Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 29, 2012

Department: Statistics

Name: Adrian Gheorghe Barbu

Professional Preparation (Highest Degree Only)

2005   Ph.D., University Of California-Los Angeles. Major: Computer Science.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA4203	Applied Regression Methods	57	100
Fall 2012	STA5126	Introduction to Applied Statistics	11	100
Fall 2012	STA5207	Applied Regression Methods	4	100
Spring 2012	STA4930	Selected Topics in Statistics, Probability or Operations Research	1	100
Spring 2012	STA5934	Selected Topics in Statistics, Probability, or Operations Research	6	100
Fall 2011	STA4203	Applied Regression Methods	32	100
Fall 2011	STA5207	Applied Regression Methods	18	100
Spring 2011	STA4930	Selected Topics in Statistics, Probability or Operations Research	2	100
Spring 2011	STA5934	Selected Topics in Statistics, Probability, or Operations Research	10	100
Fall 2010	STA4203	Applied Regression Methods	35	100
Fall 2010	STA5207	Applied Regression Methods	5	100
Spring 2010	STA4930	Selected Topics in Statistics, Probability or Operations Research	2	100
Spring 2010	STA5934	Selected Topics in Statistics, Probability, or Operations Research	9	100
Fall 2009	STA4203	Applied Regression Methods	24	100
Fall 2009	STA5207	Applied Regression Methods	9	100
Spring 2009	ISC5935	Selected Topics in Computational Science	3	100
Spring 2009	STA5934	Selected Topics in Statistics, Probability, or Operations Research	2	100
Fall 2008	STA4203	Applied Regression Methods	24	100

Fall 2008	STA5207	Applied Regression Methods	9	100
Spring 2008	ISC5935	Selected Topics in Computational Science	5	100
Spring 2008	STA5934	Selected Topics in Statistics, Probability, or Operations Research	4	100

Current Doctoral Student Supervisory Committees

Co-Chair
    Ding, Liangjing
    Lay, Nathan Stephen

Member
    Hill, Paul C
    Kurtek, Sebastian A
    Osborne, Daniel E

No doctoral students who have graduated in the last five years for whom you were supervisory committee chair.

Current Master's Student Supervisory Committees

Member
    Kropp, Steven

Master's students who have graduated in the last five years for whom you were supervisory committee chair:

    Lay, Nathan Stephen

Research and Original Creative Work for the Last Five Years

Publications

Refereed Journal Articles

Coyle, E., Roberts, R., Collins, E., & Barbu, A. (submitted). Point Cloud Interpolation for Pattern Classification Problems. *Autonomous Robots*. Manuscript submitted for publication.

Barbu, A. (submitted). Hierarchical Object Parsing from Structured Noisy Point Clouds. *IEEE Trans. on Pattern Analysis and Machine Intelligence*. Manuscript submitted for publication, 13 pages.

Zhang, K., Collins, E. G., Jr., & Barbu, A. (submitted). Efficient Stochastic Clustering Auctions for Task Allocation in Homogeneous and Heterogeneous Teams. *Autonomous Agents and Multi-Agent Systems*. Manuscript submitted for publication.

Barbu, A., & Lay, N. (2012). An Introduction to Artificial Prediction Markets for Classification.

Journal of Machine Learning Research, *13*, 2177-2204.

Barbu, A., Suehling, M., Xu, X., Liu, D., Zhou, S. K., & Comaniciu, D. (2012). Automatic Detection and Segmentation of Lymph Nodes from CT Data. *IEEE Transactions on Medical Imaging*, *31(2)*, 240-250. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6033061&tag=1

Bunea, F., Tsybakov, A., Wegkamp, M., & Barbu, A. (2010). SPADES and mixture models. *Annals of Statistics*, *38(4)*, 2525–2558. Retrieved from http://projecteuclid.org/DPubS?service=UI&version=1.0&verb=Display&handle=euclid.aos/1278861256

Barbu, A. (2009). Training an Active Random Field for Real-Time Image Denoising. *IEEE Transactions on Image Processing*, *18(11)*, 2451-2462. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5173526

Bunea, F., & Barbu, A. (2009). Dimension reduction and variable selection in case control studies via regularized likelihood optimization. *Electronic Journal of Statistics*, *3*, 1257-1287. Retrieved from http://projecteuclid.org/DPubS?service=UI&version=1.0&verb=Display&handle=euclid.ejs/1259944246

Zheng, Y., Barbu, A., Georgescu, B., Scheuering, M., & Comaniciu, D. (2008). Four-Chamber Heart Modeling and Automatic Segmentation for 3-D Cardiac CT Volumes Using Marginal Space Learning and Steerable Features. *IEEE Trans. on Medical Imaging*, *27(11)*, 1668-1681. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4601463&tag=1

Barbu, A., & Zhu, S. C. (2007). Generalizing Swendsen–Wang for Image Analysis. *J. Computational and Graphical Statistics*, *16(4)*, 877-900. Retrieved from http://www.tandfonline.com/doi/abs/10.1198/106186007X255144

Invited Book Chapters

Barbu, A. (in press). Multi-Path Marginal Space Learning for Object Detection. In Theodoridis, S, & Chelappa, R (Eds.), *E-Reference Signal Processing* (28 pages). Elsevier.

Invited Encyclopedia Entries

Barbu, A. (in press). Swendsen-Wang. In Katsushi Ikeuchi (Ed.), *Encyclopedia of Computer Vision*. Springer.

Barbu, A. (in press). Cluster Sampling (Swendsen-Wang Cut). In Katsushi Ikeuchi (Ed.), *Encyclopedia of Computer Vision*. Springer.

Refereed Proceedings

Barbu, A. (submitted). *An Efficient Feature Selection Algorithm*. Manuscript submitted for publication, 9 pages.

Barbu, A., Pavlovskaia, M., & Zhu, Song-Chun. (submitted). *Rates for Inductive Learning of Compositional Models*. Manuscript submitted for publication, 8 pages.

Ding, L., & Barbu, A. (submitted). *Learning a Quality-Based Ranking for Feature Point Trajectories*. Manuscript submitted for publication, 14 pages.

Ding, L., & Barbu, A. (submitted). *Motion Segmentation by Velocity Clustering with Estimation of Subspace Dimension*. Manuscript submitted for publication, 14 pages.

Zhang, K., Collins, E., & Barbu, A. (2012). An Efficient Stochastic Clustering Auction for Heterogeneous Robot Teams. In *IEEE Conference on Robotics and Automation (ICRA)*. IEEE. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6224588

Wu, W., Chen, T., Barbu, A., Wang, P., Strobel, N., Zhou, S. K., & Comaniciu, D. (2011). Learning-based Hypothesis Fusion for Robust Catheter Tracking in 2D X-ray Fluoroscopy. In *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)* (pp. 1097 - 1104). Colorado Springs. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5995553

Barbu, A., Suehling, M., Xu, X., Liu, D., Zhou, S. K., & Comaniciu, D. (2010). Automatic Detection and Segmentation of Axillary Lymph Nodes. In *Medical Image Computing and Computer-Assisted Intervention--MICCAI* (pp. 28-36). Springer, Beijing, China. Retrieved from http://www.springerlink.com/content/l41474725732344v/

Lay, N., & Barbu, A. (2010). Supervised Aggregation of Classifiers using Artificial Prediction Markets. In *International Conference in Machine Learning (ICML)*. Haifa, Israel. Retrieved from http://www.icml2010.org/papers/99.pdf

Zhang, K., Collins, E. G., & Barbu, A. (2010). A Novel Stochastic Clustering Auction for Task Allocation in Multi-Robot Teams. In *IEEE International Conference on Intelligent Robots and Systems (IROS)*. Taipei, Taiwan. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5652799

Barbu, A. (2009). Learning Real-Time MRF Inference for Image Denoising. In *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*. Miami, FL. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5206811&tag=1

Barbu, A., & Ionasec, R. (2009). Boosting Cross-Modality Image Registration. In *IEEE Joint Urban Remote Sensing Event (JURSE)*. Shanghai, China. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5137482

Meyer-Bäse, A., Lespinats, S., Steinbrücker, F., Saalbach, A., Schlossbauer, T., & Barbu, A. (2009). Visual exploratory analysis of DCE-MRI data in breast cancer based on novel nonlinear dimensional data reduction techniques. In *SPIE Defense and Security*. Orlando, FL. Retrieved from http://spie.org/x648.html?product_id=818296

Seifert, S., Barbu, A., Zhou, S. K., Liu, D., Feulner, J., Huber, M., Suehling, M., Cavallaro, A., & Comaniciu, D. (2009). Hierarchical parsing and semantic navigation of full body CT data. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*. Orlando, FL. Retrieved from http://spie.org/x648.html?product_id=812214

Lu, L., Barbu, A., Wolf, M., Liang, J., Bogoni, L., Salganicoff, M., & Comaniciu, D. (2008). Simultaneous detection and registration for ileo-cecal valve detection in 3D CT colonography. In *European Conference in Computer Vision (ECCV)* (pp. 465-478). Marseille, France. Retrieved from http://www.springerlink.com/content/kj4548771521gq21/

Lu, L., Barbu, A., Wolf, M., Liang, J., Salganicoff, M., & Comaniciu, D. (2008). Accurate Polyp Segmentation for 3D CT Colonography Using Multi-Staged Probabilistic Binary Learning and Compositional Model. In *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*. Anchorage, Alaska. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4587423

Socher, R., Barbu, A., & Comaniciu, D. (2008). A learning based hierarchical model for vessel segmentation. In *IEEE International Symposium on Biomedical Imaging (ISBI)* (pp. 1055-1058). Paris, France. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4541181

Zheng, Y., Georgescu, B., Barbu, A., Scheuering, M., & Comaniciu, D. (2008). Four-chamber heart modeling and automatic segmentation for 3D cardiac CT volumes. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*. San Diego, CA. Retrieved from http://spie.org/x648.html?product_id=770710

Zheng, Y., Barbu, A. G., Georgescu, B., Scheuering, M., & Comaniciu, D. (2007). Fast Automatic Heart Chamber Segmentation from 3D CT Data Using Marginal Space Learning and Steerable Features. In *IEEE International Conference on Computer Vision (ICCV)*. Tokyo, Japan. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4408925&tag=1

Presentations

<u>Invited Keynote and Plenary Presentations at Conferences</u>

Barbu, A. (presented 2012, July). *The Artificial Prediction Market*. Keynote presentation at ICML Workshop on Markets, Mechanisms and Multi-Agent Models, ICML, Edinburgh, UK. (International)

Barbu, A., & Lay, N. (presented 2010, June). *Supervised Aggregation of Classifiers using Artificial Prediction Markets*. Plenary presentation at SRCOS, Southern Regional Council on Statistics, Virginia Beach, VA. (Regional)

<u>Invited Lectures and Readings of Original Work</u>

Barbu, A. (2011, August). *Artificial Prediction Markets for Classification, Regression and Density Estimation*. Delivered at UCLA, Los Angeles, CA. (Local)

Barbu, A. (2011, August). *Hierarchical Object Parsing from Noisy Point Clouds*. Delivered at Siemens Corporate Research, Princeton, NJ. (Local)

Barbu, A. (2010, December). *Automatic Detection and Segmentation of Lymph Nodes*. Delivered at NIH, Washington, DC. (Local)

Barbu, A. (2009, November). *Supervised Aggregation using Artificial Prediction Markets*. Delivered at UCLA, Los Angeles, CA. (Local)

Barbu, A. (2009, September). *Marginal Space Learning for Fast Object Detection in Medical Imaging*. Delivered at University College, London, London, UK. (International)

Barbu, A. (2008, July). *Training an Active Random Field for Real-Time Image Denoising*. Delivered at Max Planck Institute, Saarbrucken, Germany. (Regional)

Barbu, A. (2008, June). *The Swendsen-Wang Cuts Algorithm with Applications in Computer Vision*. Delivered at Georgia Tech University, Atlanta, GA. (Local)

Barbu, A. (2008, May). *Active Random Fields for Real-Time Image Denoising*. Delivered at Siemens Corporate Research, Princeton, NJ. (Local)

Inventions

Patented Inventions

Barbu, A., Suehling, M., Xu, X., Liu, D., Zhou, S. K., & Comaniciu, D. (submitted). *Method and System for Automatic Detection and Segmentation of Axillary Lymph Nodes*. Siemens.

Seifert, S., Barbu, A., Zhou, S. K., Liu, D., Feulner, J., Huber, M., Suehling, M., Cavallaro, A., & Comaniciu, D. (submitted). *Method and System for Hierarchical Parsing and Semantic Navigation of Full Body Computed Tomography Data*. Siemens.

Barbu, A. G. (submitted). *Systems and Methods for Training an Active Random Field for Real-Time Image Denoising*. 20100020208, FSU.

Lu, L., Barbu, A., Wolf, M., Lakare, S., Bogoni, L., Salganicoff, M., & Comaniciu, D. (2012). *Method and System for Polyp Segmentation for 3D Computed Tomography Colonography*. 8,184,888, Siemens Corporate Research.

Lu, L., Barbu, A., Wolf, M., Lakare, S., Bogoni, L., Salganicoff, M., & Comaniciu, D. (2012). *User Interface for Polyp Annotation, Segmentation and Measurement in 3D Computed Tomography Colonography*. 8,126,244, Siemens Corporate Research.

Socher, R., Barbu, A., Georgescu, B., Zhang, W., Durlak, P., Bohm, S., & Comaniciu, D. (2012). *Method and system for vessel segmentation in fluoroscopic images*. 8,121,367, Siemens.

Zhu, Y., Zhang, W., Barbu, A., Prummer, S., Ostermeier, M., Reddy, C., & Comaniciu, D. (2012). *System and Method for Coronary Digital Subtraction Angiography*. 8,094,903, Siemens.

Zhang, W., Barbu, A., Prummer, S., Ostermeier, M., & Comaniciu, D. (2011). *Method and System for Evaluating Image Segmentation Based on Visibility*. 8,086,006, Siemens.

Barbu, A., Athitsos, V., Georgescu, B., Durlak, P., & Comaniciu, D. (2011). *System and Method for Online Optimization of Guidewire Visibility in Fluoroscopic Systems*. 8,050,482, Siemens.

Barbu, A., Lu, L., Bogoni, L., Salganicoff, M., & Comaniciu, D. (2011). *Method and System for Detection and Registration of 3D Objects Using Incremental Parameter Learning*. 8,068,654, Siemens Corporate Research.

Barbu, A., Zheng, Y., Yang, J., Georgescu, B., & Comaniciu, D. (2011). *System and Method for Detecting an Object in a High Dimensional Space*. 8,009,900, Siemens.

Georgescu, B., Durlak, P., Athitsos, V., Barbu, A., & Comaniciu, D. (2011). *System and Method for Simultaneously Subsampling Fluoroscopic Images and Enhancing Guidewire Visibility*. 7,970,191, Siemens.

Zhang, W., Barbu, A., Prummer, S., Ostermeier, M., Reddy, C., & Comaniciu, D. (2011). *System and Method for Coronary Digital Subtraction Angiography*. 7,940,971, Siemens.

Zheng, Y., Barbu, A., Georgescu, B., Scheuering, M., & Comaniciu, D. (2011). *System and Method for Segmenting Chambers of a Heart in a Three Dimensional Image*. 7,916,919, Siemens.

Zhou, S. K., Shao, J., Dowdall, J., Barbu, A., Georgescu, B., & Comaniciu, D. (2010). *System and method for using a similarity function to perform appearance matching in image pairs*. 7,831,074, Siemens.

Barbu, A., Athitsos, V., Georgescu, B., Durlak, P., Boehm, S., & Comaniciu, D. (2010). *System and Method for Detecting and Tracking a Guidewire In A Fluoroscopic Image Sequence*. 7,792,342, Siemens.

Barbu, A., Bogoni, L., & Comaniciu, D. (2010). *System and Method For Detecting A Three Dimensional Flexible Tube In An Object*. 7,783,097, Siemens.

Tu, Z., & Barbu, A. (2010). *Probabilistic Boosting Tree Framework for Learning Discriminative Models*. 7,702,596, Siemens.

Tu, Z., Zhou, X., Comaniciu, D., Bogoni, L., & Barbu, A. (2009). *System and Method for Using Learned Discriminative Models to Segment Three dimensional Colon Image Data*. 7,583,831, Siemens.

Tu, Z., Barbu, A. G., & Comaniciu, D. (2009). *Method for Detecting Polyps in a Three Dimensional Image Volume*. 7,558,413, Siemens.

Contracts and Grants

Contracts and Grants Funded

Barbu, A. G. (Aug 2011–Jan 2013). *SEE on a Unified Foundation for Representation, Inference and Learning*. Funded by DARPA. Total award $131,485.

Barbu, Adrian G. (PI). (Oct 2009–Sep 2010). *Cooperative Systems: Task Allocation for Heterogeneous A*. Funded by Florida A&M University. Total award $15,269.

Srivastava, Anuj (PI), Klassen, E. P., & Barbu, A. G. (Sep 2009–Aug 2012). *MCS: Research on Detection and Classification of 2D and and 3D Shapes in Cluttered Point Clouds*. Funded by National Science Foundation. Total award $400,000.

Barbu, Adrian G (PI). (Aug 2009–Apr 2010). *Landmark Detection Using Discriminative Anatomical Network and Active Random Fields*. Funded by Siemens Corporate Research. Total award $30,934.

Srivastava, Anuj (PI), & Barbu, A. G. (Apr 2009–Mar 2012). *Statistical and Semantic Approaches for Object, Activity and Intent Recognition*. Funded by University of Maryland College Park. Total award $317,084.

Barbu, A. G. (May 2008–Aug 2008). *Robust Classification Using Marginal Space Fusion*. Funded by FSU. Total award $16,000.

Contracts and Grants Pending

Barbu, A. G. (Jul 2012). *CAREER: Penalized Loss Functions for Object Detection*. Submitted to National Science Foundation.

Service for the Last Five Years

Florida State University

FSU University Service

Alternate Representative, Faculty Senate (2010–2012).

FSU Department Service

Chair, Computer Systems and Acquisitions (2011–2013).

Member, Admissions (2011–2013).

Member, Academic Affairs (2008–2010).

Secretary, Faculty Meetings (2007–present).

Organizer, Fall Picnic (2007–present).

The Profession

Guest Reviewer for Refereed Journals

Computer Methods and Programs in Biomedicine (2012–present).

Machine Vision and Applications (2012–present).

IEEE Transactions on Systems, Man, and Cybernetics, Part B (2012–present).

Medical Image Analysis (2011–present).

Computerized Medical Imaging and Graphics (2011–present).

Computer Vision and Image Understanding (2011–present).

IEEE Transactions on Information Technology in BioMedicine (2011–present).

Journal of the American Statistical Association (2010–present).

IEEE Transactions on Image Processing (2009–present).

Journal of Visual Communication and Image Representation (2009–present).

IEEE Transactions on Medical Imaging (2009–present).

Electronic Journal of Statistics (2008–present).

Statistica Sinica (2007–present).

Pattern Recognition (2007–present).

Journal of Computational And Graphical Statistics (2007–present).

IEEE Transactions on Pattern Analysis and Machine Intelligence (2007–present).

Reviewer or Panelist for Grant Applications

National Science Foundation (2007–present).

Service to the Community

Judge, Leon County Science Fair (2011–2012).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: September 04, 2012

Department: Statistics

Name: Jinfeng Zhang

Professional Preparation (Highest Degree Only)

2004   Doctor of Philosophy, University Of Illinois At Chicago. Major: Bioengineering.
          Bioinformatics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA4321	Introduction to Mathematical Statistics	44	100
Fall 2012	STA5176	Statistical Modeling with Application to Biology	7	100
Fall 2012	STA5323	Introduction to Mathematical Statistics	1	100
Spring 2012	STA4442	Introductory Probability I	33	100
Spring 2012	STA5440	Introductory Probability I	8	100
Fall 2011	STA5176	Statistical Modeling with Application to Biology	7	100
Spring 2011	STA5172	Fundamentals of Biostatistics	13	100
Spring 2011	STA5920	Statistics Colloquium	1	100
Fall 2010	STA5920	Statistics Colloquium	1	100
Fall 2010	STA5934	Selected Topics in Statistics, Probability, or Operations Research	11	100
Spring 2010	STA5176	Statistical Modeling with Application to Biology	9	100
Fall 2009	STA5172	Statistics for Epidemiology	4	100
Fall 2009	STA5920	Statistics Colloquium	1	100
Spring 2009	STA5176	Statistical Modeling with Application to Biology	6	100
Fall 2008	STA5172	Statistics for Epidemiology	23	60
Spring 2008	STA4321	Introduction to Mathematical Statistics	33	100
Spring 2008	STA5323	Introduction to Mathematical Statistics	4	100

Current Doctoral Student Supervisory Committees

Chair

    Wang, Jian
    Silva, Ben
    Shao, Jiang

Co-Chair

    Kim, Ester
    Laborde, Jose M.
    Li, Yue
    Wang, Jian

Member

    Girimurugan, Senthil Balaji
    Hillebrandt, Kathryn M.
    McGinnity, Kelly
    Ryba, Tyrone R.
    Su, Jingyong
    Xie, Qian

University Representative

    Vera, Daniel Luis

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

    Bell, Lindsey R. (Cochair)
    Liu, Wei (Cochair)
    Wu, Sutan (Cochair)
    Bell, Lindsey R.

Current Master's Student Supervisory Committees

Chair

    Kropp, Steven
    Shao, Jiang

No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Publications

Refereed Journal Articles

Chowdhary, R., Zhang, J., Tan, S., Osborne, D., Bajic, V., & Liu, J. (in press). PIMiner: a web tool for extraction of protein interactions from biomedical literature. *International Journal of Data Mining and Bioinformatics*.

Balaji, S., Mcclendon, C., Chowdhary, R., Liu, J., & Zhang, J. (2012). IMID: Integrated molecular interaction database. *Bioinformatics*, *28(5)*, 747-749.

Chowdhary, R., Tan, S., Zhang, J., Bajic, V., & Liu, J. (2012). Context-specific Protein Network Miner - an online system for exploring context-specific protein interaction networks from the literature. *PLoS One*, *7(4)*, e34480.

Ellingson, L., & Zhang, J. (2012). Protein Surface Matching by Combining Local and Global Geometric Information. *PLoS ONE*, *7(7)*, e40540. doi:10.1371/journal.pone.0040540

Zhao, T., Bell, L., Horner, M., Sulik, J., & Zhang, J. (2012). Consumer Responses towards Home Energy Financial Incentives: A Survey-Based Study. *Energy policy*, *47*, 291-297.

Bell, L., Chowdhary, R., Liu, J., Niu, X., & Zhang, J. (2011). Integrated bio-entity network: a system for biological knowledge discovery. *PLoS ONE*, *6*, e21474. Retrieved from http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0021474 doi:10.1371/journal.pone.0021474.

Cheng, Z., Zhang, J., Ballou, D., & Williams, C. (2011). Reactivity of thioredoxin as a protein thiol-disulfide oxidoreductase. *Chemical Review*, *111(9)*, 5768-5783.

Liu, W., Srivastava, A., & Zhang, J. (2011). A mathematical framework for protein structure comparison. *PLoS Computational Biology*, *7*, e1001075. Retrieved from http://www.ploscompbiol.org/article/info:doi/10.1371/journal.pcbi.1001075 doi:10.1371/journal.pcbi.1001075

Ryba, T., Hiratani, I., Battaglia, D., Sulik, M., Zhang, J., Dalton, S., & Gilbert, D. (2011). Replication timing: a fingerprint for cell identity and pluripotency. *PLoS Computational Biology*, *7(10)*, e1002225.

Ryba, T., Hiratani, I., Lu, J., Itoh, M., Kulik, M., Zhang, J., Dalton, S., & Gilbert, D. (2010). Evolutionarily conserved replication timing profiles distinguish closely related cell types and predict long range chromatin interactions. *Genome Research*, *20*, 761-70.

Chowdhary, R., Zhang, J., & Liu, J. (2009). Bayesian Inference of Protein-protein Interactions from Biological Literature. *Bioinformatics*, *25*, 1536-1542. Retrieved from http://www.stat.fsu.edu/~jinfeng/publication/TM_BioI09.pdf

Zhang, J., Kou, S., & Liu, J. (2007). Biopolymer structure simulation and optimization via fragment regrowth Monte Carlo. *Journal of Chemical Physics*, *126*, 225101. Retrieved from http://www.stat.fsu.edu/~jinfeng/publication/FRESS_JCP2007.pdf

Zhang, J., Lin, M., Chen, R., Liang, J., & Liu, J. (2007). Monte Carlo sampling of near-native structures of proteins and applications. *Proteins*, *66*, 61-68. Retrieved from http://www.stat.fsu.edu/~jinfeng/publication/Paper_NNS_JZhang.pdf

Invited Book Chapters

Liang, J., Kachalo, S., Li, X., Ouyang, Z., Tseng, Y., & Zhang, J. (2009). Geometric structures of proteins for understanding folding, discriminating natives and predicting biochemical functions. In Rien van de Weygaert (Ed.), *The World Is a Jigsaw*. Springer.

Refereed Proceedings

Karnik, S., Tan, S., Berg, B., Glurich, I., Vidaillet, H., Page, C., Zhang, J., & Chowdhary, R. (in press). Predicting Atrial Fibrillation and Flutter using Electronic Health Records. In *IEEE-EMBS*. San Diego.

Zhang, C., Chowdhary, R., & Zhang, J. (in press). Biological pathway discovery through text mining and data integration. In *IEEE-EMBS*. San Diego.

Bell, L., Zhang, J., & Niu, X. (2011). Mixture of logistic models and an ensemble approach for extracting protein-protein interactions. In *ACM-BCB* (pp. 371-375). Chicago.

Ellingson, L., & Zhang, J. (2011). An efficient algorithm for matching protein binding sites for protein function prediction. In *ACM-BCB* (pp. 289-293). Chicago.

Li, Y., Tyson, G., & Zhang, J. (2010). Effect of sequences on the shape of protein energy landscapes. In *ACM-BCB* (pp. 35-42). Buffalo.

Liu, W., Srivastava, A., & Zhang, J. (2010). Protein structure alignment using elastic shape analysis. In *ACM-BCB* (pp. 62-70). Buffalo.

Presentations

Refereed Papers at Conferences

Bell, L., Zhang, J., & Niu, X. (presented 2011, August). *An ensemble approach for extracting protein-protein interaction information from literature*. Paper presented at ACM-BCB, ACM, Chicago. (International)

Bartz, K., Wong, S., Kou, S., Liu, J., & Zhang, J. (presented 2009, February). *FRESS: an Efficient Monte Carlo Method for Biopolymer Structure Simulation*. Paper presented at BPS annual conference, Biophysical society. (International)

Invited Lectures and Readings of Original Work

Zhang, J. (2011, November). *Integrated bio-entity network and its applications in automatic*

knowledge discovery. Delivered at School of medicine, FSU. (Local)

Zhang, J. (2011, October). *Elastic shape analysis for protein structure comparison*. Delivered at Institute of molecular biophysics, FSU. (Local)

Zhang, J. (2011, September). *A mathematical framework for protein structure comparison*. Delivered at University of Georgia, Department of Biochemistry and Molecular Biology. (Regional)

Zhang, J. (2011, August). *A mathematical framework for protein structure comparison*. Delivered at Department of Bioengineering, UIC. (Regional)

Zhang, J. (2009, July). *Automatic extraction of protein-protein interaction information from literature*. Delivered at Harbin Institute of Technology. (International)

Zhang, J. (2009, March). *Novel Monte Carlo method for protein structure analysis*. Delivered at Department of Statistics, UF. (Regional)

Inventions

Patented Inventions

Zhang, J. (submitted). *AUTOMATED EXTRACTION OF BIO-ENTITY RELATIONSHIPS FROM LITERATURE*.

Contracts and Grants

Contracts and Grants Funded

Zhang, J., & Srivastava, A. (Jul 2012–May 2014). *Elastic shape analysis for protein structure comparison*. Funded by NIH. Total award $381,206.

Dennis, J., & Zhang, J. (Apr 2012–Mar 2017). *Chromatin structural changes linking drugs of abuse with HIV reactivation*. Funded by NIH. Total award $1,769,229.

Service for the Last Five Years

The Profession

Chair of a Symposium

Zhang, J., & Chowdhary, R. (Chair). (2012, August). *System modeling and integrative approaches for therapeutics and medical decision making*. Symposium conducted at the

meeting of IEEE-EMBS, San Diego.

Reviewer or Panelist for Grant Applications

NSF (2011–present).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 28, 2012

Department: Department of Statistics

Name: Wei Wu

Professional Preparation (Highest Degree Only)

2004   Doctor of Philosophy, Brown University, Providence, RI. Major: Applied Mathematics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA4102	Computational Methods in Statistics I	3	100
Fall 2012	STA5106	Computational Methods in Statistics I	28	100
Spring 2012	STA4103	Computational Methods in Statistics II	1	100
Spring 2012	STA4853	Time Series and Forecasting Methods	15	100
Spring 2012	STA5107	Computational Methods in Statistics II	22	100
Spring 2012	STA5856	Time Series and Forecasting Methods	30	100
Fall 2011	STA4102	Computational Methods in Statistics I	11	100
Fall 2011	STA5106	Computational Methods in Statistics I	28	100
Spring 2011	STA5107	Computational Methods in Statistics II	20	100
Fall 2010	STA4102	Computational Methods in Statistics I	1	100
Fall 2010	STA5106	Computational Methods in Statistics I	25	100
Spring 2010	STA4853	Time Series and Forecasting Methods	16	100
Spring 2010	STA5856	Time Series and Forecasting Methods	5	100
Fall 2009	STA3032	Applied Statistics for Engineers and Scientists	31	100
Spring 2009	STA4853	Time Series and Forecasting Methods	24	100
Spring 2009	STA5856	Time Series and Forecasting Methods	19	100
Fall 2008	STA6246	Advanced Topics in Applied Statistics	6	100
Summer 2008	STA2171	Statistics For Biology	18	100
Spring 2008	STA4853	Time Series and Forecasting Methods	20	100
Spring 2008	STA5856	Time Series and Forecasting Methods	11	100
Spring 2008	STA5920	Statistics Colloquium	1	100

Current Doctoral Student Supervisory Committees

Co-Chair
    Rosenthal, Michael
    Tucker, James D.

University Representative
    Chen, Peng

Member
    Becvarik, Rachel Ann
    Chung, Steve Sang
    Daou, Arij H
    Elliott, Kevin
    Stafford, Pete
    Wang, Kan
    Basista, Mark
    Bryner, Darshan
    Mtoi, Enock
    Huang, Xue

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

    Lawhern, Vernon J

Current Master's Student Supervisory Committees

No current master's student committees. No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Publications

Refereed Journal Articles

Kurtek, S., Wu, W., Christensen, G., & Srivastava, A. (submitted). Segmentation, alignment and statistical analysis of biosignals with application to disease classification. *Journal of Applied Statistics*. Manuscript submitted for publication.

Srivastava, A., Wu, W., Kurtek, S., Klassen, E., & Marron, J. S. (submitted). Registration of functional data using Fisher-Rao metric. *Journal of Royal Statistical Society*. Manuscript submitted for publication.

Tucker, J. D., Wu, W., & Srivatava, A. (submitted). Generative models for function data using phase and amplitude separation. *Computational Statistics and Data Analysis*. Manuscript submitted for publication.

Wu, W., & Srivastava, A. (submitted). Estimating summary statistics in the spike-train space. *Journal of Computational Neuroscience*. Manuscript submitted for publication.

Wu, W., Tucker, J. D., & Srivastava, A. (submitted). Analysis of signals under compositional noise with applications to SONAR data. *IEEE Transactions on Signal Processing*. Manuscript submitted for publication.

Daou, A., Johnson, F., Wu, W., & Bertram, R. (2012). A computational tool for automated large-scale analysis and measurement of bird-song syntax. *Journal of Neuroscience Methods*, *210 (2)*, 147-160.

Lawhern, V., Hatsopoulos, N. G., & Wu, W. (2012). Coupling time decoding and trajectory decoding using a target-included model in the motor cortex. *Neurocomputing*, *82*, 117-126.

Lawhern, V., Wu, W., Nikonov, A. A., & Contreras, R. J. (2011). Spike rate and spike timing contributions to coding taste quality information in rat periphery. *Frontiers in Integrative Neuroscience*, *5*, 1-14.

Wu, W., & Srivastava, A. (2011). An information-geometric framework for statistical inferences in the neural spike train space. *Journal of Computational Neuroscience*, 24.

Wu, W., & Srivastava, A. (2011). Towards statistical summaries of spike train data. *Journal of Neuroscience Methods*, *195 (2)*, 107-110.

Thompson, J. A., Basista, M., Wu, W., Bertram, R., & Johnson, F. (2011). Dual pre-motor contribution to songbird syllable variation. *Journal of Neuroscience*, *31 (1)*, 322-330.

Paninski, L., Ahmadian, Y., Ferreira, D., Koyama, S., Rahnama Rad, K., Vidne, M., Vogelstein, J., & Wu, W. (2010). A new look at state-space models for neural data. *Journal of Computational Neuroscience*, *29*, 107-126.

Lawhern, V., Wu, W., Hatsopoulos, N. G., & Paninski, L. (2010). Population decoding of motor cortical activity using a genralized linear model with hidden states. *Journal of Neuroscience Methods*, *189 (2)*, 267-280.

Wu, W., Kulkarni, J. E., Hatsopoulos, N. G., & Paninski, L. (2009). Neural decoding of hand motion using a linear state-space model with hidden states. *IEEE Transactions on Neural Systems and Rehabilitation*, *17 (4)*, 370-378.

Wu, W., Thompson, J. A., Bertram, R., & Johnson, F. (2008). A statistical method for quantifying songbird phonology and syntax. *Journal of Neuroscience Methods*, *174 (1)*,

147-154.

Wu, W., & Hatsopoulos, N. (2008). Real-time decoding of non-stationary neural activity in motor cortex. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, *16 (3)*, 213-222.

Thompson, J. A., Wu, W., Bertram, R., & Johnson, F. (2007). Auditory-dependent vocal recovery in adult male zebra finches is facilitated by lesion of a forebrain pathway that includes the basal ganglia. *Journal of Neuroscience*, *27 (45)*, 12308-12320.

Refereed Proceedings

Wu, W., & Srivastava, A. (in press). Estimation of a mean template from spike-train data. In *The 34th Annual International Conference of the IEEE EMBS*. San Diego, CA.

Kurtek, S., Srivastava, A., & Wu, W. (2011). Signal estimation under random time-warpings and nonlinear signal alignment. In *Advances in Neural Information Processing Systems*. Granada, Spain.

Wu, W., & Hatsopoulos, N. (2008). Target-included model and hybrid decoding of stereotyped hand movement. In *The second IEEE RAS / EMBS International Conference on Biomedical Robotics and Biomechatronics*. Scottsdale, AZ.

Refereed Summaries

Srivastava, A., Wu, W., Kurtek, S., Klassen, E., & Marron, J. S. (2012). Summary of *Registration of functional data using Fisher-Rao metric*. Joint Statistical Meetings (JSM), San Diego, CA.

Basista, M. J., Wu, W., Bertram, R., & Johnson, F. (2011). Summary of *Spatially-organized neural activity underlies a temporally-organized behavior*. Society for Neuroscience (SfN) 41st Annual Meeting, Washington, DC.

Daou, A., Wu, W., Johnson, F., & Bertram, R. (2011). Summary of *A computational tool for automated large-scale analysis and measurement of birdsong syntax*. Society for Neuroscience (SfN) 41st Annual Meeting, Washington, DC.

Wu, W., & Srivastava, A. (2011). Summary of *Statistical variability in the function space of spike trains*. Society for Neuroscience (SfN) 41st Annual Meeting, Washington, DC.

Daou, A., Johnson, F., Wu, W., & Bertram, R. (2010). Summary of *Computational model of microcircuit dynamics underlying bird song in the zebra finch*. Society for Neuroscience (SfN) 40th Annual Meeting, San Diego, CA.

Lawhern, V., Hatsopoulos, N. G., & Wu, W. (2010). Summary of *Coupling time decoding and trajectory decoding using a target-included model in the motor cortex*. Society for Neuroscience (SfN) 40th Annual Meeting, San Diego, CA.

Nikonov, A. A., Lawhern, V., Wu, W., & Contreras, R. J. (2010). Summary of *Decoding spike train responses by chemosensory neurons from analysis of temporal patterns in the rat geniculate ganglion*. Society for Neuroscience (SfN) 40th Annual Meeting, San Diego, CA.

Wu, W., & Srivastava, A. (2010). Summary of *A family of information-geometric metrics for a statistical analysis of spike trains*. Society for Neuroscience (SfN) 40th Annual Meeting, San Diego, CA.

Wu, W., & Srivastava, A. (2010). Summary of *A family of information-geometric metrics for a statistical analysis of spike trains*. CNS-2010, Workshop on Computational Models for Movement Control and Adaptation during BMI Operation, San Antonio, TX.

Lawhern, V., Hatsopoulos, N. G., & Wu, W. (2010). Summary of *Coupling time decoding and trajectory decoding using a target-included model in the motor cortex*. 5th International Workshop Statistical Analysis of Neuronal Data (SAND5), Pittsburgh, PA.

Wu, W., & Srivastava, A. (2010). Summary of *A family of information-geometric metrics for a statistical analysis of spike trains*. 5th International Workshop Statistical Analysis of Neuronal Data (SAND5), Pittsburgh, PA.

Wu, W., Lawhern, V., & Hatsopoulos, N. G. (2010). Summary of *Coupling time decoding and trajectory decoding with a target-included model in the motor cortex*. The 20th NCM Annual Conference, Naples, FL.

Lawhern, V., Wu, W., Hatsopoulos, N. G., & Paninski, L. (2010). Summary of *Motor cortical decoding using hidden state models*. ENAR 2010 Spring Meetings, New Orleans, LA.

Lawhern, V., & Wu, W. (2010). Summary of *Target-included decoding in the motor cortex*. ASA Florida Chapter Meeting, Tallahassee, FL.

Lawhern, V., Wu, W., Hatsopoulos, N. G., & Paninski, L. (2009). Summary of *Population neuronal decoding using a generalized linear model with hidden states*. Society for Neuroscience (SfN) 39th Annual Meeting, Chicago, IL.

Nikonov, A. A., Lawhern, V., Wu, W., & Contreras, R. J. (2009). Summary of *Decoding spike train responses by chemosensory neurons from analysis of spike count and temporal patterns in the rat geniculate ganglion*. Society for Neuroscience (SfN) 39th Annual Meeting, Chicago, IL.

Lawhern, V., & Wu, W. (2009). Summary of *Including hidden states in generalized linear models, with applications to motor cortical decoding*. ASA Florida Chapter Meeting,

Orlando, FL.

Wu, W., Thompson, J. A., Bertram, R., & Johnson, F. (2008). Summary of *Detailed phonological analysis of songbird vocal behavior following ablation of a striatal/pre-motor pathway*. Society for Neuroscience (SfN) 38th Annual Meeting, Washington, DC.

Wu, W. (2008). Summary of *Reconstructing stereotyped movement by coupling trajectory decoding and landmark-time decoding in the motor cortex*. 4th International Workshop Statistical Analysis of Neuronal Data (SAND4), Pittsburgh, PA.

Wu, W., Hatsopoulos, N. G., & Paninski, L. (2008). Summary of *Neural decoding of hand motion by a linear state-space model with hidden states*. ASA Florida Chapter Meeting, Gainesville, FL.

Wu, W., Kulkarni, J. E., Hatsopoulos, N. G., & Paninski, L. (2008). Summary of *Neural decoding of goal-directed movements using a linear state-space model with hidden states*. Computational and Systems Neuroscience (COSYNE), Salt Lake City, UT.

Wu, W., Bertram, R., Thompson, J. A., & Johnson, F. (2008). Summary of *A statistical method for quantifying songbird phonology and syntax using automated measurement of syllable acoustic features*. Acoustical Society of America Florida Chapter Meeting, Tallahassee, FL.

Thompson, J. A., Wu, W., Bertram, R., & Johnson, F. (2007). Summary of *Auditory-dependent song recovery in adult male zebra finches is facilitated by lesion of a basal-ganglia forebrain vocal circuit*. Society for Neuroscience (SfN) 37th Annual Meeting, San Deigo, CA.

Wu, W., Bertram, R., Thompson, J. A., & Johnson, F. (2007). Summary of *A new method for quantifying vocal change in songbirds*. Society for Neuroscience (SfN) 37th Annual Meeting, San Deigo, CA.

Wu, W. (2007). Summary of *Real-time decoding of non-stationary motor cortical activity*. Joint Statistical Meetings, Salt Lake City, Utah.

Presentations

Invited Papers at Conferences

Wu, W., & Srivastava, A. (accepted). *Estimation of a mean template from spike-train data*. Paper to be presented at The 34th Annual International Conference of the IEEE EMBS, EMBS, San DIego, CA. (International)

Wu, W. (presented 2012, July). *Registration of functional data using Fisher-Rao metric*. Paper

presented at Joint Statistical Meetings, ASA, IMS, San Diego, CA. (International)

Wu, W. (presented 2011, November). *Statistical variability in the function space of spike trains*. Paper presented at SfN 41st Annual Meeting, Society for Neuroscience, Washington, DC. (International)

Invited Presentations at Conferences

Wu, W. (presented 2010, July). *A family of information-geometric metrics for a statistical analysis of spike trains*. Presentation at CNS-2010, Workshop on Computational Models for Movement Control and Adaptation during BMI Operation, OCNS, San Antonio, TX. (International)

Wu, W. (presented 2010, March). *Motor cortical decoding using hidden state models*. Presentation at ENAR 2010 Spring Meetings, ENAR, New Orleans, LA. (International)

Wu, W. (presented 2007, August). *Real-time decoding of non-stationary motor cortical activity*. Presentation at Joint Statistical Meetings, JSM, Salt Lake City, UT. (International)

Refereed Presentations at Conferences

Wu, W. (presented 2010, November). *A family of information-geometric metrics for a statistical analysis of spike trains*. Poster presentation at SfN 40th Annual Meeting, Society for Neuroscience, San Diego, CA. (International)

Wu, W. (presented 2010, May). *A family of information-geometric metrics for a statistical analysis of spike trains*. Poster presentation at The 5th SAND International Workshop, CMU, Pittsburgh, PA. (International)

Wu, W. (presented 2010, April). *Coupling time decoding and trajectory decoding with a target-included model in the motor cortex*. Presentation at The 20th NCM Annual Conference, SNCM, Naples, FL. (International)

Wu, W. (presented 2009, October). *Population neuronal decoding using a generalized linear model with hidden states*. Poster presentation at SfN 39th Annual Meeting, SFN, Chicago, IL. (International)

Wu, W. (presented 2008, November). *Detailed phonological analysis of songbird vocal behavior following ablation of a striatal/pre-motor pathway*. Poster presentation at SfN 38th Annual Meeting, SFN, Washington, DC. (International)

Wu, W. (presented 2008, October). *Target-included model and hybrid decoding of stereotyped hand movement in the motor cortex*. Presentation at 2nd International Conference on BioRob, BioRob, Scottsdale, AZ. (International)

Wu, W. (presented 2008, May). *Reconstructing stereotyped movement by coupling trajectory decoding and landmark-time decoding in the motor cortex*. Presentation at 4th International Workshop SAND4, CMU, Pittsburgh, PA. (International)

Wu, W. (presented 2008, February). *Neural decoding of goal-directed movements using a linear state-space model with hidden states*. Poster presentation at COSYNE 5th Annual Meeting, COSYNE, Salt Lake City, UT. (International)

Wu, W. (presented 2008, February). *Neural decoding of hand motion by a linear state-space model with hidden states*. Presentation at ASA Florida Chapter Meeting, ASA, Gainesville, FL. (Regional)

Wu, W. (presented 2007, November). *A new method for quantifying vocal change in songbird*. Poster presentation at SfN 37th Annual Meeting, SFN, San Deigo, CA. (International)

Invited Lectures and Readings of Original Work

Wu, W. (2010, November). *Towards summary statistics in the function space of neural spike trains*. Delivered at Dept. of Mathematics and Statistics, Georgia State University, Atlanta, GA. (Local)

Wu, W. (2010, May). *Mathematical modeling of neural systems and its application to brain-machine interfaces*. Delivered at Department of Mathematics, Univ. of Science & Technology of China, Hefei, China. (Local)

Wu, W. (2009, April). *Motor cortical decoding using improved state-space models*. Delivered at The 50th Anniversary Celebration of FSU Department of Statistics, Tallahassee, FL. (Local)

Wu, W. (2008, March). *Statistical models in neural motor prosthetics*. Delivered at Program in Neruoscience, Florida State University, Tallahassee, FL. (Local)

Contracts and Grants

Contracts and Grants Funded

Srivastava, Anuj (PI), & Wu, Wei (Co-PI). (Jul 2012–Jun 2015). *A new paradigm in registration, matching, and alignment problems in functional data*. Funded by NSF. Total award $250,000.

Johnson, James F. (PI), Bertram, Richard (Co-PI), Hyson, Rick (Co-PI), & Wu, Wei (Co-PI). (Mar 2012–Feb 2014). *Spatial organization of a neural network for serial-order behavior*. Funded by NSF. Total award $350,000.

Wu, Wei (PI). (Sep 2009–Aug 2012). *RI-Small: Statistical Decoding Models to Improve the performance of motor cortical brain-machine interfaces*. Funded by National Science Foundation. Total award $135,592.

Johnson, James F (PI), Bertram, Richard (PI), & Wu, Wei (PI). (May 2009–Apr 2011). *Cell Survival in a Neural Circuit for Learning*. Funded by National Institute on Deafness. Total award $573,586.

Wu, Wei (PI). (May 2009–Aug 2009). *Neural decoding of hand motion using state-space models with hidden states*. Funded by FSU COFRS Award. Total award $14,000.

Wu, Wei (PI). (Dec 2007–Nov 2008). *Motor cortical decoding of target-directed hand motion*. Funded by FSU Planning Grant. Total award $12,000.

Wu, Wei (PI). (May 2007–Aug 2007). *Real-time adaptive decoding in motor cortex*. Funded by FSU FYAP Award. Total award $16,000.

Service for the Last Five Years

Florida State University

FSU Department Service

Graduate Director, Department of Statistics (2012–present).

Member, Graduate Student Admission Committee (2011–present).

Member, Academic Affairs Committee (2011–present).

Departmental Librarian, Department of Statistics (2009–present).

Colloquium Director, Department of Statistics (2007–2009).

The Profession

Editorial Board Membership(s)

ISRN Biomathematics (2011–present).

<u>Guest Reviewer for Refereed Journals</u>

BioMedical Engineering OnLine (2012–present).

BMC Medical Research Methodology (2012–present).

Statistics in Medicine (2012–present).

Journal of Applied Statistics (2012–present).

PLoS Computational Biology (2012–present).

Cerebral Cortex (2011–present).

Biophysical Journal (2011–present).

Public Library of Science (PLoS) ONE (2010–present).

Journal of Zhejiang University-Science B (2009–present).

Computation Intelligence and Neuroscience (2008–present).

Journal of the American Statistical Association (JASA) (2008–present).

Annals of Applied Statistics (2008–present).

IEEE Transactions on Systems, Man, and Cybernetics (2007–present).

IEEE Transactions on Neural Networks (2007–present).

IEEE Transactions on Neural Systems and Rehabilitation Engineering (2006–present).

IEEE Transactions on Biomedical Engineering (2006–present).

Neural Computation (2005–present).

EURASIP Journal on Applied Signal Processing (2004–present).

Journal of Neurophysiology (2004–present).

EURASIP Journal on Advances in Signal Processing (2004–present).

<u>Reviewer or Panelist for Grant Applications</u>

National Science Foundation (2009–present).

National Institutes of Health (2009–present).

European Science Foundation (2005–present).

Additional Service Not Reported Elsewhere

Wu, W. (2011). Guest Reviewer for Annual Conferences of IEEE Engineering in Medicine and Biology Society (2009, 2011).

Wu, W. (2010). Organizer for the session "Statistical Methods in Neuroscience" in the ENAR 2010 Spring Meetings.

Wu, W. (2010). Guest Reviewer for Advances in Neural Information Processing Systems Conferences (2007, 2009, 2010).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 21, 2012

Department: Statistics

Name: Anuj Srivastava

Professional Preparation (Highest Degree Only)

1996   D.Sc., Washington University, St. Louis, MO. Major: Engineering, Electrical.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2011	STA4442	Introductory Probability I	27	100
Fall 2011	STA5440	Introductory Probability I	4	100
Fall 2011	STA5934	Selected Topics in Statistics, Probability, or Operations Research	7	100
Spring 2011	STA4442	Introductory Probability I	37	100
Spring 2011	STA5440	Introductory Probability I	10	100
Spring 2011	STA5934	Selected Topics in Statistics, Probability, or Operations Research	13	100
Spring 2010	STA4103	Computational Methods in Statistics II	1	100
Spring 2010	STA5107	Computational Methods in Statistics II	25	100
Fall 2009	STA4102	Computational Methods in Statistics I	4	100
Fall 2009	STA5106	Computational Methods in Statistics I	28	100
Spring 2009	STA4103	Computational Methods in Statistics II	1	100
Spring 2009	STA5107	Computational Methods in Statistics II	25	100
Spring 2009	STA6468	Advanced Topics in Probability and Statistics	7	100
Fall 2008	STA4102	Computational Methods in Statistics I	1	100
Fall 2008	STA5106	Computational Methods in Statistics I	30	100

Current Doctoral Student Supervisory Committees

Chair

 Bryner, Darshan William
 Kurtek, Sebastian A.
 Rosenthal, Michael M.
 Su, Jingyong
 Xie, Qian
 Henning, Wade
 Zhang, Zhengwu
 Tucker, Derek
 Joshi, Shantanu

Co-Chair

 Laborde, Jose M.

Member

 Bain, Rommel C.
 Robinson, Daniel T.
 White, Linda C.
 Mattison, Donald
 Namihira, Motoi
 Thai, Hieu
 Costa, Cesar
 Bingol, Kerem

University Representative

 Bingol, Ahmet K.
 He, Yanyan
 Liu, Guifeng
 Liu, Yaning
 Namihira, Motoi J.
 Pai, Szu-Yu
 Tzeng, Yu-Ying

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

 Badshah, Muffasir H.
 Balov, Nikolay
 Liu, Wei (Cochair)
 Ncube, Moeti M.
 Ncube, Sentibaleng M.
 Samir, Chafik (Cochair)

Current Master's Student Supervisory Committees

No current master's student committees.

Master's students who have graduated in the last five years for whom you were supervisory committee chair:

 Henning, Wade

Research and Original Creative Work for the Last Five Years

Publications

<u>Refereed Journal Articles</u>

Sun, H., & Srivastava, A. (submitted). Shape Detection in Over-Segmented Images. *IEEE Transactions on Pattern Analysis and Machine Intelligence*. Manuscript submitted for publication.

Su, J., Huffer, F., & Srivastava, A. (submitted). Detection, Classification and Estimation of Shapes in 2D and 3D Point Clouds. *Computational Statistics and Data Analysis*. Manuscript submitted for publication.

Kurtek, S., Grimm, C., Vaughan, M., Sowell, R., & Srivastava, A. (submitted). Statistical Analysis of Manual Segmentations of Structures in Medical Images. *Journal of Computer Vision and Image Understanding*. Manuscript submitted for publication.

Wu, W., & Srivastava, A. (submitted). Estimating Summary Statistics in Spike Train Space. *Journal of Computational Neuroscience*. Manuscript submitted for publication.

Wu, W., Tucker, J. D., & Srivastava, A. (submitted). Classification of Underwater Object Targets Using Warped Spectral Responses. *IEEE Transactions on Signal Processing*. Manuscript submitted for publication.

Srivastava, A., Wu, W., Kurtek, S., Klassen, K., & Marron, J. S. (submitted). Statistical Analysis and Modeling of Elastic Functions. *Journal of Royal Statistical Society B*. Manuscript submitted for publication.

Drira, H., Ben Amor, B., Daoudi, M., & Srivastava, A. (submitted). Pose and Expression-Robust 3D Face Recognition Using Elastic Radial Curves. *IEEE Transactions on Pattern Analysis and Machine Intelligence*. Manuscript submitted for publication.

Badshah, M., Beaumont, P., & Srivastava, A. (in press). Computing Equilibrium Wealth Distributions in Models with Heterogeneous-Agents, Incomplete Markets, and Idiosyncratic Risk. *Journal of Computational Economics, accepted for publication*.

Ballihi, L., Ben Amor, B., Daoudi, M., & Srivastava, A. (in press). Geometric Feature Selection Using Machine Learning for Efficient 3D Face Recognition and Gender Classification. *IEEE Transactions on Information Forensics and Security*.

Kurtek, S., Klassen, E., Gore, J., Ding, Z., & Srivastava, A. (in press). Elastic Geodesic Paths in Shape Spaces of Parameterized Surfaces. *IEEE Transactions on Pattern Analysis and Machine Intelligence*.

Kurtek, S., Srivastava, A., Klassen, E., & Ding, Z. (in press). Statistical Modeling of Curves

Using Shapes and Related Features. *Journal of American Statistical Association*.

Srivastava, A., Turaga, P., & Kurtek, S. (2012). On Advances in Geometric Approaches for 2D and 3D Shape Analysis and Activity Recognition. *Journal of Image and Vision Computing*, *30(6-7)*, 398-416.

Su, J., Dryden, I. L., Klassen, E., Le, H., & Srivastava, A. (2012). Fitting Optimal Curves to Time-Indexed, Noisy Observations of Stochastic Processes on Nonlinear Manifolds. *Journal of Image and Vision Computing*, *30(6-7)*, 428-442.

Samir, C., Absil, P.-A., Srivastava, A., & Klassen, E. (2012). A Gradient-Descent Method for Curve Fitting on Riemannian Manifolds. *Foundations of Computational Mathematics*, *12(1)*, 49-73.

Turaga, P., Veeraraghavan, A., Srivastava, A., & Chellappa, R. (2011). Statistical Computations on Special Manifolds for Image and Video-Based Recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *33(11)*, 2273-2286.

Wu, W., & Srivastava, A. (2011). An Information-Geometric Framework for Statistical Inferences in the Neural Spike Train Space. *Journal of Computational Neuroscience*, *31(3)*, 725-748.

Maalej, A., Ben Amor, B., Daoudi, M., Srivastava, A., & Berretti, S. (2011). Shape Analysis of Local Patches for 3D Facial Expression Recognition. *Pattern Recognition*, *44(8)*, 1581-1589.

Srivastava, A., Klassen, E., Joshi, S., & Jermyn, I. (2011). Shape Analysis of Elastic Curves in Euclidean Spaces. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *33(7)*, 1415-1428.

Abdelkader, M. F., Abd-Almageed, W., Srivastava, A., & Chellappa, R. (2011). Gesture and Action Recognition via Modeling Trajectories on Shape Manifolds. *Computer Vision and Image Understanding Journal*, *115(3)*, 439-455.

Kurtek, S., Klassen, E., Ding, Z., Jacobsen, S., Jacobson, J. L., Avison, M. J., & Srivastava, A. (2011). Parameterization-Invariant Shape Comparisons of Anatomical Surfaces. *IEEE Transactions on Medical Imaging*, *30(3)*, 849-858.

Liu, W., Srivastava, A., & Zhang, J. (2011). A Mathematical Framework for Protein Structure Comparison. *PLOS Computational Biology*, *7(2)*, 1-10.

Wu, W., & Srivastava, A. (2011). Towards Statistical Summaries of Spike Train Data. *Journal of Neuroscience Methods*, *195(1)*, 107-110.

Rubinshtein, E., & Srivastava, A. (2010). Optimal Linear Projections for Enhancing Desired Data Statistics. *Journal of Statistics and Computing*, *20(3)*, 267-282.

Srivastava, A., & Kaziska, D. (2010). Joint Gait-Cadence Analysis for Human Identification Using An Elastic Shape Framework. *Communications in Statistics – Theory and Methods*, *39(19)*, 1817-1831.

Srivastava, A., & Jermyn, I. H. (2009). Looking for Shapes in Two-Dimensional, Cluttered Point Cloud. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *31(9)*, 1616-1629.

Ben Amor, B., Drira, H., Ballihi, L., Srivastava, A., & Daoudi, M. (2009). An Experimental Illustration of 3D Facial Shape Analysis Under Facial Expressions. *Annals of Telecommunications*, *64(5)*, 369-379.

Veeraraghavan, A., Srivastava, A., Roy-Chowdhury, A. K., & Chellappa, R. (2009). Rate-invariant recognition of humans and their activities. *IEEE Transactions on Image Processing*, *8(6)*, 1326-1339.

Samir, C., Srivastava, A., Daoudi, M., & Klassen, E. (2009). An Intrinsic Framework for Analysis of Facial Surfaces. *International Journal of Computer Vision*, *82(1)*, 80-95.

Joshi, S., & Srivastava, A. (2009). Intrinsic Bayesian Active Contours for Extraction of Object Contours in Images. *International Journal of Computer Vision*, *81(3)*, 331-355.

Chiang, M.-C., Barysheva, D., Shattuck, D., Lee, A., Madsen, S. K., Avedissian, C., Klunder, A. D., Toga, A., & McMahon, K., De Zeubicaray, G., Wright, M., Srivastava, A., Balov, N., Thompson, P. (2009). Genetics of Brain Fiber Architecture and Intellectual Performance. *Journal of Neuroscience*, *29(7)*, 2212-2224.

Srivastava, A., Samir, C., Joshi, S. H., & Daoudi, M. (2009). Elastic Shape Models for Face Analysis Using Curvilinear Coordinates. *Journal of Mathematical Imaging and Vision*, *33(2)*, 253-265.

Kaziska, D., & Srivastava, A. (2008). The Karcher Mean of a Class of Symmetric Distributions on a Unit Circle. *Statistics and Probability Letters*, *78*, 1314-1316.

Kaziska, D., & Srivastava, A. (2007). Classification of Cyclostationary Processes on Nonlinear Shape Manifolds for Gait-Based Human Recognition. *ournal of American Statistical Association*, *102(480)*, 1114-1124.

Grenander, U., Srivastava, A., & Saini, S. (2007). A Pattern-Theoretic Characterization of Biological Growth. *IEEE Transactions on Medical Imaging*, *26(5)*, 648-659.

Refereed Book Chapters

Srivastava, A., Kurtek, S., & Klassen, E. (2011). Statistical Shape Analysis. In *Encyclopedia of Computer Vision*. Springer Verlag, Berlin.

Turaga, P., Veeraraghavan, A., Srivastava, A., & Chellappa, R. (2009). Statistical Analysis on Manifolds and Its Applications to Video Analysis. In *Handbook on Video Search and Mining*. Springer Verlag.

Nonrefereed Monographs

Srivastava, A. (in press). *Statistical Modeling of Shapes of Curves and Surfaces*. Springer Series in Statistics, in preparation.

Contracts and Grants

Contracts and Grants Funded

Srivastava, Anuj (PI), & Wu, W. (Jul 2012–Jun 2015). *A New Paradigm in Registration, Analysis and Modeling of*. Funded by National Science Foundation. (1208959). Total award $250,000.

Zhang, Jinfeng (PI), & Srivastava, A. (Jul 2012–Apr 2013). *Elastic Shape Analysis for Protein Structure Alignment*. Funded by National Institute of General. (R21GM101552). Total award $202,141.

Srivastava, A. (2012–2015). *RI Small Collaborative Research: Ontology Based Perceptual Organization of Audio-Video Events Using Pattern Theory*. Funded by National Science Foundation. (IIS 1217515). Total award $247,000.

Srivastava, Anuj (PI), Klassen, E. P., & Barbu, A. G. (Sep 2009–Aug 2012). *MCS: Research on Detection and Classification of 2D and*. Funded by National Science Foundation. (0915003). Total award $400,000.

Srivastava, Anuj (PI), & Barbu, A. G. (Apr 2009–Sep 2012). *Sparse Representation-Based Object And Activity*. Funded by University of Maryland Colleg. (Z891901). Total award $443,750.

Srivastava, A., & Barbu, A. (2009–2012). *Statistical and Semantic Approaches for Object, Activity, and Intent Recognition*. Funded by Office of Naval Research. (N00014-09-1-0664). Total award $450,000.

Srivastava, Anuj (PI). (Nov 2006–Oct 2008). *Shape Analysis*. Funded by Northrop Grumman Corporation. (NONE). Total award $25,000.

Srivastava, Anuj (PI). (May 2006–Dec 2011). *Integration, Fusion, and Performance for Recognition*. Funded by Ohio State University. (RF01065213). Total award $487,000.

Srivastava, A. (2006–2007). *Shape-Based Exploitation Tools for ATR*. Funded by Northrop-Grumman Innovation Alliance Grant. Total award $25,000.

Mio, Washington (PI), Srivastava, A., & Liu, X. (Jun 2005–Jun 2009). *Algorithmic Riemanian Geometry*. Funded by National Science Foundation. (CCF-0514743). Total award $300,397.

Mio, W., Srivastava, A., & Liu, X. (2005–2008). *Algorithmic Riemannian Geometry for a Statistical Analysis of Images*. Funded by National Science Foundation. Total award $470,000.

Srivastava, Anuj (PI), Mio, W., Klassen, E. P., & Liu, X. (Aug 2004–Sep 2009). *Research on Statistical Shape Theory for Applications in*. Funded by U. S. Army Robert Morris Acqui. (W911NF-04-1-0268). Total award $372,684.

Service for the Last Five Years

Florida State University

FSU Department Service

Member, Department Executive Committee (2004–2009).

Member, Department Faculty Recruitment Committee (2003–2008).

The Profession

Editor for Refereed Journals

Associate Editor, *IEEE Transactions on Pattern Analysis and Machine Intelligence* (2006–2008).

Service to the Community

Organizer of A topic-contributed session, A topic-contributed session at JSM 2012 on Function Registration Methods, Joint Statistical Meetings, 2012 (2012).

Technical Committee, Reviewer, Workshop on Biomedical Image Registration (2012).

Conference Technical Committee, Reviewer, Statistical Signal Processing Workshop (2012).

Workshop Organizer, A Workshop on Statistics of Time Warpings and Phase Variations (with Jim Ramsay, Steve Marron, and Laura Sangalli), November 2012, Mathematical Biosciences Institute (MBI), Ohio State University, Columbus, OH (2012).

Conference Technical Committee, Reviewer, Mathematical Foundations of Computational Anatomy (2011).

Conference Technical Committee, Reviewer, ICB (2011).

Conference Technical Committee, Reviewer, International Conference on Pattern Recognition (2010).

Medical Image Computing and Computer Assisted Intervention, Conference Technical Committee, Reviewer (2008).

Conference Technical Committee, Reviewer, International Conference on Acoustics, Speech, and Signal Processing (2007).

Conference Technical Committee, Reviewer, Energy Minimization Methods in Computer Vision and Pattern Recognition (2007).

Conference Technical Committee, Reviewer, International Conference on Computer Vision (2007–2011).

Workshop Organizer, An ARO Sponsored Workshop on Challenges and Opportunities in Image Understanding, Washington DC, January 2007. (Approx. 30 attendees), Army Research Office (2007).

Conference Technical Committee, Reviewer, European Conference on Computer Vision (2006–present).

Conference Technical Committee, Reviewer, Computer Vision and Pattern Recognition (2004–present).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 29, 2012

Department: Statistics

Name: Elizabeth H Slate

Professional Preparation (Highest Degree Only)

1991   Ph.D., Carnegie Mellon University, Pittsburgh, PA. Major: Statistics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA6174	Advanced Methods in Epidemiology	12	100

Current Doctoral Student Supervisory Committees

Co-Chair

    Parker, Anthony

Member

    Fraser, Raphael Andre

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

    Ouyang, Bichun (Cochair)
    Shotwell, Mary
    Shotwell, Matthew
    Wolf, Bethany (Cochair)

Current Master's Student Supervisory Committees

No current master's student committees.   No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Publications

<u>Refereed Journal Articles</u>

Gu, Y., Lipsitz, S., Slate, E., & Sinha, D. (submitted). *Model for recurrent events data with same link for intensity and mean functions*. Manuscript submitted for publication.

Hill, E., & Slate, E. (submitted). A latent class model for inter-rater agreement of clustered periodontal measures. *Annals of Applied Statistics*. Manuscript submitted for publication.

Ouyang, B., Slate, E., Sinha, D., & Van Bakel, A. (submitted). Bayesian analysis of recurrent events with dependent termination: An application to a heart transplant study. *Statistics in Medicine*. Manuscript submitted for publication.

Shotwell, M., & Slate, E. (submitted). *Balanced Partitions for Bayesian Modeling*. Manuscript submitted for publication.

Sora, N., Marlow, N., Bandyopadhyay, D., Liete, R., Slate, E., & Fernandes, J. (submitted). Association between metabolic syndrome and extent of severe periodontitis in Gullah African Americans. *J. Clinical Periodontology*. Manuscript submitted for publication.

Wolf, B., Hill, E., Slate, E., Neumann, C., & Kistner-Griffin, E. (submitted). LBoost: a boosting algorithm with application for epistasis discovery. *PLOS One*. Manuscript submitted for publication.

Algotar, A., Stratton, M., Ahmann, F., Ranger-Moore, J., Nagle, R., Thompson, P., Slate, E., Hsu, C., Dalkin, B., Sindhwani, P., Homes, M., Tuckey, J., Graham, D., Parnes, H., Clark, L., & Stratton, S. (in press). Phase 3 clinical trial investigating the effect of selenium supplementation on men at high risk for prostate cancer. *Prostate*.

Marlow, N., Slate, E. H., Fernandes, J., & Leite, R. (in press). Associations between Health Insurance and Generalized Periodontal Disease in a Study Population of Gullah African Americans with Type-2 Diabetes. *Community Dentistry and Oral Epidemiology*.

Parker, A., Yuen, H., & Slate, E. H. (in press). "Dental care utilization among dentate adults with asthma: findings from the 2008 Behavioral Risk Factor Surveillance System. *J. Public Health Dentistry*.

Zyblewski, S., Argraves, W., Graham, E., Slate, E. H., Atz, A., Bradley, S., McQuinn, T., Wilkerson, B., Wing, S., & Argraves, K. (in press). Reduction in Postoperative High-Density Lipoprotein Cholesterol Levels in Children Undergoing the Fontan Operation. *Pediatric Cardiology*.

Hardy, D., Ross, J., Schulyer, C., Liete, R., Slate, E., & Huang, Y. (2012). Matrix

metalloproteinase-8 Expression in Periodontal Tissues Surgically Removed from Diabetic and Nondiabetic Patients with Periodontal Disease. *Journal of Clinical Periodontology*, *39(3)*, 249-255.

Slate, E. H., & Hill, E. (2012). Discovering factors influencing examiner agreement for periodontal measures. *Community Dentistry and Oral Epidemiology*, *40(Suppl 1)*, 21-27.

Taylor, T., Janech, M., Slate, E. H., Lewis, E., Arthur, J., & Oates, J. (2012). Overcoming the effects of matrix interference in the measurement of urine protein analytes. *Biomarker Insights*, *7*, 1-8.

Yuen, H., Marlow, N., Reed, S., Leite, R., Mahoney, S., Slate, E. H., & Silver, R. (2012). Effect of Orofacial Exercises on Oral Aperture in Adults with Systemic Sclerosis. *Disability and Rehabilitation*, *34(1)*, 84-89.

Bandyopadhyay, D., Reich, B., & Slate, E. H. (2011). A spatial beta-binomial model for clustered count data on dental caries. *Statistical Methods in Medical Research*, *20(2)*, 85-102.

Marlow, N., Slate, E. H., Bandyopadhyay, D., Fernandes, J., & Leite, R. (2011). Health insurance status is associated with periodontal disease progression among Gullah African Americans with type-2 diabetes mellitus. *J. Public Health Dentistry*, *71(2)*, 143-151.

Marlow, N., Slate, E. H., Bandyopadhyay, D., & Salinas, C. (2011). An evaluation of serum albumin, root caries, and other covariates in Gullah African Americans with type-2 diabetes. *Community Dentistry and Oral Epidemiology*, *39(2)*, 186-92.

Shotwell, M., & Slate, E. (2011). Bayesian Outlier Detection with Dirichlet Process Mixtures. *Bayesian Analysis*, *6(4)*, 1-22.

Tsoi, L., Qin, T., Slate, E. H., & Zheng, W. (2011). Consistent Differential Expression Pattern (CDEP) on microarray to identify genes related to metastatic behavior. *BMC Bioinformatics*, *438*, 1-12.

Yuen, H., Wiegand, R., Hill, E., Slate, E. H., Magruder, K., Salinas, C., London, S., & Morgan, L. (2011). Factors Associated with Toothache among African American Adolescents Living in Rural South Carolina. *Social Work in Public Health*, *26(7)*, 695-707.

Ross, J., Hardy, D., Schuyler, C., Slate, E., & Huang, Y. (2010). Periodontal IL-6 Protein Expression Is Increased across Patients with neither Periodontal Disease nor Diabetes, Patients with Periodontal Disease alone, and Patients with both Diseases. *Journal of Periodontal Research*, *45*, 688-694.

Shotwell, M., & Slate, E. H. (2010). Bayesian Modeling of Footrace Finishing Times. *J. Quantative Analysis in Sports*, *6(3)*, 1-21.

Shotwell, M., McFee, W., & Slate, E. H. (2010). Estimating Gompertz growth curves from marine mammal strandings in the presence of missing data. *Int. J. Ecological Economics and Statistics*, *19*, 32-46.

Stratton, M., Algotar, A., Ranger-Moore, J., Stratton, S., Slate, E., Hsu, C., Thompson, P., Clark, L., & Ahmann, F. (2010). Oral selenium supplementation has no effect on PSA velocity in men undergoing active surveillance for localized prostate cancer. *Cancer Prevention Research*, *3*, 1035-1043.

Wolf, B., Hill, E., & Slate, E. H. (2010). "Logic Forest: An ensemble classifier for discovering logical combinations of binary markers. *Bioinformatics*, *26*, 2183-2189.

Yuen, H., Marlow, N., Mahoney, S., Slate, E. H., Jenkins, C., & London, S. (2010). Oral Health Content in Diabetes Self-Management Education Programs. *Diabetes Research and Clinical Practice*, *90(3)*, e82-4.

Bandyopadhyay, D., Reich, B., & Slate, E. (2009). Bayesian modeling of multivariate spatial binary data with applications to dental caries. *Statistics in Medicine*, *28(28)*, 3492 – 3508.

Fernandes, J., Wiegand, R., Salinas, C., Grossi, S., Sanders, J., Lopes-Virella, M., & Slate, E. H. (2009). Periodontal Disease Status in Gullah African American Diabetics in South Carolina. *J. Periodontology*, *80(7)*, 1062-1068.

Miller, S., Sinha, D., Slate, E. H., Garrow, D., & Romagnuolo, J. (2009). Bayesian adaptation of the Summary ROC curve method for meta-analysis of diagnostic test performance. *J. Data Science*, *7(3)*, 349-364.

Slate, E. H., & Bandyopadhyay, D. (2009). An investigation of the MC-SIMEX method with application to periodontal outcomes. *Statistics in Medicine*, *28(28)*, 3523 – 3538.

Yuen, H., Shotwell, M., Magruder, K., Slate, E. H., & Salinas, C. (2009). Factors associated with oral problems among adults with spinal cord injury. *J. Spinal Cord Medicine*, *32(4)*, 408-15.

Yuen, H., Tress, M., Slate, E. H., & Salinas, C. (2009). Effectiveness of oral self-care among African-American adults with diabetes. *Special Care in Dentistry*, *29(3)*, 128-133.

Cole, C., Sundararaj, K., Leite, R., Nareika, A., Slate, E. H., Sanders, J., Lopes-Virella, M., & Huang, Y. (2008). A Trend of Increase in Periodontal IL-6 Expression between Patients with neither Diabetes nor Periodontal Disease, Patients with Periodontal Disease alone, and Patients with both Diseases. *J of Periodontal Research*, *43(6)*, 717-22.

Hill, E., Schwacke, J., Comte-Walters, S., Slate, E., Oberg, A., Eckel-Passow, J., Therneau, T., & Schey, K. (2008). A Statistical model for iTRAQ data analysis. *J. Proteome Research*, *7(8)*, 3091–3101.

Nareika, A., Im, Y-B, Game, B., Slate, E. H., Sanders, J., London, S., Lopes-Virella, M., & Huang, Y. (2008). High Glucose Enhances Lipopolysaccharide-Stimulated CD14 Expression in U937 Mononuclear Cells by Increasing NFkB and AP-1 Activities. *Journal of Endocrinology*, *196*, 45-55.

Reid, M., Duffield-Lillico, A., Slate, E. H., Nachimuthu, N., Turnbull, B., Jacobs, E., Combs, G., Alberts, D., Clark, L., & Marshall, J. (2008). The Nutritional Prevention of Cancer: 400 mcg per day selenium treatment. *Nutrition and Cancer*, *60(2)*, 155-163.

Sundararaj, K., Samuvel, D., Li, Y., Nareika, A., Slate, E., Sanders, J., Lopes-Virella, M., & Huang, Y. (2008). Simvastatin Suppresses LPS-Induced MMP-1 Expression in U937 Mononuclear Cells by Inhibiting Protein Isoprenylation-mediated ERK Activation. *Journal of Leukocyte Biology*, *84*, 1120-1129.

Yuen, H., Wiegand, R., Slate, E. H., Magruder, K., Salinas, C., & London, S. (2008). Dental Health Knowledge in a Group of African American Adolescents Living in Rural South Carolina. *Journal of Allied Health*, *37*, 15-21.

Zhao, H., Lawson, A., Herbert, J., Slate, E. H., & Hill, E. (2008). Joint spatial survival modeling for the age at diagnosis and the vital outcome of prostate cancer. *Statistics in Medicine*, *27(18)*, 3612-3628.

Han, J., Slate, E. H., & Peña, E. (2007). Parametric latent class joint model for a longitudinal biomarker and recurrent events. *Statistics in Medicine*, *26(29)*, 5285-5302.

Nareika, A., Maldonado, A., He, L., Game, B., Slate, E. H., Sanders, J., London, S., Lopes-Virella, M., & Huang, Y. (2007). High Glucose-Boosted Inflammatory Responses to Lipopolysaccharide Are Suppressed by Statin. *J Periodontal Research*, *42*, 31-38.

Peña, E., Slate, E. H., & Gonzalez, J. (2007). Semiparametric Inference for a General Class of Models for Recurrent Events. *Journal of Statistical Planning and Inference*, *137(6)*, 1727-1747.

Zhao, H., Lawson, A., Herbert, J., Slate, E. H., & Hill, E. (2007). A Bayesian hierarchical modeling approach for studying the factors affecting the stage at diagnosis of prostate cancer. *Statistics in Medicine*, *27(9)*, 1468 - 1489.

Nonrefereed Proceedings

Shotwell, M., Nietert, P., & Slate, E. H. (2008). Improved Mixing with Simulated Annealing in Bimodal Footrace Finishing Times. In *Proceedings of the American Statistical Association*. Alexandria, VA: American Statistical Association.

Presentations

Invited Keynote and Plenary Presentations at Conferences

Slate, E. H., Ouyang, B., Sinha, D., & Van Bakel, A. (presented 2012, July). *Bayesian analysis of recurrent events with dependent termination: An application to heart transplant data*. Keynote presentation at The statistical analysis of multi-outcome data, The statistical analysis of multi-outcome data, Paris, France. (International)

Slate, E., Wolf, B., Hill, E., & Kistner-Griffin, E. (presented 2010, October). *"Logic Forest: A flexible ensemble model for biomarker discovery*. Plenary presentation at 25th Anniversary Conference, Department of Statistics, Univ. of South Carolina. (National)

Invited Presentations at Conferences

Sinha, D., Ouyang, B., Slate, E., & Gu, Y. (presented 2010, March). *Analyzing Recurrent Events Data: A Bayesian Perspective*. Presentation at International Biometric Society (ENAR), International Biometric Society (ENAR), New Orleans, LA. (National)

Slate, E. (presented 2010, March). *Models for Joint Longitudinal and Event-time outcomes*. Presentation at International Biometric Society (ENAR), International Biometric Society (ENAR), New Orleans, LA. (National)

Slate, E. (presented 2009, March). *Overview of Biostatistics and Biometry*. Presentation at Diversity Workshop, International Biometric Society (ENAR), San Antonio, TX. (National)

Bandyopadhyay, D., Sinha, D., Slate, E., & Dey, D. (presented 2007, November). *Modeling Dental caries: A Bayesian analysis of zero-inflated count data*. Presentation at Design and Analysis of Experiments 2007, Design and Analysis of Experiments, Memphis, TN. (National)

Bandyopadhyay, D., Sinha, D., Slate, E., & Dey, D. (presented 2007, October). *Bayesian Modeling of zero inflated count data with applications to Dental Caries*. Presentation at International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC. (International)

Slate, E., & Hill, E. (presented 2007, October). *A semiparametric Bayesian model for examiner agreement in periodontal research*. Presentation at Current and Future Trends in Nonparametrics, American Statistical Association Section on Nonparametric Statistics, Columbia, SC. (National)

Refereed Presentations at Conferences

Marlow, N., Slate, E., Bandyopadhyay, D., Fernandes, J., & Salinas, C. (presented 2009, April). *Association between Root Caries and Serum Albumin in Gullah-African-American Diabetics*. Presentation at International Association for Dental Research, International Association for Dental Research, Miami, FL. (International)

Nonrefereed Presentations at Conferences

Wolf, B., Hill, E., & Slate, E. (presented 2012, August). *"Seeing the forest for the trees: Graphical methods for Logic Forest*. Presentation at Joint Statistical Meetings, American Statistical Association, San Diego, CA. (International)

Kistner-Griffin, E., Wolf, B., Hill, E., Slate, E., & Neumann, C. (presented 2010, November). *Exploring breast cancer epistasis in the PRDX genes*. Presentation at American Society of Human Genetics Annual Conference, American Society of Human Genetics, Washington, DC. (International)

Slate, E., & Hill, E. (presented 2010, April). *A semiparametric Bayesian model for examiner agreement in periodontal research*. Presentation at 4th International Meeting: Methodological Issues in Oral Health Research: Intervention Studies, Methodological Issues in Oral Health Research, Instanbul Turkey. (International)

Marlow, N., Slate, E., Fernandes, J., & Salinas, C. (presented 2009, December). *Association between Health Insurance and Generalized Periodontal Disease in a Study Population of Gullah African Americans with Diabetes*. Poster presentation at Dept. of Medicine Research Day, Medical University of South Carolina. (Local)

Parker, A., & Slate, E. (presented 2009, December). *Estimation of periodontal disease progression in the presence of diagnostic error*. Poster presentation at Dept. of Medicine Research Day, Medical University of South Carolina. (Local)

Shotwell, M., & Slate, E. (presented 2009, December). *Simplified Clustering with Dirichlet Process and Other Process Mixtures*. Presentation at 7th Annual Rocky Mountain Bioinformatics Conference (Rocky '09), Rocky Mountain Bioinformatics, Aspen/Snowmass, CO. (National)

Wolf, B., Slate, E., & Hill, E. (presented 2009, December). *Identification of disease biomarkers using Logic Forest*. Poster presentation at Dept. of Medicine Research Day, Medical University of South Carolina. (Local)

Wolf, B., Slate, E., & Hill, E. (presented 2009, November). *Graphical methods for Logic Forest*. Presentation at Student Research Day, Medical University of South Carolina, Charleston, SC. (Local)

Marlow, N., Slate, E., Fernandes, J., & Salinas, C. (presented 2009, August). *Association between Health Insurance and Generalized Periodontal Disease in a Study Population of Gullah African Americans with Diabetes*. Poster presentation at Joint Statistical Meetings, American Statistical Association. (International)

Wolf, B., Hill, E., & Slate, E. (presented 2009, August). *A comparison of logic regression and an ensemble form, logic forest*. Presentation at Joint Statistical Meetings, American Statistical Association, Washington, DC. (National)

Tress, M., MacFee, W., & Slate, E. (presented 2009, April). *Reducing sampling bias and maximizing data utility in marine mammal stranding data*. Presentation at Southeast and Mid-Atlantic Marine Mammal Symposium (SEAMAMMS), Southeast and Mid-Atlantic Marine Mammal Symposium, Wilmington, NC. (Regional)

Wolf, B., Hill, E., & Slate, E. (presented 2009, March). *An evaluation of logic forest for identification of disease biomarkers*. Presentation at International Biometric Society (ENAR), International Biometric Society (ENAR), San Antonio, TX. (National)

Ouyang, B., Slate, E., Sinha, D., & VanBakel, A. (presented 2008, November). *A Bayesian Analysis of Recurrent Events Data with Dependent Termination: An Application to a Heart Transplant Problem*. Presentation at Dept. of Biostatistics, Bioinformatics and Epidemiology 40th Anniversary Celebration, Medical University of South Carolina, Charleston, SC. (Local)

Ouyang, B., Slate, E., Sinha, D., & VanBakel, A. (presented 2008, November). *A Bayesian Analysis of Recurrent Events Data with Dependent Termination: An Application to a Heart Transplant Problem*. Presentation at Student Research Day, Medical University of South Carolina, Charleston, SC. (Local)

Shotwell, M., Lu, X., & Slate, E. (presented 2008, November). *Kernel smoothing mixed models*. Poster presentation at Dept. of Biostatistics, Bioinformatics and Epidemiology 40th Anniversary Celebration, Medical University of South Carolina, Charleston, SC. (Local)

Tress, M., McFee, W., & Slate, E. (presented 2008, November). *Selection bias adjustment of growth estimates for SC bottlenose dolphins (Tursiops truncatus)*. Presentation at Dept. of Biostatistics, Bioinformatics and Epidemiology 40th Anniversary Celebration, Medical University of South Carolina, Charleston, SC. (Local)

Tress, M., McFee, W., & Slate, E. (presented 2008, November). *Selection bias adjustment of growth estimates for SC bottlenose dolphins (Tursiops truncatus)*. Presentation at Student Research Day, Medical University of South Carolina, Charleston, SC. (Local)

Wolf, B., Slate, E., & Hill, E. (presented 2008, November). *Logic Forest: A Statistical Method for Biomarker Discovery*. Poster presentation at Student Research Day, Medical University of South Carolina. (Local)

Wolf, B., Slate, E., & Hill, E. (presented 2008, November). *Logic Forest: A Statistical Method for Biomarker Discovery*. Poster presentation at Dept. of Biostatistics, Bioinformatics and Epidemiology 40th Anniversary Celebration, Medical University of South Carolina. (Local)

Reich, B., Bandyopadhyay, D., & Slate, E. (presented 2008, August). *Bayesian Modeling of Multivariate Spatial Binary Data: Applications to Dental Epidemiology*. Presentation at Joint Statistical Meetings, American Statistical Association, Denver, CO. (International)

Shotwell, M., Neitert, P., & Slate, E. (presented 2008, August). *Improved Mixing with Simulated Annealing in Bimodal Footrace Finishing Times*. Presentation at Joint Statistical Meetings, American Statistical Association, Denver, CO. (International)

Shotwell, M., Slate, E., & Lu, X. (presented 2008, June). *Semiparametric clustering of microarray gene expression data*. Poster presentation at Summer Research Conference, Southern Regional Council on Statistics, Charleston, SC. (Local)

Stratton, M., Algotar, A., Ranger-Moore, J., Slate, E., Hsu, P., Stratton, S., Thompson, P., & Ahmann, F. (presented 2008, June). *Phase IIb clinical trial of selenium in prostate cancer patients on active surveillance*. Poster presentation at 44th annual meeting, American Society of Clinical Oncology. (National)

Sundararaj, K., Samuvel, D., Li, Y., Slate, E., Sanders, J., Lopes-Virella, M., & Huang, Y. (presented 2008, June). *High glucose enhances fibroblast-mononuclear cell co-culture-boosted MMP-1 expression*. Poster presentation at 68th annual scientific meeting, American Diabetes Association. (National)

Tress, M., Slate, E., & McFee, W. (presented 2008, June). *Correcting for selection bias in bottlenose dolphin (Tursiops truncatus) growth estimates off South Carolina*. Poster presentation at Summer Research Conference, Southern Regional Council on Statistics, Charleston, SC. (Regional)

Yuen, H., Hill, E., Jenkins, C., & Slate, E. (presented 2008, June). *Statewide Survey of Oral Health Education Provided by Certified Diabetes Educators*. Presentation at 68th annual scientific meeting, American Diabetes Association. (National)

Cole, C., Sundararaj, K., Leite, R., Nareika, A., Slate, E., Sanders, J., Lopes-Virella, M., & Huang, Y. (presented 2008, April). *Periodontal IL-6 Expression in Diabetic and Nondiabetic Patients*. Presentation at 37th annual meeting, American Association for Dental Research, Dallas, TX. (International)

Slate, E., Bandyopadhyay, D., Fernandes, J., & Salinas, C. (presented 2008, April). *Accommodating measurement error in periodontal outcomes: application to a study of inflammatory markers*. Presentation at Third International Meeting on Methodological Issues in Oral Health Research: Clinical Trials and Evidence Based Dentistry, Methodological Issues in Oral Health, Gargnano del Garda, Italy. (International)

Wolf, B., Moussa, O., Klein, J., Watson, D., & Slate, E. (presented 2008, March). *A Study of Logic Regression with Application to Bladder Cancer*. Presentation at Spring Meeting, International Biometric Society Eastern North American Region (ENAR), Arlington, VA. (International)

Algotar, A., Stratton, M., Ranger-Moore, J., Slate, E., Hsu, P., Stratton, S., Monroe, K., Schwartzberg, G., Epstein, F., & Ahmann, F. (presented 2008, February). *Phase II clinical trial of selenium in subjects on active surveillance for prostate cancer progression*. Poster presentation at The Genitourinary Cancers Symposium, The Genitourinary Cancers Symposium, San Francisco, CA. (National)

Shotwell, M., & Slate, E. (presented 2008, January). *The Cooper River Bridge Run: A Bayesian Hierarchical Mixture*. Poster presentation at MCMSki: The past, present and future of Gibbs sampling, 2nd IMS-ISBA joint meeting, MCMSki, Bormio, Italy. (International)

Game, B., Nareika, A., Maldonado, A., He, L., Slate, E., Sanders, J., London, S., Lopes-Virella, M., & Huang, Y. (presented 2007, November). *High Glucose-Boosted Inflammatory Responses to Lipopolysaccharide Are Suppressed By Statin*. Presentation at Student Research Day, Medical University of South Carolina. (Local)

Shotwell, M., & Slate, E. (presented 2007, November). *The Cooper River Bridge Run: A Bayesian Finite Mixture with Covariates*. Poster presentation at Student Research Day, Medical University of South Carolina, Charleston, SC. (Local)

Bandyopadhyay, D., Sinha, D., Slate, E., & Dey, D. (presented 2007, October). *Modeling Dental caries: A Bayesian analysis of zero-inflated count data*. Poster presentation at The Ninth Bayesian Workshop, The Ninth Bayesian Workshop, Pittsburgh, PA. (National)

Contracts and Grants

Contracts and Grants Funded

Hill, E (PI), & Slate, E (FSU PI). (2012–2014). *Statistical Models for Multiplex Immunoassay Data in HPV-Related HN Ca Research*. Funded by National Institutes of Health, National Institute of Dental and Craniofacial Research. (R03DE021775). Total award $194,817.

Yao, H (PI), & Slate, EH (FSU PI). (2012–2017). *Integrating biomechanics and cell biology to understand TMJ pathology*. Funded by National Institutes of Health, National Institute of Dental and Carniofacial Research. (R01DE021134). Total award $1,974,625.

Bandyopadhyay, D (Co-PI), REICH, BRIAN J (Co-PI), & Slate, EH (Co-I/consultant). (2011–2012). *Robust Spatial Models for Clustered Periodontal Data*. Funded by National Institutes of Health/National Institute for Dental and Craniofacial Research. (1R03DE021762). Total award $300,000.

Bandyopadhyay, D (PI), Cai, B (Co-PI), & Slate, EH (Co-I/consultant). (2011–2013). *Robust nonparametric methods with variable selection for clustered dental data*. Funded by National Institutes of Health, National Institute of Dental and Craniofacial Research. Total award $300,000.

Kirkwood, K (PI), & Slate, EH (FSU PI). (2011–2016). *Post-transcriptional regulation of periodontal disease*. Funded by National Institutes of Health, National Institute of Dental and Craniofacial Research. (1R01DE021423). Total award $1,840,000.

Huang, Y (PI), & Slate, EH (Co-I). (2010–2011). *The Effect of Statin on Diabetes-Associated Periodontal Inflammation*. Funded by National Institutes of Health, National Institute of Dental and Craniofacial Research. (5R01DE016353). Total award $380,000.

Kistner-Griffin, E (PI), Hill, EG (Co-I), Slate, EH (Co-I), & Wolf, BJ (post-doc). (2010–2010). *Exploring cancer pathways using ensembles of tree-based classifiers*. Funded by American Cancer Society Institutional Research Grant. Total award $30,000.

Oates, J (PI), & Slate, EH (Co-I). (2010–2014). *Unique Biomarkers of Lupus Nephritis Pathology and Response to Therapy*. Funded by Veteran's Administration. Total award $600,000.

Yao, H (PI), & Slate, EH (Co-I). (2009–2011). *Biomechanical Characterization of Human Cartilaginous End-Plate*. Funded by National Institutes of Health, National Institute of Arthritis and Musculoskeletal and Skin Diseases. (1R03AR055775). Total award $146,961.

Yao, H (PI), & Slate, EH (Co-I). (2009–2011). *Biophysical Modeling of Fluid and Solute Transport in the TMJ Disc*. Funded by National Institutes of Health, National Institute of Dental and Craniofacial Research. (5R03DE018741). Total award $222,656.

Slate, EH (PI). (2008–2008). *Modern Semiparametric Methods in Action: Southern Regional Council on Statistics Summer Research Conference*. Funded by American Statistical Association. Total award $6,550.

Slate, EH (PI). (2008–2008). *Modern Semiparametric Methods in Action: SRCOS Summer Research Conference*. Funded by South Carolina EPSCoR Program Research Symposia. Total award $10,000.

Slate, EH (PI), & Hill, EG (Co-I). (2008–2010). *Logic Forest: A Statistical Method for Biomarker Discovery*. Funded by National Institutes of Health, National Cancer Institute. (5R03CA137805). Total award $145,911.

Yuen, H (PI), & Slate, EH (Co-I). (2007–2009). *Oral Health in People with Systemic Sclerosis*. Funded by National Institutes of Health, National Institute of Dental and Craniofacial Research. (1R21DE017360). Total award $398,000.

Slate, EH (PI). (2006–2010). *Joint Modeling and Analysis of Longitudinal Markers and Recurrent Events*. Funded by National Science Foundation. (DMS-0604666). Total award $200,000.

Yuen, H (PI), & Slate, EH (Co-I). (2006–2008). *A multi-faceted Investigation to Improve Oral Health in Adults with Systemic Sclerosis*. Funded by Scleroderma Foundation. Total award $140,000.

Huang, Y (PI), & Slate, EH (Co-I). (2005–2010). *Diabetes and Periodontal Gene Expression*. Funded by National Institutes of Health, National Institute of Dental and Craniofacial Research. (R01DE016353). Total award $1,200,000.

Slate, E. H. (2005–2013). *Biostatistics Training for Basic Biomedical Research*. Funded by National Institutes of Health, National Institute of General Medical Sciences. Total award $1,862,205.

London, S (PI), & Slate, EH (Co-I, then PI). (2004–2008). *Oral Health Research Infrastructure Development at MUSC*. Funded by National Institutes of Health, National Institute of Dental and Craniofacial Research. (1U24DE016508). Total award $2,000,000.

Slate, E. (2004–2007). *MUSC Proteomics Center*. Funded by MUSC and NHLBI. Total award $54,000.

Slate, EH (Dir. Core B), London, SD (PI 2002-2007), & Kirkwood, K (PI 2008-2012). (2002–2007). *South Carolina COBRE for Oral Health*. Funded by National Institutes of Health, National Center for Research Resources. (5P20RR017696). Total award $4,000,000.

Contracts and Grants Pending

Slate, E. H. (2012). *Latent subpopulation structure in flexible models for cancer risk and prognosis*. Submitted to NIH/NCI.

Service for the Last Five Years

Florida State University

FSU University Service

Member, Diversity and Graduate Education Committee (2011–2013).

FSU College Service

Member, Graduate Policy Committee Review Subcommittee (2012–2013).

FSU Department Service

Departmental Representative, Southern Regional Council on Statistics (2011–present).

Member, Academic Affairs Committee (2011–present).

Member, Executive Committee (2011–present).

Departmental Liason, National Institute of Statistical Sciences (2011–present).

The Profession

Editorial Board Membership(s)

Statistics in Medicine (2006–present).

Guest Reviewer for Refereed Journals

Journal of Dental Research (2009–present).

Mathematical Biosciences (2009–present).

Journal of Periodontology (2008–present).

Journal of Statistical Planning and Inference (2006–present).

Statistics and Probability Letters (2005–present).

Journal of Agricultural, Biological and Environmental Statistics (2005–present).

Biometrics (1998–present).

Statistics in Medicine (1995–present).

Journal of the American Statistical Association (1993–present).

Journal of Computational and Graphical Statistics (1992–present).

The American Statistician (1992–present).

Reviewer or Panelist for Grant Applications

NIH/NIDCR Data Safety Monitoring Board, Centers for Research to Reduce Disparities in Oral Health (2009–present).

NIH Biostatistical Methods and Research Design (BMRD) review panel (2009–2013).

University of South Carolina pre-proposals for NIH/NCRR Centers of Biomedical Research Excellence ((2009).

National Institutes of Health, Biostatistical Methods and Research Design ad hoc reviewer (2008).

Univ. of Washington pre-proposal NIH/NIDCR Centers for Research to Reduce Oral Health Disparities (2007).

National Institutes of Health, Health of the Population Fellowship Scientific Review Group (2006–2007).

Service to Professional Associations

Secretary, Southern Regional Council on Statistics (2012–present).

Member 2010-2011; Chair 2011-2012, Committee to Nominate Fellows, Section on Bayesian Statistical Science, American Statistical Association (2010–2012).

Secretary/Treasurer, Section on Statistical Computing, American Statistical Association (2008–2010).

Member, Board of Directors, Task Force on Design and Analysis in Oral Health Research (2008–present).

Southern Regional Council on Statistics 2008 Summer Research Conference, Organizing committee co-chair (2007–2008).

General Methodology, 2007 Joint Statistical Meetings of the American Statistical Association, Program Committee Co-chair (2006–2007).

Service to Other Universities

Member, Admissions Committee, Department of Biostatistics, Bioinformatics and Epidemiology, *Medical University of South Carolina* (2009–2011).

Member, Steering Committee, Initiative for Maximizing Student Diversity (IMSD) Program, *Medical University of South Carolina* (2008–2011).

Member, Steering Committee, Medical Scientist Training Program (MSTP), *Medical University of South Carolina* (2008–2011).

Director, Division of Biostatistics, Department of Biostatistics, Bioinformatics and Epidemiology, *Medical University of South Carolina* (2007–2009).

Member, Steering Committee, Training in Craniofacial and Oral Health Research Program, *Medical University of South Carolina* (2007–2011).

Member, College of Dental Medicine Search Committee for Associate Dean for Research, *Medical University of South Carolina* (2007–2008).

Member, Biostatistics Student Recruitment Committee, Department of Biostatistics, Bioinformatics and Epidemiology, *Medical University of South Carolina* (2007–2009).

Research Program Grant Retreat Reviewer, *Medical University of South Carolina* (2006–2010).

Member, American Cancer Society Institutional Review Grant review group, Hollings Cancer Center, *Medical University of South Carolina* (2006–2011).

Member, Executive Committee, South Carolina COBRE for Oral Health, *Medical University of South Carolina* (2002–2011).

Member, Information Technology Committee, Department of Biostatistics, Bioinformatics and Epidemiology, *Medical University of South Carolina* (2001–2009).

Member, Biostatistics Search Committee, Department of Biostatistics, Bioinformatics and Epidemiology, *Medical University of South Carolina* (2001–2007).

Member, Graduate Training and Curriculum Committee, Department of Biostatistics,
Bioinformatics and Epidemiology, *Medical University of South Carolina* (2001–2009).

Additional Service Not Reported Elsewhere

Slate, E. (2012). Prediction in joint models of longitudinal and survival data, session chair. The statistical analysis of multi-outcome data.

Slate, E. (2010). Frontiers of Statistical Decision Making and Bayesian Analysis, Conference in honor of James O. Berger, March 17-20, session chair.

Slate, E., & Kirkwood, K. (2009). Session organizer and session chair, "Clinical Research Methodology: Adaptive Trials," International Association for Dental Research, Miami, FL, April 1-4, 2009. International Association for Dental Research.

Slate, E. (2007). Organizer and Chair of the session "Under the Microscope: Statistical Methods for Molecular Biology," Joint Statistical Meetings, Salt Lake City, 2007.

Slate, E. (2007). Current and Future Trends in Nonparametrics, University of South Carolina, session chair. University of South Carolina.

Slate, E. (2007–2008). Organizing Committee Co-chair, Southern Regional Council on Statistics 2008 Summer Research Conference, Charleston, SC. Also banquet chair. Southern Regional Council on Statistics.

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: September 05, 2012

Department: Statistics

Name: Debajyoti Sinha

Professional Preparation (Highest Degree Only)

1993   Ph.D., University Of Rochester, NY. Major: Statistics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA5179	Applied Survival Analysis	13	100
Spring 2012	STA6448	Advanced Probability and Inference II	16	100
Fall 2011	STA5934	Selected Topics in Statistics, Probability, or Operations Research	8	100
Spring 2011	STA6448	Advanced Probability and Inference II	12	100
Fall 2010	STA5179	Applied Survival Analysis	12	100
Spring 2010	STA6448	Advanced Probability and Inference II	10	100
Fall 2009	STA6174	Advanced Methods in Epidemiology	7	100
Spring 2009	STA6466	Advanced Probability	5	100
Fall 2008	STA5179	Applied Survival Analysis	4	100
Spring 2008	STA5179	Applied Survival Analysis	20	100

Current Doctoral Student Supervisory Committees

Chair
   Fraser, Raphael Andre
   Martinez, Elvis E.
   Stafford, Peter Earl
   Tang, Yuanyuan

University Representative
   Lay, Nathan Stephen
   Rainey, Robert C.
   Xu, Linlin

Member

    Almansour, Aseel
    Becvarik, Rachel A.
    Chung, Steve Sang
    Girimurugan, Senthil Balaji
    Ha, Seungyeon
    Hillebrandt, Kathryn M.
    Holden, Robert T.
    Rivera, Gretchen L.
    Rosenthal, Michael M.
    Schleeter, Tiffany
    Williams, Felicia G.

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

    Gu, Yu
    Li, Xiaoyun
    Lin, Jianchang
    Lin, Lanjia
    Wang, Wenting

Current Master's Student Supervisory Committees

No current master's student committees.   No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Publications

Refereed Journal Articles

Letourneau, E. J., Armstrong, K. S., Bandyopadhyay, D., & Sinha, D. (in press). Sex Offender Registration and Notification Policy Increases Juvenile Plea Bargains. *Sexual Abuse A Journal of Research and Treatment*.

Letourneau, E. J., Bandyopadhyay, D., Sinha, D., & Armstrong, K. S. (in press). The Influence of Sex Offender Registration on Juvenile Sexual Recidivism. *Criminal Justice Policy Review*.

Lin, J., Sinha, D., Lipsitz, S., & Polpo, A. (in press). Semiparametric Bayesian survival analysis using models with log-linear median. *Biometrics*.

Llipsitz, S. R., Fitzmaurice, G., Regenbogen, S. E., Sinha, D., Ibrahim, J., & Gawande, A. A. (in

press). Bias correction for the proportional odds logistic regression model with application to a study of surgical complications. *Journal of the Royal Statistical Society, Series C*.

Natarajan, S., Lipsitz, S. R. L., Fitzmaurice, G. M., Sinha, D., Ibrahim, J. G., Haas, J., & Gellad, W. (in press). An extension of the Wilcoxon Rank-Sum test for complex sample survey data. *Journal of the Royal Statistical Society, Series C*.

Polpo, A., Sinha, D., & Pereira, C. A. B. (in press). Nonparametric Bayesian Estimation of Reliability in Coherent Systems. *IEEE Transaction in Reliability*.

Polpo, A., & Sinha, D. (in press). Correction in Bayesian nonparametric estimation in a series system or a competing-risks model. *Statistics and Probability Letters*.

Guy, Y., Banerjee, S., & Sinha, D. (2011). Analysis of Cure Rate Survival Data Under Proportional Odds Model. *Lifetime Data Analysis*, 123-134.

Li, X., Bandyopadhyay, D., Lipsitz, S. L., & Sinha, D. (2011). Likelihood methods for binary responses of present components in a cluster. *Biometrics*, *67*, 629-635.

Lipsitz, S. L., Parzen, M., Ghosh, S., Sinha, D., Mallick, D., & Fitzmaurice, G. (2011). A generalized linear mixed model for longitudinal binary data with a marginal logit link function. *Annals of Applied Statistics*, *5*, 449-467.

Sinha, S. K., Lipsitz, S. L., & Sinha, D. (2011). A bivariate pseudo-likelihood for incomplete longitudinal binary data with nonignorable non-monotone missingness. *Biometrics*, *67*, 1119-1126.

Letourneau, E. J., Levenson, J. S., Bandyopadhyay, D., Armstrong, K. S., & Sinha, D. (2010). Effects of South Carolina's Sex Offender Registration and Notification Policy on deterrence of adult sex crimes. *Criminal Justice and Behavior*, *37*, 537-552.

Lipsitz, S. R., Fitzmaurice, G. M., Ibrahim, J. G., Sinha, D., Parzen, M., & Lipshultz, S. (2010). Joint generalized estimating equations for multivariate longitudinal binary outcomes with missing data: An application to acquired immune deficiency syndrome data. *Journal of the Royal Statistical Society, Series A*, *172*, 3-20.

Reed, S. G., Cartmell, K. B., Duffy, N. G., Herrin, A. E., Sinha, D., Hollinger, A., Alberg, A. J., & Day, T. (2010). Oral cancer preventive practices of South Carolina dentists and physicians. *Journal of Cancer Education*, *25*, 166-173.

Sinha, D., Letourneau, E. J., Bandyopadhyay, D., Armstrong, K. S., & Sinha, D. (2010). Do Sex Offender Registration and Notification Requirements Deter Juvenile Sex Crimes. *Criminal Justice and Behavior*, *37*, 553-569.

Travis, P. B., Goodman, K. J., O'Rourke, K. M., Groves, F. D., Sinha, D., Nicholas, J. S.,

VanDerslice, J., Lackland, D., & Mena, K. D. (2010). The association of drinking water quality and sewage disposal with Helicobacter pylori incidence in infants: the potential role of water-borne transmission. *Journal of Water and Health*, 192-203.

Bandyopadhyay, D., Sinha, D., Letourneau, E. J., Lipsitz, S. L., & Armstrong, K. S. (2009). Changing approaches of prosecutors towards juvenile repeated sex-offenders: A Bayesian evaluation. *The Annals of Applied Statistics*, *4*, 805-829.

Cho, H., Ibrahim, J. G., Sinha, D., & Zhu, H. (2009). Bayesian case influence diagnostics for survival models. *Biometrics*, *65*, 116-124.

Huang, P., Chen, M.-H., & Sinha, D. (2009). A latent model approach to define event onset time in the presence of measurement error. *Statistics and Its Interface*, *40*, 413-424.

Letourneau, E. J., Bandyopadhyay, D., Sinha, D., & Armstrong, K. S. (2009). The Effects of Sex Offender Registration Policies on Juvenile Justice Decision Making. *Sexual Abuse A Journal of Research and Treatment*, *21*, 149-165.

Lin, L., Bandyopadhyay, D., Sinha, D., & Lipsitz, S. L. (2009). Association models for clustered data with binary and continuous responses. *Biometrics*, *66*, 287-293.

Lin, Y., Lipsitz, S. R., Sinha, D., Gawande, A. A., Regenbogen, S. E., & Greenberg, C. C. (2009). Using Bayesian p-values in a 2x2 Table of matched pairs with incompletely classified data. *Journal of the Royal Statistical Society, Series C*, *58*, 237-246.

Miller, S. C., Sinha, D., Slate, E. H., Garrow, D., & Romagnuolo, J. (2009). Bayesian adaptation of the summary ROC curve method for meta-analysis of diagnostic test performance. *Journal of Data Science*, *58*, 237-246.

Sinha, D., McHenry, B., Lipsitz, S. R., & Ghosh, M. (2009). Empirical Bayes Estimation for Additive Hazards Regression Models. *Biometrika*, *96*, 116-124.

Troxel, A. B., Lipsitz, S. R., Fitzmaurice, G. M., Ibrahim, J. G., Sinha, D., Sinha, D., & Molenbergh, G. (2009). A weighted combination of pseudo-likelihood estimators for longitudinal binary data subject to nonignorable non-monotone missingness. *Statistics in Medicin*, *29(14)*, 1511-21.

Sinha, D., Ibrahim, J. G., Ouyang, B., & Maiti, T. (2008). Current Methods for Recurrent Events Data with Dependent Termination: A Bayesian Perspective. *Journal of the American Statistical Association*, *103*, 866-878.

Watkins, J. M., Harper, J. L., Dragun, A. E., Ashenafi, M. S., Sinha, D., Li, J., Cole, D. J., & Jenrette, J. M. (2008). Incidence and prognostic factors for seroma development following Mammosite breast brachytherapy (MBT). *Brachytherapy*, *7*, 305-309.

Cooner, F., Banerjee, S., Carlin, B. P., & Sinha, D. (2007). Flexible cure rate modelling under

latent activation schemes. *Journal of American Statistical Association*, *102*, 560-572.

Garrow, D., Miller, S., Sinha, D., Hoffman, B. J., Hawes, R. H., Conway, J., & Romagnuolo, J. (2007). Endoscopic Ultrasound: A meta-analysis of test performance in suspected biliary obstruction. *Clinical Gastroenterology and Hepatology*, *5*, 616-623.

Ryu, D., Sinha, D., Mallick, B., Lipsitz, S. R., & Lipshultz, S. E. (2007). Longitudinal Studies with Outcome Dependent Follow-Up: Models and Bayesian Regression. *Journal of American Statistical Association*, *102*, 952-961.

Contracts and Grants

Contracts and Grants Funded

Sinha, Debajyoti (PI). (Dec 2007–Jun 2013). *Deb Song Research Support*. Funded by FSU Foundation. (F00276). Total award $168,230.

Sinha, Debajyoti (PI). (Sep 2007–Jul 2012). *Semiparametric Bayesian Survival Analysis*. Funded by National Cancer Institute. (R01CA069222). Total award $822,263.

Sinha, D. (2006–2007). *The Impact on Dragon Boat Racing on Cancer Survivorship*. Funded by NIH/NCI. Total award $0.

Sinha, D. (2005–2008). *PREVENTING SEXUAL VIOLENCE: DOES SEX OFFENDER REGISTRATION AND NOTIFICATION WORK?* Funded by CENTER FOR DISEASE CONTROL. (GRANT RA49-000-567). Total award $0.

Sinha, D. (2005–2008). *OFFENDER REGISTRATION: EXAMINATION OF INTENDED AND UNINTENDED EFFECTS ON JUVENILE OFFENDERS*. Funded by NATIONAL SCIENCE FOUNDATION AND NATIONAL INSTITUTE OF JUSTICE. (SES-0455124). Total award $0.

Sinha, D. (2005–2007). *C18-CERAMIDE IN HEAD AND NECK CANCER GROWTH AND THERAPY*. Funded by NATIONAL CANCER INSTITUTE. (R01DE016572). Total award $0.

Sinha, D. (2004–2007). *Statistical methods in Cardio-toxicity Studies of AIDS Patients*. Funded by National Institute of Health. (R01 AI060373-01A1). Total award $0.

Sinha, D. (2004–2007). *Role of ETS Genes in Transformation and Differentiation*. Funded by National Cancer Institute. (P01 CA78582). Total award $0.

Service for the Last Five Years

Florida State University

FSU University Service

Member, Council on Research and Creativity, Florida State University (2008–present).

FSU Department Service

Member, Faculty Evaluation and Salary Increase Committee (2008–present).

Member, Promotion and Tenure Committee (2008–present).

Member, Executive Committee (2008–present).

The Profession

Editor for Refereed Journals

Associate Editor, *Biometrics* (2008–present).

Journal of the American Statistical Association, *Associate Editor* (2005–present).

Editorial Board Member, *Lifetime Data Analysis* (1999–present).

Editorial board member, *Statistics & Probability Letters* (1999–present).

Reviewer or Panelist for Grant Applications

Healthcare Delivery and Methodologies Competing Revisions Special Emphasis Panel (NIH) (2009–present).

Biostatistical Methods and Research Design (BMRD) Study Section, National Institute of Health (2007–present).

2006/05 NSD-K Panel (National Int. of Neurological Disorders and Stroke) (2006–present).

Service to Other Universities

Member of the Steering Committee, *MUSC BYBBR Biostatistics Training Program (sponsored by NIH)* (2004–2007).

Chair: Biostatistics Faculty Recruitment Committee, *Dept. of Biostatistics & Epidemiology,*

MUSC (2002–present).

Chair: Library Committee, *Dept. of Biostatistics & Epidemiology, MUSC* (2001–present).

Member, *Protocol Review Committee, Hollings Cancer Center, MUSC* (2000–2007).

Member: Library Committee, *Dept. of Biostatistics & Epidemiology, MUSC* (2000–present).

Member: Seminar Committee, *Dept. of Biostatistics & Epidemiology, MUSC* (2000–present).

Member: Biostatistics Faculty Recruitment Committee, *Dept. of Biostatistics & Epidemiology, MUSC* (2000–present).

Member: MUSC Hollings Cancer Center Clinical Review Committee, *MUSC* (1999–present).

Service to the Community

Representative of Council of Sections, American Statistical Association: Section on BAYESIAN STATISTICAL SCIENCE (SBSS) (2009–present).

Program Committee Member, International Indian Statistical Association (2007–2009).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 28, 2012

Department: Statistics

Name: Yiyuan She

Professional Preparation (Highest Degree Only)

2008   Doctor of Philosophy, Stanford University. Major: Statistics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA5168	Statistics in Applications III	14	100
Spring 2012	STA6468	Advanced Topics in Probability and Statistics	14	100
Fall 2011	STA5168	Statistics in Applications III	16	100
Spring 2011	STA4321	Introduction to Mathematical Statistics	51	100
Spring 2011	STA5323	Introduction to Mathematical Statistics	4	100
Fall 2010	STA5168	Statistics in Applications III	5	100
Spring 2010	STA4321	Introduction to Mathematical Statistics	37	100
Spring 2010	STA5323	Introduction to Mathematical Statistics	4	100
Fall 2009	STA4502	Applied Nonparametric Statistics	4	100
Fall 2009	STA5507	Applied Nonparametric Statistics	4	100
Spring 2009	STA4442	Introductory Probability I	30	100
Spring 2009	STA5440	Introductory Probability I	4	100
Fall 2008	STA5172	Statistics for Epidemiology	23	40

Current Doctoral Student Supervisory Committees

Chair _____   Member _____
    Ha, Seungyeon   Tang, Yuanyuan

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

Geis, Jennifer A.

Current Master's Student Supervisory Committees

No current master's student committees.

Master's students who have graduated in the last five years for whom you were supervisory committee chair:

Galvis, Oliver K.

Research and Original Creative Work for the Last Five Years

Publications

<u>Refereed Journal Articles</u>

She, Y. (in press). Reduced Rank Vector Generalized Linear Models for Feature Extraction. *Statistics and Its Interface*.

She, Y., Bunea, F., & Wegkamp, M. (in press). Joint variable and rank selection for parsimonious estimation of high dimensional matrices. *Annals of Statistics*.

She, Y. (2012). An Iterative Algorithm for Fitting Nonconvex Penalized Generalized Linear Models with Grouped Predictors. *Computational Statistics \& Data Analysis*, 2976-2990.

She, Y. (2011). Outlier Detection Using Nonconvex Penalized Regressions. *Journal of the American Statistical Association*, 626-639.

She, Y., Bunea, F., Ombao, H., Gongvatana, A., Devlin, K., & Cohen, R. (2011). Penalized Least Squares Regression Methods and Applications to Neuroimaging. *NeuroImage*, 1519-1527.

She, Y., Bunea, F., & Wegkamp, M. (2011). Optimal Selection of Reduced Rank Estimators of High-dimensional Matrices. *Annals of Statistics*, 1282-1309.

She, Y. (2010). Sparse Regression with Exact Clustering. *Electronic Journal of Statistics*, 1055-1096.

She, Y. (2009). Thresholding-based Iterative Selection Procedures for Model Selection and Shrinkage. *Electronic Journal of Statistics*, 384-415.

She, Y. (2009). Resolving Deconvolution Ambiguity in Gene Alternative Splicing. *BMC*

Bioinformatics, 10:237.

Refereed Proceedings

She, Y. (2010). Approximating Higher-Order Distances Using Random Projections. In *Proceedings of the 26th Annual Conference on Uncertainty in Artificial Intelligence*. Catalina Island, CA.

Presentations

Invited Presentations at Conferences

She, Y. (presented 2012). *Joint variable and rank selection for parsimonious estimation of high dimensional matrices*. Presentation at ASA's Section on Statistical Learning and Data Mining, ASA, Ann Arbor. (International)

She, Y. (presented 2011). *Outlier Detection Using Nonconvex Penalized Regressions*. Presentation at International Conference on Robust Statistics, IMS, ASA, Valladolid, Spain. (International)

She, Y. (presented 2011). *Selectable Reduced Rank Analysis*. Presentation at IMS-China International Conference on Statistics and Probability, IMS, XiAn, China. (International)

She, Y. (presented 2009). *Thresholding-based Iterative Selection Procedures for Model Shrinkage and Selection*. Presentation at International Conference on Financial Statistics and Financial Econometrics, IMS, Chengdu, China. (International)

She, Y. (presented 2008). *Sparse Regression with Exact Clustering*. Presentation at WNAR/IMS Meeting, IMS, UC Davis, California. (National)

Invited Lectures and Readings of Original Work

She, Y. (2012). *Multivariate Generalized Linear Models Through Additive Over-parametrization with Shrinkage*. Delivered at School of Statistics, University of Minnesota. (Local)

She, Y. (2012). *Selectable Principle Component Analsysis*. Delivered at School of Mathematics, Georgia Institute of Technology. (Local)

She, Y. (2012). *Joint variable and rank selection for parsimonious estimation of high dimensional matrices*. Delivered at Department of Statistics, University of Florida. (Local)

She, Y. (2012). *Selectable Reduced Rank Modeling with Applications*. Delivered at Department

of Epidemiology \& Public Health, University of Miami. (Local)

She, Y. (2011). *Joint variable and rank selection for parsimonious estimation of high dimensional matrices*. Delivered at Department of Statistics, Cornell University. (Local)

She, Y. (2010). *Reduced Rank Modeling for Multivariate High-dimensional data*. Delivered at Department of Electrical & Computer Engineering, University of Florida. (Local)

She, Y. (2010). *Optimal selection of reduced rank estimators of high-dimensional matrices*. Delivered at Department of Electrical & Computer Engineering, University of Florida. (Local)

She, Y. (2009). *Thresholding-based Iterative Selection Procedures for Model Selection and Shrinkage*. Delivered at Department of Statistics, Cornell University. (Local)

She, Y. (2009). *Outlier Detection, Masking \& Swamping, and Soft/Hard-Thresholding*. Delivered at he 50th Anniversary Celebration of FSU's Statistics Department. (Local)

She, Y. (2009). *Robust Classification with Joint Outlier Detection for High-dimensional Data*. Delivered at Department of Electrical & Computer Engineering, University of Florida. (Local)

She, Y. (2009). *Sparse Regressions with Applications*. Delivered at Department of Biological Science, Florida State University. (Local)

Contracts and Grants

Contracts and Grants Funded

She, Yiyuan (PI). (Jul 2011–Jun 2014). *CIF: Small: Collaborative Research: Compressed Sensing F*. Funded by National Science Foundation. (1116447). Total award $251,000.

She, Y. (2011–2011). *Faculty Travel Grant*. Funded by FSU. Total award $600.

She, Y. (2010–2011). *Committee on Faculty Research Support Award*. Funded by FSU. Total award $14,000.

She, Y. (2009–2010). *First Year Assistant Professor Award*. Funded by FSU. Total award $17,000.

Reviews of My Research and Original Creative Work by Other Authors

<u>Reviews Appearing in Magazines or Newsletters</u>

AMSTATNEWS editors. (2011, August). JASA HIGHLIGHTS: June JASA Addresses Topics from Malaria Modeling to Outlier Detection. *Outlier Detection Using Nonconvex Penalized Regressions*, 7-9. Retrieved from http://magazine.amstat.org/wp-content/uploads/2011an/August2011.pdf

Service for the Last Five Years

Florida State University

<u>FSU Department Service</u>

Chair and Organizer, Statistics Colloquium (2011–present).

Co-Director, Undergraduate Co-Director (2011–present).

The Profession

<u>Guest Reviewer for Refereed Journals</u>

Journal of the American Statistical Association (2008–present).

BMC Bioinformatics (2008–present).

Journal of Multivariate Analysis (2008–present).

Biometrics (2008–present).

IEEE Transactions on Image Processing (2008–present).

Pattern Recognition (2008–present).

Mathematical Reviews (2008–present).

Journal of the Royal Statistical Society (2008–present).

Computational Statistics \& Data Analysis (2008–present).

Biometrical Journal (2008–present).

Statistics and Its Interface (2008–present).

Statistical Analysis and Data Mining (2008–present).

Annals Of Applied Statistics (2008–present).

Biometrika (2008–present).

Statistica Sinica (2008–present).

Statistical Science (2008–present).

Annals of Statistics (2008–present).

Electronic Journal of Statistics (2008–present).

Journal of Machine Learning Research (2008–present).

Reviewer or Panelist for Grant Applications

National Science Foundation (2010–present).

NSA Mathematical Sciences Grant Program (2009–present).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 20, 2012

Department: Statistics

Name: Steven W Ramsier

Professional Preparation (Highest Degree Only)

1989   Ph.D., Clemson University, Clemson, SC. Major: Mathematical Sciences.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Summer 2012	STA1013	Statistics through Example	2	100
Summer 2012	STA4664	Statistics for Quality and Productivity	23	100
Summer 2012	STA5666	Statistics for Quality and Productivity	2	100
Summer 2012	STA5666	Statistics for Quality and Productivity	2	100
Summer 2012	STA5940	Supervised Consulting	1	100
Summer 2012	STA5940	Supervised Consulting	1	100
Spring 2012	STA3024	Sas For Data And Statistical Analysis	23	100
Spring 2012	STA4202	Analysis of Variance and Design of Experiments	29	100
Spring 2012	STA4930	Selected Topics in Statistics, Probability or Operations Research	1	100
Spring 2012	STA5206	Analysis of Variance and Design of Experiments	6	100
Fall 2011	STA3024	Sas For Data And Statistical Analysis	31	100
Fall 2011	STA3032	Applied Statistics for Engineers and Scientists	52	100
Summer 2011	STA1013	Statistics through Example	4	100
Summer 2011	STA4930	Selected Topics in Statistics, Probability or Operations Research	4	100
Summer 2011	STA4930	Selected Topics in Statistics, Probability or Operations Research	7	100
Spring 2011	STA3024	Sas For Data And Statistical Analysis	24	100
Spring 2011	STA4202	Analysis of Variance and Design of Experiments	28	100

Spring 2011	STA5206	Analysis of Variance and Design of Experiments	5	100
Fall 2010	STA3024	Sas For Data And Statistical Analysis	36	100
Summer 2010	STA4664	Statistics for Quality and Productivity	8	100
Summer 2010	STA4930	Selected Topics in Statistics, Probability or Operations Research	1	100
Summer 2010	STA4930	Selected Topics in Statistics, Probability or Operations Research	1	100
Summer 2010	STA4930	Selected Topics in Statistics, Probability or Operations Research	1	100
Summer 2010	STA5666	Statistics for Quality and Productivity	9	100
Summer 2010	STA5666	Statistics for Quality and Productivity	2	100
Spring 2010	STA1013	Statistics through Example	57	67
Spring 2010	STA1013	Statistics through Example	60	100
Spring 2010	STA1013	Statistics through Example	56	67
Spring 2010	STA3024	Sas For Data And Statistical Analysis	19	100
Spring 2010	STA4202	Analysis of Variance and Design of Experiments	14	100
Spring 2010	STA5206	Analysis of Variance and Design of Experiments	10	100
Fall 2009	STA1013	Statistics through Example	49	67
Fall 2009	STA1013	Statistics through Example	59	67
Fall 2009	STA1013	Statistics through Example	57	67
Fall 2009	STA3024	Sas For Data And Statistical Analysis	13	100
Summer 2009	STA4202	Analysis of Variance and Design of Experiments	5	100
Summer 2009	STA5206	Analysis of Variance and Design of Experiments	4	100
Summer 2009	STA5206	Analysis of Variance and Design of Experiments	1	100
Summer 2009	STA5206	Analysis of Variance and Design of Experiments	1	100
Fall 2008	STA1013	Statistics through Example	37	67
Fall 2008	STA1013	Statistics through Example	38	67
Fall 2008	STA1013	Statistics through Example	48	67
Fall 2008	STA1013	Statistics through Example	50	67
Fall 2008	STA4930	Selected Topics in Statistics, Probability or Operations Research	1	100
Fall 2008	STA5934	Selected Topics in Statistics, Probability, or Operations Research	11	100
Fall 2008	STA5940	Supervised Consulting	1	100
Summer 2008	STA4930	Selected Topics in Statistics, Probability or Operations Research	2	100
Spring 2008	STA1013	Statistics through Example	40	67
Spring 2008	STA1013	Statistics through Example	40	67

Spring 2008	STA1013	Statistics through Example	38	67
Spring 2008	STA1013	Statistics through Example	62	67
Spring 2008	STA2023	Fundamental Business Statistics	27	67
Spring 2008	STA2023	Fundamental Business Statistics	30	67
Spring 2008	STA2023	Fundamental Business Statistics	29	67
Spring 2008	STA2023	Fundamental Business Statistics	30	67
Spring 2008	STA2023	Fundamental Business Statistics	28	67
Spring 2008	STA2023	Fundamental Business Statistics	27	67
Spring 2008	STA4202	Analysis of Variance and Design of Experiments	14	100
Spring 2008	STA5206	Analysis of Variance and Design of Experiments	14	100
Spring 2008	STA5940	Supervised Consulting	1	100
Fall 2007	STA1013	Statistics through Example	39	67
Fall 2007	STA1013	Statistics through Example	48	67
Fall 2007	STA1013	Statistics through Example	48	67
Fall 2007	STA1013	Statistics through Example	46	67
Fall 2007	STA2023	Fundamental Business Statistics	29	67
Fall 2007	STA2023	Fundamental Business Statistics	33	67
Fall 2007	STA2023	Fundamental Business Statistics	34	67
Fall 2007	STA2023	Fundamental Business Statistics	25	67
Fall 2007	STA2023	Fundamental Business Statistics	25	100
Fall 2007	STA4930	Selected Topics in Statistics, Probability or Operations Research	7	100
Fall 2007	STA5934	Selected Topics in Statistics, Probability, or Operations Research	1	100
Fall 2007	STA5934	Selected Topics in Statistics, Probability, or Operations Research	14	100
Fall 2007	STA5940	Supervised Consulting	2	100

Current Doctoral Student Supervisory Committees

No current doctoral student committees.   No doctoral students who have graduated in the last five years for whom you were supervisory committee chair.

Current Master's Student Supervisory Committees

No current master's student committees.   No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Contracts and Grants

<u>Contracts and Grants Funded</u>

Ramsier, S. W., & Rohani, F. (2010–2011). *"Certification/Validation of the Use of AB&T
    Lottery Software in Random Selection of Applicants for County Quota Licenses*. Funded
    by Florida Department of Business and Professional Regulation. Total award $14,485.

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 23, 2012

Department: Statistics

Name: Victor Patrangenaru

Professional Preparation (Highest Degree Only)

1997   1. Ph.D. 2. Ph.D., 1. Indiana University Bloomington. 2. Haifa University, Israel.
          Major: Mathematics. 1. Statistics 2. Differential Geometry(1993).

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Spring 2012	STA4702	Applied Multivariate Analysis	5	100
Spring 2012	STA5327	Statistical Inference	15	100
Spring 2012	STA5707	Applied Multivariate Analysis	5	100
Fall 2011	STA5326	Distribution Theory and Inference	35	100
Spring 2011	STA2171	Statistics For Biology	27	67
Spring 2011	STA4702	Applied Multivariate Analysis	3	100
Spring 2011	STA5707	Applied Multivariate Analysis	5	100
Spring 2011	STA6448	Advanced Probability and Inference II	4	100
Spring 2010	STA5208	Linear Statistical Models	2	100
Spring 2010	STA5334	Limit Theory of Statistics	6	100
Fall 2009	STA4702	Applied Multivariate Analysis	1	100
Fall 2009	STA5707	Applied Multivariate Analysis	13	100
Spring 2009	STA5208	Linear Statistical Models	7	100
Fall 2008	STA4702	Applied Multivariate Analysis	1	100
Fall 2008	STA5334	Limit Theory of Statistics	7	100
Fall 2008	STA5707	Applied Multivariate Analysis	3	100
Summer 2008	STA4321	Introduction to Mathematical Statistics	3	100
Summer 2008	STA5323	Introduction to Mathematical Statistics	1	100
Spring 2008	STA6246	Advanced Topics in Applied Statistics	16	100
Fall 2007	STA4321	Introduction to Mathematical Statistics	32	100
Fall 2007	STA5323	Introduction to Mathematical Statistics	1	100
Fall 2007	STA5707	Applied Multivariate Analysis	10	100

Current Doctoral Student Supervisory Committees

University Representative
    Bates, Jonathan R.
    Martinez-Vega, Rafael

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

    Crane, Michael A.
    Ellingson, Leif A.
    Osborne, Daniel E.

Current Master's Student Supervisory Committees

No current master's student committees.   No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Program of Research and/or Focus of Original Creative Work

Object Data Analysis is the most inclusive type of Data Analysis. Objects are described as points on certain spaces. Of particular insterest is the case when the sample space is a manifold, a case when the Central Limit Theorem for sample means can be described in terms of an asymptotic statistic on the tangent space at the population mean of that manifold. That is one of the techniques of Nonparametric Statistics on Manifolds. This leads to Applications of Statistics and Differential Geometry in Medical Imaging, Proteomics, Phylogenetics and Pattern Recognition. In fact most of the data known to these days can be modeled and analyzed on a Stratified Space.

Publications

Refereed Journal Articles

Buibas, V., Patrangenaru, V., & Qiu, M. (submitted). Two Sample Tests for Mean 3D Projective Shapes from Digital Camera Images. *Methodology and Computing in Applied Probability*. Manuscript submitted for publication.

Ellingson, L., Groisser, D., Osborne, D., Patrangenaru, V., & Schwartzman, A. (submitted). Nonparametric Bootstrap of Sample Means of Positive-definite Matrices with an Application to Diffusion Tensor Imaging Data Analysis. *Journal of Statistical Planning and Inference*. Manuscript submitted for publication.

Ellingson, L., Patrangenaru, V., & Ruymgaart, F. H. (submitted). Nonparametric Estimation of

Means on Hilbert Manifolds and Extrinsic Analysis of Mean Shapes of Contours. *Annals of Statistics*. Manuscript submitted for publication.

Hotz, T., Hucheman, S., Le, H., Marron, J. S., Mattingly, J. C., Miller, E., Nolen, J., Owen, M., Patrangenaru, V., & Skwerer, S. (submitted). Sticky Central Limit Theorems on Open Books. *Annals of Applied Probability*. Manuscript submitted for publication.

Osborne, D., & Patrangenaru, V. (submitted). Nonparametric Two-Sample Tests on Homogeneous Riemannian Manifolds, Cholesky Decompositions and Dyslexia Detection from Diffusion Tensor Imaging Outputs. *Journal of Multivariate Analysis*. Manuscript submitted for publication.

Bhattacharya, R. N., Ellingson, L., Liu, X., Patrangenaru, V., & Crane, M. (2012). Extrinsic Analysis on Manifolds is Computationally Faster than Intrinsic Analysis, with Applications to Quality Control by Machine Vision. *Applied Stochastic Models in Business and Industry*, *28*, 222-235.

Crane, M., & Patrangenaru, V. (2011). Random Change on a Lie Group and Mean Glaucomatous Projective Shape Change Detection From Stereo Pair Images. *Journal of Multivariate Analysis*, *102*, 225-237.

Amaral, G. J. A., Dryden, I. L., Patrangenaru, V., & Wood, A. T. A. (2010). Bootstrap confidence regions for the planar mean shape. *Journal of Statistical Planning and Inference*, *140*, 3026-3034.

Patrangenaru, V. (2010). DISCUSSION: ``Intrinsic Shape Analysis: Geodesic PCA For Riemannian Manifolds Modulo Isometric Lie Group Actions" by Huckemann, Munk and Hotz. *Statistica Sinica*, *20*, 79-83.

Patrangenaru, V., Liu, X., & Sugathadasa, S. (2010). Nonparametric 3D Projective Shape Estimation from Pairs of 2D Images - I, In Memory of W.P. Dayawansa. *Journal of Multivariate Analysis*, *101*, 11-31.

Balan, V., Crane, M., Patrangenaru, V., & Liu, X. (2009). Projective shape manifolds and coplanarity of landmark configurations. A nonparametric approach. *Balkan Journal of Geometry and Its Applications*, *14*, 1-10.

Bandulasiri, A., Gunathilaka, A., Patrangenaru, V., Ruymgaart, F., & Thompson, H. W. (2009). Nonparametric Shape Analysis Methods in Glaucoma Detection. *International Journal of Statistical Sciences*, *9*, 135-149.

Kobelo, D., Patrangenaru, V., & Mussa, R. (2008). Safety Analysis of Florida Urban Limited Access Highways with Special Focus on the Influence of Truck Lane Restriction Policy. *Transportation Engineering*, *134*, 297-306.

Munk, A., Paige, R., Pang, J., Patrangenaru, V., & Ruymgaart, F. H. (2008). The One and

Multisample Problem for Functional Data with Applications to Projective Shape Analysis. *Journal of Multivariate Analysis*, *99*, 815-833.

Refereed Monographs

Patrangenaru, V., & Ellingson, L. A. (contract). *Nonparametric Statistics on Manifolds and Their Applications*. Manuscript under contract for publication, Chapman Hall/CRC, Monographs on Statistics and Applied Probability.

Refereed Proceedings

Bhattacharya, R. N., Buibas, M., Dryden, I. L., Groisser, D., Ellingson, L. A., Hendriks, H., Huckemann, S., Le, H., Liu, X., Marron, J. S., Osborne, D. E., Patrangenaru, V., Schwartzman, A., Thompson, H. W., & Wood, A. T. A. (in press). Extrinsic Data Analysis on Sample Spaces with a Manifold Stratification. In *Seventh Congress of Romanian Mathematicians, Brasov, Romania* (15 pages). Universitatea Transilvania Brasov, Romania.

Nonrefereed Proceedings

Buibas, M., Crane, M., Ellingson, L., & Patrangenaru, V. (2012). A Projective Frame Based Shape Analysis of a Rigid Scene from Noncalibrated Digital Camera Imaging Outputs. In *Joint Statistical Meetings 2011, Miami, FL* (pp. 4730--4744). Institute of Mathematical Statistics.

Osborne, D., Patrangenaru, V., Liu, X., & Thompson, H. W. (2012). 3D Size-and-Reflection Shape Analysis for Planning Reconstructive Surgery of the Skull. In *Joint Statistical Meetings, 2011, Miami, FL* (pp. 4838 - 4850). Section on Nonparametric Statistics.

Patrangenaru, V., Crane, M. A., Liu, X., Descombes, X., Derado, G., Liu, W., Balan, V., Patrangenaru, V. P., & Thompson, H. W. (2012). Methodology for 3D Scene Reconstruction from Digital Camera Images. In *International Conference of Differential Geometry and Dynamical Systems (DGDS-2011)* (pp. 110 - 124). Bucharest, Romania - BSG Proceedings 19.

Bandulasiri, A., Patrangenaru, V., Su, J., & Zhang, J. (2009). Applications of Nonparametric Statistics on Reflection Shape Manifolds and Reflection Size-and-Shape Manifolds. In *Joint Statistical Meetings 2008, Denver, CO* (pp. 2769 - 2776). ASA.

Nonrefereed Reports

Ellingson, L., Groisser, D., Osborne, D., Patrangenaru, V., & Schwartzman, A. (2012).

Nonparametric Bootstrap of Sample Means of Positive-Definite Matrices with an Application to Diffusion-Tensor-Imaging Data Analysis (Tech Report M1005). FSU, Department of Statistics. Tech Reports. Retrieved from http://www.stat.fsu.edu/techreports.php

Patrangenaru, V. et al. (2012). *Extrinsic Data Analysis on Sample Spaces with a Manifold Stratification* (Tech report M1003). FSU Statistics, Tech Reports. Retrieved from http://www.stat.fsu.edu/techreports.php

Osborne, D., & Patrangenaru, V. (2011). *Nonparametric Two-Sample Tests on Homogeneous Riemannian Manifolds, Cholesky Decompositions and Dyslexia Detection from Diffusion Tensor Imaging Outputs* (Tech report M1001). FSU Statistics, Tech Reports. Retrieved from http://www.stat.fsu.edu/techreports.php

Ellingson, L., Ruymgaart, F., & Patrangenaru, V. (2010). *Nonparametric Estimation for Extrinsic Mean Shapes of Planar Contours* (Technical Report M998). FSU Statistics, Tech Reports. Retrieved from http://www.stat.fsu.edu/techreports.php

Patrangenaru, V. (2009). *n Chapter Xii in Cartan's ``Lecons sur la Geometrie des Espaces de Riemann''*. arXiv.org. Retrieved from http://arxiv.org/abs/0904.1256v1

Patrangenaru, V., Liu, X., & Sugathadasa, S. (2008). *Nonparametric 3D Projective Shape Estimation from Pairs of 2D Images - I, In Memory of W.P. Dayawansa*. arXiv.org. Retrieved from http://arxiv.org/abs/0806.0899

Liu, X., Patrangenaru, V., & Sughatadasa, S. (2007). *Projective Shape Analysis for Noncalibrated Pinhole Camera Views. To the Memory of W.P. Dayawansa* (Technical Report M983). FSU Statistics, Tech Reports. Retrieved from http://www.stat.fsu.edu/techreports.php

Presentations

Nonrefereed Papers at Conferences

Groiser, D., Osborne, D., Patrangenaru, V., & Schwartzman, A. (presented 2011, May). *Data Analysis on Spaces of Positive Definite Matrices with an Application to Dyslexia Detection*. Paper presented at AOOD Program, SAMSI, Virtual. (National)

Ellingson, L., & Patrangenaru, V. (presented 2010, October). *Automatic Landmark Extraction for Planar Contours*. Paper presented at AOOD Program, SAMSI, Virtual. (International)

Patrangenaru, V., Huckemann, S., & Le, H. (presented 2010, October). *Hyperbolic Data Analysis*. Paper presented at AOOD Program, SAMSI, SAMSI, NC. (International)

Patrangenaru, V. (presented 2010, September). *Data Analysis on Spaces with a Manifold*

Stratification and Applications. Paper presented at AOOD Program, SAMSI, Radisson in the Research Triangle, NC. (International)

Invited Keynote and Plenary Presentations at Conferences

Patrangenaru, V. (presented 2011, August). *Data Analysis on Sample Spaces with a Manifold Stratification*. Plenary presentation at Nonparametrics and Geometry, Charles University, Prague, The Czech Republic. (International)

Patrangenaru, V. (presented 2010, June). *Statistics on Manifolds, key to Modern Data Analysis*. Keynote presentation at Summer Research Conference, SRCOS, Virginia Beach, VA. (International)

Invited Presentations at Conferences

Patrangenaru, V., Qiu, M., & Biubas, M. (presented 2012, June). *Two Sample Tests for 3D projective Shapes from Digital Camera Images*. Presentation at $7\{th\}$ *International Conference on Stereology, Spatial Statistics and Stochastic Geometry*, Charles University in Prague, Prague, Chech Republic. (International)

Patrangenaru, V., San Valentin, P., Ellingson, L. A., Marron, J. S., & Miller, E. (presented 2012, June). *CLT on One Dimensional Stratified Spaces*. Presentation at First Conference of the International Society for NonParametric Statistics, International Society for NonParametric Statistics, Chalkidiki, Greece. (International)

Patrangenaru, V., Ellingson, L., & Osborne, D. (presented 2011, July). *Analysis of Object Data is Data Analysis on Sample Spaces with a Manifold Stratification*. Presentation at 7th CRM, University Transilvania, Brasov, Romania. (International)

Patrangenaru, V. (presented 2010, July). *Methodology for 3D Scene Reconstruction from Digital Camera Images*. Presentation at International Society for Business and Industrial Statistics Conference, International Society for Business and Industrial Statistics, Portoroz, Slovenia. (International)

Patrangenaru, V. (presented 2010, July). *Extrinsic Analysis on Manifolds is Computationally Faster than Intrinsic Analysis, with Examples from Shape and Image Analysis*. Presentation at International Society for Business and Industrial Statistics Conference, International Society for Business and Industrial Statistics, Portoroz, Slovenia. (International)

Patrangenaru, V. (presented 2008, June). *Nonparametric Analysis of Projective Shapes with Applications to Scene Recognition*. Presentation at Modern Semiparametric Methods in Action, SRCOS, Charleston, South Carolina. (International)

Patrangenaru, V. (presented 2008, May). *Nonparametric Estimation of Projective Shapes of 3D Scenes from Bilateral Views*. Presentation at The 2008 Joint Meeting of the Statistical Society of Canada and the Societe Francaise de Statistique, SFdS, Ottawa, Canada. (International)

Invited Presentations at Symposia

Patrangenaru, V. (presented 2009, May). Asymptotic Statistics on Manifolds and Applications. In *New Directions in Asymptotic Statistics*. Presentation at the meeting of University of Georgia, Athens, GA. (International)

Nonrefereed Presentations at Conferences

Ellingson, L., & Patrangenaru, V. (presented 2010, September). *Computational Advantages of Extrinsic Analysis on Manifolds over Intrinsic Analysis on Manifolds*. Poster presentation at AOOD Opening Workshop, SAMSI, Radisson in the Research Triangle, NC. (International)

Osborne, D., Patrangenaru, V., Liu, X., & Thompson, H. W. (presented 2010, September). *Virtual Skull Extraction from CT-Scans for Reconstructive Surgery*. Poster presentation at AOOD Opening Workshop, SAMSI, NC, Radisson in the Reseach Triangle, NC. (International)

Patrangenaru, V. (presented 2008). *Applications of Nonparametric Statistics on Size-and-Shape Manifold*. Presentation at Joint Statistical Meetings, ASA, Denver, CO. (International)

Invited Workshops

Patrangenaru, V., & Ellingson, L. (2011, June). *Analysis of Object Data is Data Analysis on Sample Spaces with a Manifold Stratification*. Workshop delivered at SAMSI AOD Transition Workshop, SAMSI. (International)

Patrangenaru, V. (2010, September). *Working Group Extrinsic Data Analysis on Spaces that admit a Manifold Stratification*. Workshop delivered at SAMSI AOOD Opening Workshop, SAMSI. (International)

Patrangenaru, V. (2009, March). *Statistical Analysis on Manifolds with Applications in Bioinformatics and Medical Imaging*. Workshop delivered at Data Analysis using Computational Topology and Geometric Statistics, Banff, Canada. (International)

Invited Lectures and Readings of Original Work

Patrangenaru, V. (2012, August). *Geometro-Statistical Methods in Medical Imaging*. Delivered at University Politehnica, Bucuresti, Romania. (Local)

Patrangenaru, V. (2012, April). *Diffusion Tensor Imaging*. Delivered at Seminar of Shape Analysis, University of North Carolina, University of North Carolina, Computer Science Department. (Local)

Patrangenaru, V. (2011, September). *Object Data Analysis*. Delivered at Florida State University, Department of Statistics. (Local)

Patrangenaru, V. (2011, February). *Statistical Analysis of Object Data*. Delivered at University of South Carolina, Columbia, SC. (State)

Patrangenaru, V. (2009, October). *Nonparametric Statistical Analysis on Manifolds*. Delivered at University of California Davis. (State)

Patrangenaru, V. (2009, March). *Asymptotic Statistics, Nonparametric Bootstrap on Manifolds and Applications*. Delivered at University of Maryland Baltimore County. (Local)

Patrangenaru, V. (2008, October). *Statistical Applications of Size-and-Shape to Proteomics and Medical Imaging*. Delivered at LSUHSC School of Public Health - Section of Biostatistics, New Orleans. (State)

Patrangenaru, V. (2008, March). *Central Limit Theorems on Manifolds with Applications to Image Analysis*. Delivered at Transilvania University, Brasov, Romania. (Local)

Patrangenaru, V. (2007, September). *Nonparametric Estimation of Projective Shapes of 3D Scenes from Bilateral Views*. Delivered at Institute of Mathematical Stochastics, Georgia Augusta University, Goettingen, Germany. (Local)

Contracts and Grants

Contracts and Grants Funded

Patrangenaru, V. (Jul 2011–Jun 2014). *Collaborative Research: New Directions in Nonparametric*. Funded by National Science Foundation. (1106935). Total award $93,856.

Patrangenaru, V. (Jul 2008–Sep 2012). *Collaborative Research: Nonparametric Theory on Manifold*. Funded by National Science Foundation. (0805977). Total award $132,000.

Patrangenaru, Victor (PI). (Apr 2008–Apr 2010). *Statistical Analysis on Manifolds and 3D Surface*. Funded by National Security Agency. (H98230-08-1-0058). Total award

$61,079.

Patrangenaru, Victor (PI). (Aug 2006–Aug 2007). *Collaborative Research: Statistical Analysis On Manifold*. Funded by National Science Foundation. (0652353). Total award $15,277.

Reviews of My Research and Original Creative Work by Other Authors

Reviews Appearing on a Web Site

Amaral, G. J. A., Dryden, I. L., Patrangenaru, V., & Wood, A. T. A. (2011). MR2659834. *http://www.ams.org/mathscinet*.

Bandulasiri, A., Bhattacharya, R. N., & Patrangenaru, V. (2011). MR2543073. *http://www.ams.org/mathscinet*.

Crane, M., & Patrangenaru, V. (2011). MR2739111. *MathScinet*.

Patrangenaru, V., Liu, X., & Sugathadasa, S. (2011). MR2557615. *http://www.ams.org/mathscinet*.

Balan, V., Crane, M., Patrangenaru, V., & Liu, X. (2010). MR2539654. *http://www.ams.org/mathscinet*.

Balan, V., & Patrangenaru, V. (2009). MR2278312. *http://www.ams.org/mathscinet*.

Munk, A., Paige, R., Pang, J., Patrangenaru, V., & Ruymgaart, F. (2009). MR2405093. *http://www.ams.org/mathscinet*.

Bhattacharya, R., & Patrangenaru, V. (2007). MR2195634. *http://www.ams.org/mathscinet*.

Mardia, K. V., & Patrangenaru, V. (2007). MR2166559. *http://www.ams.org/mathscinet*.

Service for the Last Five Years

Florida State University

FSU University Service

Peer-Reviewer, COFRS -FSU (2008–2009).

FSU Department Service

Chairperson, Student Awards Committee (2011–present).

Member, Academic Affairs Committee (2008–2011).

Member, Graduate Committee (2006–2008).

The Profession

Editorial Board Membership(s)

ISRN Probability and Statistics (2012–present).

Differential Geometry - Dynamical Systems (2003–present).

Applied Sciences (2000–present).

Guest Reviewer for Refereed Journals

Journal of the Korean Statistical Society (2012–present).

IEEE Transactions on Information Theory (2011–present).

Journal of Computational and Graphical Statistics (2009–present).

Electronic Journal of Statistics (2009–present).

Journal of Royal Statistical Society (2008–present).

Sankhya (2008–present).

Statistica Sinica (2007–present).

Test (2006–present).

Journal of The American Statistical Association (2006–present).

Biometrika (2006–present).

Annals of Statistics (2005–present).

IEEE Transactions on Signal Processing (2005–present).

Journal of Statistical Planning and Inference (2004–present).

Journal of Mathematical Imaging and Vision (2004–present).

Classical Quantum Gravity (2004–present).

IEEE Transactions on Pattern Analysis and Machine Intelligence (2004–present).

Statistics and Probability Letters (2004–present).

Journal of Multivariate Analysis (2003–present).

Reviews in Mathematical Physics (2003–present).

Stochastic Environmental Research and Risk Assessment Journal (2003–present).

Transactions of the American Mathematical Society (1996–present).

Reviewer or Panelist for Grant Applications

National Science Foundation (2012–present).

National Science Engineering Research Council of Canada (2007–present).

Israel Science Foundation (2005–present).

Service to Professional Associations

Member of the Organizing Committee of the Workshop on Probability, Combinatorics and Geometry in Bio, Mathematics and Biology Institute (2011–2012).

Organiser of Conference Session, International Society for Nonparametric Statistics (2011–2012).

Member of the International Scientific Committee of the Workshop on Nonparametrics and Geometry, Charles University, Prague (2010–2011).

Group Leader AoOD Program, SAMSI (2010–2011).

Chair of Session 1, Annual Meeting, Tallahassee, Florida, The Florida Chapter of the American Statistical Association (2010).

Contributed Session Organizer: Nonparametric Statistics on Manifolds and their Applications, Joint Statistical Meetings, Denver, Colorado (2007–2008).

Session Organizer and Session Chair: Nonparametric Statistics on Manifolds and their Applications, Univ. of South Carolina, Columbia, SC (2007).

Additional Service Not Reported Elsewhere

Patrangenaru, V. (1995–2012). Reviewer for Mathematical Reviews, the main publication worldwide that posts reviews of published papers in Mathematical Sciences (including Statistics). American Mathematical Society.

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 29, 2012

Department: Statistics

Name: Debdeep Pati

Professional Preparation (Highest Degree Only)

2012   Ph.D., Duke University, Durham, NC. Major: Statistics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA4442	Introductory Probability I	45	100
Fall 2012	STA5440	Introductory Probability I	4	100

Current Doctoral Student Supervisory Committees

No current doctoral student committees.   No doctoral students who have graduated in the last five years for whom you were supervisory committee chair.

Current Master's Student Supervisory Committees

No current master's student committees.   No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Publications

Refereed Journal Articles

Bhattacharya, A., Pati, D., & Dunson, D. B. (submitted). Adaptive dimension reduction using Gaussian process priors. *Annals of Statistics*. Manuscript submitted for publication.

Gu, K., & Pati, D. (submitted). Bayesian hierarchical shape modeling. *Journal of the American Statistical Association*. Manuscript submitted for publication.

Pati, D., Bhattacharya, A., & Dunson, D. B. (submitted). Posterior rates of contraction in non-linear latent variable density estimation models. *Electronic Journal of Statistics*. Manuscript submitted for publication.

Pati, D., Bhattacharya, A., & Pillai, N. S. (submitted). Posterior contraction in sparse Bayesian factor models for massive covariance matrices. *Annals of Statistics*. Manuscript submitted for publication.

Pati, D., Tokdar, S. T., & Dunson, D. B. (submitted). Posterior consistency in conditional distribution estimation. *Journal of Multivariate Anaysis*. Manuscript submitted for publication.

Pati, D., & Dunson, D. B. (submitted). Bayesian _fitting of closed surfaces through tensor products. *Biometrika*. Manuscript submitted for publication.

Pati, D., & Dunson, D. B. (in press). Bayesian nonparametric regression with varying residual density. *The Annals of the Institute of Statistical Mathematics*.

Pati, D., Reich, B. J., & Dunson, D. B. (2011). Bayesian geostatistical modeling with informative sampling locations. *Biometrika*, *98(1)*, 35-48. doi:10.1093/biomet/asq067

Presentations

Invited Papers at Conferences

Pati, D. (presented 2011, April). *Bayesian closed surface fitting through tensor products*. Paper presented at IISA Conference on Probability, Statistics, and Data Analysis, International Indian Statistical Association. (National)

Pati, D. (presented 2010, December). *Posterior consistency in conditional distribution estimation*. Paper presented at Session on Bayesian nonparametrics, 3rd ERCIM WG Conference on Computing & Statistics, London, ERCIM WG, London. (International)

Pati, D. (presented 2010, June). *Nonparametric Bayes mean regression and conditional density estimation: theory & some applications*. Paper presented at Carlo Alberto Stochastics Workshop, Carlo Alberto Stochastics Workshop, Moncalieri, Italy. (International)

Invited Lectures and Readings of Original Work

Pati, D. (2013, January). *Posterior contraction in sparse Bayesian factor models for massive covariance matrices*. Delivered at ISBA Regional Meeting, Varanasi, India.

(International)

Pati, D. (2012, December). *On shrinkage priors favoring sparsity in high-dimensions*. Delivered at Eighth International Triennial Calcutta Symposium. (International)

Pati, D. (2012, October). *On shrinkage priors favoring sparsity in high dimensions*. Delivered at Fox School of Business, Temple University, Philadelphia. (Local)

Pati, D. (2012, March). *Nonparametric Bayesian learning of low dimensional structure in higher dimensional data, Pennsylvania*. Delivered at Wharton Statistics Department. (Local)

Pati, D. (2012, February). *Nonparametric Bayesian learning of low dimensional structure in higher dimensional data*. Delivered at FSU Department of Statistics. (Local)

Pati, D. (2012, January). *Nonparametric Bayesian learning of low dimensional structure in higher dimensional data*. Delivered at University of Florida Statistics Department. (Local)

Pati, D. (2012, January). *Nonparametric Bayesian learning of low dimensional structure in higher dimensional data*. Delivered at Duke University, Department of Mathematics, Durham, NC. (Local)

Pati, D. (2012, January). *Nonparametric Bayesian learning of low dimensional structure in higher dimensional data*. Delivered at University of Chicago Statistics Department, Chicago, IL. (Local)

Pati, D. (2011, June). *Hierarchical modeling of closed surfaces, SAMSI transition workshop*. Delivered at SAMSI. (National)

Service for the Last Five Years

Florida State University

FSU Department Service

Standing responsibility, Fall picnic Organizer (2012–2013).

Standing responsibility, Wilcoxon Room and Dirac Library Book Orders (2012–2013).

The Profession

Service to Professional Associations

Organizer of an Invited Session on "Bayesian asymptotics in big models", Joint Statistical

Meetings, Montreal, 2013 (2012–2013).

Additional Service Not Reported Elsewhere

Pati, D. (2012). Session Chair at Joint Statistical Meetings, San Diego, CA. American Statistical Association.

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 28, 2012

Department: Statistics

Name: Xu-Feng Niu

Professional Preparation (Highest Degree Only)

1991   Ph.D., University Of Chicago, Chicago, IL. Major: Statistics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA5166	Statistics in Applications I	23	100
Spring 2012	STA5167	Statistics in Applications II	19	100
Fall 2011	STA5166	Statistics in Applications I	21	100
Spring 2011	STA4853	Time Series and Forecasting Methods	30	100
Spring 2011	STA5167	Statistics in Applications II	18	100
Spring 2011	STA5856	Time Series and Forecasting Methods	17	100
Fall 2010	STA5166	Statistics in Applications I	19	100
Spring 2010	STA5167	Statistics in Applications II	15	100
Fall 2009	STA5166	Statistics in Applications I	18	100
Fall 2009	STA5168	Statistics in Applications III	8	100
Spring 2009	STA5167	Statistics in Applications II	7	100
Fall 2008	STA5166	Statistics in Applications I	6	100
Fall 2008	STA5168	Statistics in Applications III	10	100
Spring 2008	STA5167	Statistics in Applications II	16	100

Current Doctoral Student Supervisory Committees

Chair
    Chung, Steve Sang
    Huang, Xue

University Representative
    Wang, Dongxu
    Wang, Kan
    Wu, Haiyan
    Xue, Xinrong
    Zhang, Yuan

Member
    Abayomi, Emilola J.
    Almansour, Aseel
    Bain, Rommel C.
    Ha, Seungyeon
    Kim, Ester
    McGinnity, Kelly
    Rivera, Gretchen L.
    Tao, Yingfeng
    Williams, Felicia G.

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

    Bell, Lindsey R. (Cochair)
    Li, Zhi (Cochair)
    Shin, Jihyung
    Tang, Anqi
    Yang, Fang
    Zhao, Feng
    Zhao, Haiyan (Cochair)
    Liu, Yang
    Norton, J.
    He, W. (Cochair)

Current Master's Student Supervisory Committees

No current master's student committees.   No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Publications

<u>Refereed Journal Articles</u>

Zhao, F., Niu, X-F., & Cheng, Y. (submitted). Bayesian Portfolio Optimization with Time-Varying Factor Models. *Review of Finance*. Manuscript submitted for publication, 51 pages.

Bell, L., Zhang, J., & Niu, X-F. (2011). Mixture of Logistic Models and an Ensemble Approach for Extracting Protein-Protein Interactions. *Refereed Conference Paper, The ACM Conference on Bioinformatics, Computational Biology and Biomedicine (ACM BCB)*, 371-375.

Bell, L., Mcclendon, C., Chowdhary, R., Liu, J-s., Niu, X-F., & Zhang, J. (2011). Integrated Bio-entity Network: From Data Integration to Knowledge Discovery. *PLoS ONE*, *6*, e21474.

Liu, D., Lu, T., Niu, X-F., & Wu, H. (2011). Mixed-E_ects State Space Models for Analysis of Longitudinal Dynamic Systems. *Biometrics*, *67*, 476-485.

He, J., McGee, D., & Niu, X-F. (2010). Application of the Bayesian Dynamic Survival Model in Medicine. *Statistics in Medicine*, *29(3)*, 347-360.

He, J., McGee, D., Niu, X-F., & Choi, W. (2009). Examining the Dynamic Association of BMI and Mortality in the Framingham Heart Study. *International Journal of Environmental Research and Public Health*, *6*, 3115-3126.

Norton, J., & Niu, J. (2009). Intrinsic Autoregressive Spatiotemporal Models With Application to Aggregated Birth Outcomes. *Journal of American Statistical Association*, *104(486)*, 638-649.

Hall, S., Niu, X-F., Walker, J. C., & Mayo, M. S. (2007). Generalized Linear Mixed-Eff_ects Models for the Analysis of Odor Detection Data. *Journal of Modern Applied Statistical Methods*, *6(2)*, 608-618.

<u>Nonrefereed Proceedings</u>

Liu, Y., & Niu, X-F. (2011). Transformation Models for Survival Data Analysis and Applications. In *Joint Annual Meetings of American Statistical Association*. Proceeding of American Statistical Association.

Tang, A., Chukmaitov, A., Niu, X-F., & Beitsch, L. (2010). Statistical Analysis of Florida Patients' Emergency Department Visits for Ambulatory Care Sensitive Conditions. In

Joint Annual Meetings of American Statistical Association. Proceeding of American Statistical Association.

Norton, J., & Niu, X-F. (2007). Modeling Birth Outcomes with Spatiotemporal Dependence. In *Joint Annual Meetings of American Statistical Association*. Proceeding of American Statistical Association.

Nonrefereed Reports

Niu, X., & Wellendorf, N. (2011). *Sampling Method Comparison of Volatile Organic Compounds (VOCs) from Groundwater, Part II* (Technical Report, 62 pages). Florida Deparment of Environmental Protection.

Niu, X., & Wellendorf, N. (2011). *Sampling Method Comparison of Volatile Organic Compounds (VOCs) from Groundwater,Part I* (Technical Report. 164 pages). Florida Department of Environmental Protection.

Niu, X. (2010). *Cumulative Distribution Functions of Ala_a Fluoride and Their Confidence Intervals* (Technical Report, 10 pages). Florida Department of Environmental Protection.

Niu, X., & Bell, L. (2010). *Statistical Models for Predicting Resource Needs and Establishing Individual Budgets* (technical Report, 52 pages). Florida Agency for Persons with Disabilities.

Niu, X. (2009). *Quantile Regression Models for Stream Data-Periphyton Metrics* (Technical Report, 36 pages). Florida Department of Environmental Protection.

Niu, X. (2009). *Change Point Analysis of Stream Data-Periphyton Metrics vs TP* (Technical Report, 46 pages). Florida Department of Environmental Protection.

Presentations

Invited Lectures and Readings of Original Work

Niu, X. (2011, June). *Time-varying Coeffi_cient Models with ARMA-GARCH Structures for Longitudinal*. Delivered at JiLin University, China. (International)

Niu, X. (2011, June). *Spatiotemporal Bayesian Hierarchical Models, with Application to Birth Outcomes*. Delivered at JiLin University, China. (International)

Niu, X. (2011, June). *Generalized Transformation Models for Survival Data Analysis and Applications*. Delivered at JiLin University. (International)

Contracts and Grants

Contracts and Grants Funded

Niu, Xufeng (PI). (Oct 2009–Jun 2010). *High-Level Statistics Consultation to Develop a Mathema*. Funded by FL Agency for Persons w/ Disabilities. (A1FCBE). Total award $40,000.

Niu, Xufeng (PI). (Nov 2006–Jun 2012). *Statistical Consulting Services*. Funded by Florida Dept Environ Protection. (LAB027, TA7). Total award $92,000.

Niu, Xufeng (PI). (Oct 2006–Jun 2009). *Statistical Analysis of Environmental Data*. Funded by Florida Dept Environ Protection. (LAB027). Total award $54,000.

Service for the Last Five Years

Florida State University

FSU College Service

Member, Science Area Promotion and Tenure Committee of the College of Arts & Science (2008).

FSU Department Service

Member, Executive Committee (2007–present).

Member, Promotion and Tenure Committee (2000–present).

Chair, Graduate Student Recruiting (1998–2010).

Member, Faculty Evaluation and Salary Increase Committee (1998–present).

Member, Graduate Student Evaluation and Awards (1997–2010).

The Profession

Reviewer or Panelist for Grant Applications

NIH Kidney, Nutrition, Obesity and Diabetes Epidemiology (KNOD) proposal panel review committee (2007).

Service to Professional Associations

President, Florida Chater of American Statistical Association (2007–2009).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: September 06, 2012

Department: Statistics

Name: Daniel L McGee

Professional Preparation (Highest Degree Only)

1978   Ph.D., Johns Hopkins University, Baltimore, MD. Major: Biostatistics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA2023	Fundamental Business Statistics	49	100
Fall 2012	STA2023	Fundamental Business Statistics	1	100
Fall 2012	STA2023	Fundamental Business Statistics	40	100
Fall 2012	STA4173	Fundamentals Of Biostatistics	20	100
Fall 2012	STA5066	Data Management and Analysis with SAS	23	100
Fall 2012	STA5066	Data Management and Analysis with SAS	6	100
Fall 2012	STA5172	Fundamentals of Biostatistics	7	100
Fall 2012	STA5172	Fundamentals of Biostatistics	19	100
Summer 2012	STA5066	Data Management and Analysis with SAS	3	100
Summer 2012	STA5066	Data Management and Analysis with SAS	9	100
Spring 2012	STA4930	Selected Topics in Statistics, Probability or Operations Research	7	100
Spring 2012	STA5066	Data Management and Analysis with SAS	10	100
Spring 2012	STA5066	Data Management and Analysis with SAS	3	100
Spring 2012	STA5244	Clinical Trials	21	100
Fall 2011	STA4930	Selected Topics in Statistics, Probability or Operations Research	1	100
Fall 2011	STA5066	Data Management and Analysis with SAS	28	100
Fall 2011	STA5066	Data Management and Analysis with SAS	8	100
Fall 2011	STA5934	Selected Topics in Statistics, Probability, or Operations Research	11	100
Summer 2011	STA5066	Data Management and Analysis with SAS	1	100
Spring 2011	STA5066	Data Management and Analysis with SAS	19	100
Fall 2010	STA5066	Data Management and Analysis with SAS	36	100

Spring 2010	STA4930	Selected Topics in Statistics, Probability or Operations Research	1	100
Spring 2010	STA5244	Clinical Trials	4	100
Fall 2009	STA5126	Introduction to Applied Statistics	32	100
Spring 2009	STA4930	Selected Topics in Statistics, Probability or Operations Research	4	100
Spring 2009	STA5238	Applied Logistic Regression	5	100
Fall 2008	STA5244	Clinical Trials	14	100
Spring 2008	STA5208	Linear Statistical Models	14	100

Current Doctoral Student Supervisory Committees

Chair
    Almansour, Aseel
    Alrajhi, Sharifah A.
    Rivera, Gretchen L.

Co-Chair
    Abayomi, Emilola J.
    Kim, Ester
    Williams, Felicia G.

Member
    Fraser, Raphael Andre
    Holden, Robert T.
    Laborde, Jose M.
    Martinez, Elvis E.
    Tao, Yingfeng
    Thompson, Chris

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

    Chalise, Prabhakar (Cochair)
    Dutton, Matthew T.
    Fan, Li
    Miller, Gregory C. (Cochair)
    Royal-Thomas, Tamika Y.
    Simino, Jeannette M.
    Thompson, Warren
    Wu, Sutan (Cochair)
    Marker, Mahtab
    He, Jianghua
    Stefanov, Dimitre
    Tan, Fei
    Simino, Jeannette
    Li, Yan

Current Master's Student Supervisory Committees

No current master's student committees.   No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Publications

<u>Refereed Journal Articles</u>

Chalise, P., Chicken, E., & McGee, D. L. (in press). Baseline age effect on parameter estimates in Cox models. *Journal of Statistical Computation and Simulation*.

Chalise, P., Chicken, E., & McGee, D. L. (in press). Performance and prediction for varying survival time scales. *Communications in Statistics*.

Simino, J., Hollander, M., & McGee, D. (in press). Calibration of proportional hazards and accelerated failure time models. *Journal of Statistical Planning and Inference*.

He, J., McGee, D., & Niu, X. (2010). Application of the Bayesian Dynamic Survival Model in Medicine. *Statistics in Medicine*, *29*, 347-360.

Kenny, A., Kleppinger, A., Annis, K., Rathier, M., Browner, B., Judge, J., & McGee, D. L. (2010). Effects of Transdermal Testosterone on Bone and Muscle in Older Men with Low Bioavailable Testosterone Levels, Low Bone Mass, and Physical Frailty. *Journal of the American Geriatrics Society*, *58*, 1134-1143.

He, J., McGee, D., Niu, X., & Choi, W. (2009). Examining the Dynamic Association of BMI and Mortality in the Framingham Heart Study. *Int J Envior Res Public Health*, *6*, 3115-3126.

Natarajan, S., Santa Ana, E., Liao, Y., Lipsitz, S., & McGee, D. (2009). Effect of Treatment and Adherence on Ethnic Differences in Blood Pressure Control Among Adults with Hypertension. *Annals of Epidemiology*, *19*, 172-179.

Crespo, C., Garcia-Palmieri, M., Smit, E., Lee, I., McGee, D., & et al. (2008). Physical Activity and Prostate Cancer Mortality in Puerto Rican Men. *Journal of Physical Activity and Health*, *5*, 918-929.

Hurt, M., Beyrouthy, M., Alexander, K., Baldwin, A., Whitfield, M., Bass, H., & McGee, D. (2008). Identification of G1-Regulated Genes in Normally Cycling Human Cells. *PLoS ONE*, *3*, na. doi:10.1371/journal.pone.0003943

Jenkis, A., Rothen, M., Klein, R., Miller, K., Eldridge, L., Zheng, D., Durazo-Arvizu, R., McGee, D., & et al. (2008). Cross-sectional associations of C-reactive protein with

vascular risk factors and vascular complications in the DCCT/EDIC cohort. *J Diab and Compl*, *22*, 153-163.

Lackland, D., Egan, B., Mountford, W., Boan, A., Evans, D., Gilbert, G., & McGee, D. (2008). Thirty-year Survival for Black and White Hypertensive Individuals in the Evans County Heart Study and the Hypertension Detection and Follow-up Program. *J Amer Soc Hypertension*, *2*, 448-454.

Sharma, D., & McGee, D. (2008). Estimating Proportion of Explained Variation for an Underlying Linear Model Using Logistic Regression Analysis. *J Statistical Research*, *42*, 59-69.

Smit, E., Garcia-Palmieri, M., Figueroa, N., McGee, D., Messina, M., Freudenheim, J., & Crespo, C. (2007). Protein and legume intake and prostate cancer mortality in Puerto Rican men. *Nutr Cancer*, *58(2)*, 146-152.

Contracts and Grants

Contracts and Grants Funded

Tsilimingras, Dionyssios (PI), McGee, D. L., Agens, J. E., Jr., Quintero, S. M., & Bellamy, G. R. (Sep 2011–Sep 2012). *Identifying Adverse Events After Discharge from a Commun*. Funded by Agency for Healthcare Research & Quality. (R01HS018694). Total award $491,568.

Rosado, Javier I (PI), Hernandez, A., McGee, D. L., Johnson, S. B., & LaJoie, S. N. (Jul 2009–Dec 2011). *A Measurement Of Obesity: BMI Screenings Across Two Sett*. Funded by Robert Wood Johnson Foundation. (NONE). Total award $74,266.

Johnson, Suzanne B (PI), Lynn, S., & McGee, D. L. (Apr 2009–Mar 2013). *Impact of School-Based Body Mass Index (BMI) Screening*. Funded by National Institute of Child He. (R01HD058869). Total award $2,129,035.

Service for the Last Five Years

Florida State University

FSU Department Service

Member, Faculty Evaluation and Salary Increase Committee (2002–present).

Member, Executive Committee (2002–present).

Member, Promotion and Tenure Committee (2002–present).

FSU Institute or Center Service

Associate, Center for Demography and Public Health, Florida State University (2002–present).

The Profession

Guest Reviewer for Refereed Journals

American Journal of Epidemiology, Preventive Medicine, American Journal of Preventive Medicine, Huma (1976–present).

Reviewer for Textbooks

Publishers: PWS Kent, West Publishing, John Wiley & Sons, Chapman & Hall (1980–present).

Service to Other Universities

Member or Chair, several DSMBs, *Asteallas Pharmaceuticals* (2008–present).

Consultant, *University of Puerto Rico, Medical Sciences Center* (2008–2010).

DSMB member, Observational Study of Asthma in Children, *Northwestern University* (2006–2008).

Consultation

American Heart Association. Consultant (1988–present).

Legal Firms. Expert Witness in areas of Biostatistics and Epidemiology (1980–present).

Faculty, Students, and Community. Design, data management and analysis (1971–present).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: September 06, 2012

Department: Statistics

Name: Fred W Huffer

Professional Preparation (Highest Degree Only)

1982   Ph.D., Stanford University. Major: Statistics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA5326	Distribution Theory and Inference	29	100
Spring 2011	STA5327	Statistical Inference	22	100
Fall 2010	STA5326	Distribution Theory and Inference	47	100
Fall 2010	STA6346	Advanced Probability and Inference I	14	100
Spring 2010	STA5327	Statistical Inference	14	100
Fall 2009	STA5326	Distribution Theory and Inference	31	100
Fall 2009	STA6346	Advanced Probability and Inference I	15	100
Spring 2009	STA5327	Statistical Inference	12	100
Fall 2008	STA5326	Distribution Theory and Inference	27	100
Fall 2008	STA6346	Advanced Probability and Inference I	7	100
Summer 2008	STA5807	Topics in Stochastic Processes	28	100
Spring 2008	STA5327	Statistical Inference	18	100
Spring 2008	STA6466	Advanced Probability	20	100

Current Doctoral Student Supervisory Committees

Chair
    Bain, Rommel C.
    Holden, Robert T.
    Tao, Yingfeng

University Representative
    Cho, Kyunghwa
    Huang, Wanwan
    Lee, Seung-Jin
    Liang, Xinya
    Lu, Yuanting
    Siebert, Carl F.
    Yan, Jinhua
    Yuan, Wei
    Zhu, Ming

Member
    Bryner, Darshan William
    Fraser, Raphael Andre
    Huang, Xue
    Su, Jingyong
    Xie, Qian

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

    Li, Zhi (Cochair)
    Olumide, Kunle M.
    Wiltshire, Jelani N.
    Zhao, Haiyan (Cochair)
    Uhm, Daiho
    Choi, Seo-Eun (Cochair)

Current Master's Student Supervisory Committees

No current master's student committees.   No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Publications

Refereed Journal Articles

Huffer, F. W., & Sethuraman, J. (in press). Joint distributions of counts of strings in finite Bernoulli sequences. *Journal of Applied Probability*.

Segal, M. R., Xiao, Y., & Huffer, F. W. (2011). Clustering with exclusion zones: genomic

applications. *Biostatistics*, *12(2)*, 234-246.

Uhm, D., Huffer, F. W., & Park, C. (2011). Additive risk model using piecewise constant hazard function. *Communications in Statistics - Simulation and Computation*, *40(9)*, 1458-1477.

MacDonald, I. R., Smith, M., & Huffer, F. W. (2010). Community structure comparisons of lower slope hydrocarbon seeps, northern Gulf of Mexico. *Deep-Sea Research II*, *57*, 1904-1915.

Huffer, F. W., Sethuraman, J., & Sethuraman, S. (2009). A study of counts of Bernoulli strings via conditional Poisson processes. *Proceedings of the American Mathematical Society*, *137 (6)*, 2125-2134.

Chaimongkol, S., Huffer, F. W., & Kamata, A. (2007). An explanatory differential item functioning (DIF) model by the WinBUG 1.4. *Songklanakarin Journal of Science and Technology*, *29(2)*, 449-458.

Huffer, F. W., & Park, C. (2007). A Test for Elliptical Symmetry. *Journal of Multivariate Analysis*, *98*, 256-281.

Refereed Proceedings

Su, J., Srivastava, A., Zhu, Z., & Huffer, F. (2010). Detecting Shapes in 2D Point Clouds Generated from Images. In *International Conference on Pattern Recognition (ICPR)* (pp. 17-24). Istanbul, Turkey.

Su, J., Srivastava, A., Zhu, Z., & Huffer, F. W. (2010). A Fully Statistical Framework for Detection of Shapes in Image Primitives. In *Seventh IEEE Workshop on Perceptual Organization in Computer Vision (POCV), in conjunction with CVPR*. San Francisco, CA.

Service for the Last Five Years

Florida State University

FSU University Service

Member, GPC subcommittee for program review of Educational Psychology (2010).

External Member, Hiring committee in the Measurement & Statistics group of the Department of Educational Psychology and Learning Systems (2009).

Member, University Promotion and Tenure Committee (2007).

FSU College Service

Member, College of Arts & Sciences Bylaws Committee (2009–2011).

Member, Arts and Sciences Promotion and Tenure Committee (2007).

Member, Science Area Promotion and Tenure Committee (2007).

FSU Department Service

Member, Chair Search Committee (2010).

Member, Promotion and Tenure Committee (2007–2011).

Member, Graduate Student Evaluation and Awards Committee (2007–2011).

Member, Executive Committee (2007–2011).

Member, Chair Search Committee (2007).

Member, Faculty Evaluation and Salary Increase Committee (2007–2011).

Departmental Representative, NISS and SRCOS annual meetings (2006–2010).

Consultation

Bureau of Medicaid Program Integrity of the Florida Agency for Health Care Administration. Consultant and expert witness (2005–2012).

JSAG/NSASAG Consulting Group, Stanford University. (1983–2012).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: August 06, 2012

Department: Department of Statistics

Name: Eric Chicken

Professional Preparation (Highest Degree Only)

2001   Ph.D., Purdue University, West Lafayette. Major: Statistics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Summer 2012	STA4321	Introduction to Mathematical Statistics	37	100
Summer 2012	STA4502	Applied Nonparametric Statistics	6	100
Summer 2012	STA5126	Introduction to Applied Statistics	1	100
Summer 2012	STA5323	Introduction to Mathematical Statistics	4	100
Summer 2012	STA5507	Applied Nonparametric Statistics	17	100
Summer 2012	STA5507	Applied Nonparametric Statistics	1	100
Spring 2012	STA5934	Selected Topics in Statistics, Probability, or Operations Research	8	100
Fall 2011	STA5126	Introduction to Applied Statistics	7	100
Fall 2011	STA6346	Advanced Probability and Inference I	17	100
Summer 2011	STA4321	Introduction to Mathematical Statistics	25	100
Summer 2011	STA5323	Introduction to Mathematical Statistics	12	100
Summer 2011	STA5934	Selected Topics in Statistics, Probability, or Operations Research	9	100
Spring 2011	STA6246	Advanced Topics in Applied Statistics	17	100
Fall 2010	STA3032	Applied Statistics for Engineers and Scientists	21	100
Fall 2010	STA5126	Introduction to Applied Statistics	37	100
Summer 2010	STA4321	Introduction to Mathematical Statistics	15	100
Summer 2010	STA4502	Applied Nonparametric Statistics	6	100
Summer 2010	STA5323	Introduction to Mathematical Statistics	8	100
Summer 2010	STA5507	Applied Nonparametric Statistics	10	100
Summer 2010	STA5507	Applied Nonparametric Statistics	1	100
Spring 2010	STA4222	Sample Surveys	7	100
Spring 2010	STA5225	Sample Surveys	1	100

Summer 2009	STA4321	Introduction to Mathematical Statistics	28	100
Summer 2009	STA5807	Topics in Stochastic Processes	7	100
Summer 2009	STA5807	Topics in Stochastic Processes	2	100
Spring 2009	STA4222	Sample Surveys	13	100
Spring 2009	STA5225	Sample Surveys	13	100
Fall 2008	EGN3443	Statistical Topics in Engineering	8	100
Fall 2008	STA3032	Applied Statistics for Engineers and Scientists	7	100
Fall 2008	STA4502	Applied Nonparametric Statistics	4	100
Fall 2008	STA5126	Introduction to Applied Statistics	9	100
Fall 2008	STA5507	Applied Nonparametric Statistics	10	100
Summer 2008	STA4203	Applied Regression Methods	10	100
Summer 2008	STA5207	Applied Regression Methods	5	100
Spring 2008	STA3032	Applied Statistics for Engineers and Scientists	13	100
Spring 2008	STA4322	Mathematical Statistics	13	100
Spring 2008	STA5126	Introduction to Applied Statistics	13	100
Spring 2008	STA5325	Mathematical Statistics	7	100
Fall 2007	EGN3443	Statistical Topics in Engineering	4	100
Fall 2007	STA3032	Applied Statistics for Engineers and Scientists	17	100
Fall 2007	STA4502	Applied Nonparametric Statistics	4	100
Fall 2007	STA5507	Applied Nonparametric Statistics	5	100

Current Doctoral Student Supervisory Committees

Chair
- Becvarik, Rachel A.
- Hillebrandt, Kathryn M.
- McGinnity, Kelly
- Schleeter, Tiffany

Co-Chair
- Girimurugan, Senthil Balaji

Member
- Abayomi, Emilola J.
- Martinez, Elvis E.
- Tang, Yuanyuan

University Representative
- Nowell, Holly K
- Sauer, Jeremy A
- White, Linda C
- You, Yalei
- Sadler, Benjamin D.
- Diamond, Tiara R.
- Fraza, Erik Alan
- Mortenson, Eric A.

Doctoral students who have graduated in the last five years for whom you were supervisory committee chair:

Cuevas, Jordan P.
Hill, Paul C
Chalise, Prabhakar (Cochair)

Current Master's Student Supervisory Committees

No current master's student committees.

Master's students who have graduated in the last five years for whom you were supervisory committee chair:

Becvarik, Rachel A.
Holden, Robert T.

Research and Original Creative Work for the Last Five Years

Publications

Refereed Journal Articles

Chalise, P., Chicken, E., & McGee, D. (submitted). Time scales in epidemiological analysis: an empirical comparison. *Journal of Applied Statistics*. Manuscript submitted for publication.

Chalise, P., Chicken, E., & McGee, D. (in press). Performance and prediction for varying survival time scales. *Communications in Statistics - Simulation and Computing*.

Chalise, P., Chicken, E., & McGee, D. (in press). Baseline age effect on parameter estimates in Cox models. *Journal of Statistical Computation and Simulation*, 8 pages.

Cuevas, J., & Chicken, E. (in press). A trimmed translation-invariant denoising estimator. *Journal of Statistical Computation and Simulation*, 12 pages.

Haciomeroglu, E., & Chicken, E. (2012). Visual thinking and gender differences in high school calculus. *International Journal of Mathematical Education in Science and Technology*, *43(3)*, 303-313. doi:10.1080/0020739X.2011.618550

Loper, D., & Chicken, E. (2011). A leaky-conduit model of transient flow in karstic aquifers. *Mathematical Geosciences*, *43(8)*, 995-1009. doi:10.1007/s11004-011-9369-y

Chicken, E., Pignatiello, J., & Simpson, J. (2009). Statistical process monitoring of nonlinear profiles using wavelets. *Journal of Quality Technology*, *41*, 198-212.

Haciomeroglu, E., Aspinwall, L., Presmeg, N., Chicken, E., & Bu, L. (2009). Mathematical processing instrument for calculus. *ON-Math Journal for School Mathematics*, *7*, 1 - 12.

Chicken, E. (2008). Dilation-invariant wavelet estimation. *Communications in Statistics – Simulation and Computing*, *37*, 1530-1542. doi:10.1080/03610910802074829

Chicken, E. (2007). Nonparametric regression with sample design following a random process. *Communications in Statistics - Theory and Methods*, *36*, 1915-1934. doi:10.1080/03610920601126498

Chicken, E., Loper, D., & Werner, C. (2007). Estimating tidal effects in flow: a multiscale method using correlated phenomena. *Water Resources Research*, *43*, W05414, 9 pp. doi:10.1029/2006WR005117

Refereed Proceedings

Haciomeroglu, E., & Chicken, E. (2011). Investigating relations between ability, preference and calculus performance. In T. Lamberg, & L. Weist (Eds.), *33rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Reno, NV: University of Nevada.

Pignatiello, J., Chicken, E., & Cuevas, J. (2011). Monitoring nonlinear profiles for structural and error changes. In T. Doolen, & E. Van Aken (Eds.), *2011 Industrial Engineering Research Conference*. Reno, NV: University of Nevada.

Haciomeroglu, E., Aspinwall, L., & Chicken, E. (2010). Factors of calculus students' mathematical performances and preferences for visual thinking. In P. Brosnan, D. B. Erchick, & L. Flevares (Eds.), *32nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 89-96). Columbus, OH: The Ohio State University.

Chicken, E., Chalise, P., & Loper, D. (2008). Conduit prevalence in the Woodville Karst Plain. In L. B. Yuhr, E. C. Alexander, & B. F. Beck (Eds.), *Sinkholes and the Engineering and Environmental Impacts of Karst* (pp. 303-312). ASCE Conf. Proc. 327.

Loper, D., & Chicken, E. (2008). Analysis and discussion of karst conduit waves. In L. B. Yuhr, E. C. Alexander, & B. F. Beck (Eds.), *Sinkholes and the Engineering and Environmental Impacts of Karst* (pp. 454-466). ASCE Conf. Proc. 327.

Loper, D., Werner, C., DeHan, R., Kincaid, T., Chicken, E., & Davies, G. (2008). Probing the plumbing of Wakulla Spring: instrumentation and preliminary results. In L. B. Yuhr, E. C. Alexander, & B. F. Beck (Eds.), *Sinkholes and the Engineering and Environmental Impacts of Karst* (pp. 313-324). ASCE Conf. Proc. 327.

Medda, A., Chicken, E., & DeBrunner, V. (2007). Sigma-sampling wavelet denoising for

structural health monitoring. In *Statistical Signal Processing, IEEE/SP 14th Workshop on* (pp. 119-122). Madison, WI: IEEE.

Nonrefereed Journal Articles

Chicken, E. (2007). Directional step models for multiscale correlation thresholding. *Water Resources Research*, *43 (Supp.)*, 1 - 2.

Nonrefereed Book Chapters

Chicken, E. (2011). Nonparametric nonlinear profiles. In Rassoul Noorossana, Abbas Saghaei, & Amirhossein Amiri (Eds.), *Statistical analysis of profile monitoring* (pp. 157-188). New York: John Wiley and Sons.

Presentations

Invited Presentations at Conferences

Chicken, E. (presented 2011, February). *Unusual flow detection methods*. Presentation at Annual meeting of the Florida Chapter of the American Statistical Association, Florida Chapter of the American Statistical Association, Tampa, FL. (State)

Chicken, E. (presented 2008, September). *Conduit prevalence in the Woodville Karst Plain*. Presentation at Sinkholes and the Engineering and Environmental Impacts of Karst Conference, American Society of Civil Engineers, Tallahassee, FL. (National)

Nonrefereed Presentations at Conferences

Chicken, E. (presented 2012, February). *Changepoint detection for high dimensional sequential data*. Presentation at Annual meeting of the Florida Chapter of the American Statistical Association, Florida Chapter of the American Statistical Association, Jacksonville, FL. (State)

Chicken, E. (presented 2011, July). *A trimmed translation-invariant denoising estimator*. Presentation at Joint Statistical Meetings, American Statistical Association & Institute of Mathematical Statistics, Miami Beach, FL. (International)

Chicken, E. (presented 2009, February). *Multiscale analysis of flow in the Woodville Karst Plain*. Presentation at Annual meeting of the Florida Chapter of the American Statistical Association, Florida Chapter of the American Statistical Association, Orlando, FL. (State)

Chicken, E. (presented 2007, October). *Statistical process monitoring of nonlinear profiles using wavelets*. Presentation at Fall Technical Conference, American Society for Quality & American Statistical Association, Jacksonville, FL. (National)

Contracts and Grants

Contracts and Grants Funded

Chicken, E. (2010–2011). *Evaluation of the impacts of storm surge flooding on the water quality of the near-shore environment and on coastal aquifers in sewered and un-sewered communities*. Funded by Florida Department of Environmental Protection & NOAA. Total award $217,000.

Chicken, E. (2005–2008). *Using the Woodville Karst Plain as a pilot for establishing a hydrological observatory and a water data center based in Tallahassee*. Funded by Florida Geological Survey. (GW258). Total award $685,000.

Service for the Last Five Years

Florida State University

FSU University Service

Faculty advisor, Mu Sigma Rho National Statistics Honorary Society (2011–present).

Member, Graduate Policy Committee (2009–2012).

Member, State of Florida Common Prerequisites Committee (2008).

Senator, Faculty Senate (2007–present).

FSU College Service

Member, Exploration of Arts and Sciences Committee (2011).

Member, Chemistry chair search committee (2011).

FSU Department Service

Director, Graduate program (2011–2012).

Member, Faculty Evaluation and Salary Increase Committee (2011–present).

Member, Promotion and Tenure Committee (2011–present).

Member, Student awards committee (2011–2012).

Member, Executive committee (2009–present).

Member, Graduate Student Admissions Committee (2009–2011).

Advisor, Undergraduate program (2009).

Director, Graduate program (2008–2010).

Member, Academic Affairs Committee (2004–2007).

Librarian, Department Library (2002–2009).

The Profession

<u>Guest Reviewer for Refereed Journals</u>

Annals of Statistics (2002–present).

Water Resources Management (2002–present).

Biometrika (2002–present).

Communications in Statistics – Simulation and Computing (2002–present).

Communications in Statistics – Theory and Methods (2002–present).

Computational Statistics and Data Analysis (2002–present).

Computers and Industrial Engineering (2002–present).

Electronic Journal of Statistics (2002–present).

IEEE Transactions on Signal Processing (2002–present).

International Journal of Biostatistics (2002–present).

Journal of Applied Functional Analysis (2002–present).

Journal of Computational and Graphical Statistics (2002–present).

Journal of Nonparametric Statistics (2002–present).

Journal of Statistical Planning and Inference (2002–present).

Journal of the Korean Statistical Society (2002–present).

Mathematical and Computer Modelling (2002–present).

Methodology & Computing in Applied Probability (2002–present).

Quality Engineering (2002–present).

Statistica Sinica (2002–present).

Technometrics (2002–present).

Ground Water (2002–present).

Journal of Hydrology (2002–present).

Asian-European Journal of Mathematics (2002–present).

Service to Professional Associations

Organizer, Multiscale estimation session, Southern Research Council on Statistics (SRCOS) Summer Conference (2012).

Vice President, Florida Chapter of the American Statistical Association (2011–2013).

Annual meeting organizer, Florida Chapter of the American Statistical Association (2010).

Secretary - Treasurer, Florida Chapter of the American Statistical Association (2009–2011).

Session chair, models and methods in design of experiments, Spring Research Conference in Industry and Technology (2007).

Consultation

H2H Associates & GeoHydros. Analysis and modeling of subterranean water flow within the Florida aquifer (2008–2010).

Quality Enhancement Review: Faculty Vita Format
Short Form for the State-Mandated Program Reviews

Date Vita Prepared: September 06, 2012

Department: Statistics

Name: Radha R Bose

Professional Preparation (Highest Degree Only)

2002   M.S., Florida State University, Tallahassee, FL. Major: Statistics.

Teaching Assignment for the Last Five Years

Courses excluding dissertation, thesis, supervised teaching and research, and directed individual studies:

Semester	Course Number	Course Name	Number Enrolled	% of Course
Fall 2012	STA2023	Fundamental Business Statistics	38	100
Fall 2012	STA2023	Fundamental Business Statistics	40	100
Fall 2012	STA2023	Fundamental Business Statistics	40	100
Fall 2012	STA2023	Fundamental Business Statistics	39	67
Fall 2012	STA2023	Fundamental Business Statistics	40	100
Fall 2012	STA2023	Fundamental Business Statistics	40	67
Fall 2012	STA2023	Fundamental Business Statistics	40	100
Fall 2012	STA2023	Fundamental Business Statistics	40	67
Fall 2012	STA2023	Fundamental Business Statistics	40	67
Fall 2012	STA2023	Fundamental Business Statistics	40	67
Fall 2012	STA2023	Fundamental Business Statistics	36	67
Fall 2012	STA2023	Fundamental Business Statistics	34	67
Fall 2012	STA2122	Introduction to Applied Statistics	44	67
Fall 2012	STA2122	Introduction to Applied Statistics	44	67
Fall 2012	STA2122	Introduction to Applied Statistics	43	67
Fall 2012	STA2122	Introduction to Applied Statistics	44	67
Fall 2012	STA2122	Introduction to Applied Statistics	44	67
Fall 2012	STA2122	Introduction to Applied Statistics	42	67
Fall 2012	STA2122	Introduction to Applied Statistics	43	67
Fall 2012	STA2122	Introduction to Applied Statistics	44	67
Fall 2012	STA2122	Introduction to Applied Statistics	45	67
Fall 2012	STA2122	Introduction to Applied Statistics	44	67
Fall 2012	STA2122	Introduction to Applied Statistics	45	67
Fall 2012	STA2122	Introduction to Applied Statistics	44	100

Summer 2012	STA2122	Introduction to Applied Statistics	58	100
Summer 2012	STA2122	Introduction to Applied Statistics	49	100
Spring 2012	STA2023	Fundamental Business Statistics	35	67
Spring 2012	STA2023	Fundamental Business Statistics	46	67
Spring 2012	STA2023	Fundamental Business Statistics	14	100
Spring 2012	STA2023	Fundamental Business Statistics	41	67
Spring 2012	STA2023	Fundamental Business Statistics	22	67
Spring 2012	STA2023	Fundamental Business Statistics	29	67
Spring 2012	STA2023	Fundamental Business Statistics	31	67
Spring 2012	STA2023	Fundamental Business Statistics	35	67
Spring 2012	STA2023	Fundamental Business Statistics	27	67
Spring 2012	STA2023	Fundamental Business Statistics	37	67
Spring 2012	STA2023	Fundamental Business Statistics	39	67
Spring 2012	STA2023	Fundamental Business Statistics	41	67
Spring 2012	STA2023	Fundamental Business Statistics	37	67
Spring 2012	STA2122	Introduction to Applied Statistics	37	67
Spring 2012	STA2122	Introduction to Applied Statistics	37	67
Spring 2012	STA2122	Introduction to Applied Statistics	41	67
Spring 2012	STA2122	Introduction to Applied Statistics	40	67
Spring 2012	STA2122	Introduction to Applied Statistics	39	67
Spring 2012	STA2122	Introduction to Applied Statistics	38	67
Fall 2011	STA2023	Fundamental Business Statistics	33	67
Fall 2011	STA2023	Fundamental Business Statistics	17	100
Fall 2011	STA2023	Fundamental Business Statistics	39	67
Fall 2011	STA2023	Fundamental Business Statistics	42	67
Fall 2011	STA2023	Fundamental Business Statistics	38	67
Fall 2011	STA2023	Fundamental Business Statistics	39	67
Fall 2011	STA2023	Fundamental Business Statistics	48	67
Fall 2011	STA2023	Fundamental Business Statistics	46	67
Fall 2011	STA2023	Fundamental Business Statistics	55	67
Fall 2011	STA2023	Fundamental Business Statistics	41	67
Fall 2011	STA2023	Fundamental Business Statistics	38	67
Fall 2011	STA2023	Fundamental Business Statistics	26	67
Fall 2011	STA2023	Fundamental Business Statistics	39	67
Fall 2011	STA2122	Introduction to Applied Statistics	40	67
Fall 2011	STA2122	Introduction to Applied Statistics	49	100
Fall 2011	STA2122	Introduction to Applied Statistics	52	100
Fall 2011	STA2122	Introduction to Applied Statistics	40	100
Fall 2011	STA2122	Introduction to Applied Statistics	35	67
Fall 2011	STA2122	Introduction to Applied Statistics	33	100
Spring 2011	STA2023	Fundamental Business Statistics	45	67
Spring 2011	STA2023	Fundamental Business Statistics	44	67
Spring 2011	STA2023	Fundamental Business Statistics	40	67
Spring 2011	STA2023	Fundamental Business Statistics	40	67

Spring 2011	STA2023	Fundamental Business Statistics	39	67
Spring 2011	STA2023	Fundamental Business Statistics	44	67
Spring 2011	STA2023	Fundamental Business Statistics	40	67
Spring 2011	STA2023	Fundamental Business Statistics	37	67
Spring 2011	STA2023	Fundamental Business Statistics	36	67
Spring 2011	STA2023	Fundamental Business Statistics	45	67
Spring 2011	STA2023	Fundamental Business Statistics	44	67
Spring 2011	STA2023	Fundamental Business Statistics	39	67
Spring 2011	STA2122	Introduction to Applied Statistics	40	67
Spring 2011	STA2122	Introduction to Applied Statistics	40	67
Spring 2011	STA2122	Introduction to Applied Statistics	42	67
Spring 2011	STA2122	Introduction to Applied Statistics	40	67
Spring 2011	STA2122	Introduction to Applied Statistics	42	67
Spring 2011	STA2122	Introduction to Applied Statistics	38	67
Fall 2010	STA2023	Fundamental Business Statistics	1	67
Fall 2010	STA2023	Fundamental Business Statistics	33	67
Fall 2010	STA2023	Fundamental Business Statistics	36	67
Fall 2010	STA2023	Fundamental Business Statistics	38	67
Fall 2010	STA2023	Fundamental Business Statistics	49	67
Fall 2010	STA2023	Fundamental Business Statistics	42	67
Fall 2010	STA2023	Fundamental Business Statistics	43	67
Fall 2010	STA2023	Fundamental Business Statistics	20	67
Fall 2010	STA2023	Fundamental Business Statistics	44	67
Fall 2010	STA2023	Fundamental Business Statistics	42	67
Fall 2010	STA2023	Fundamental Business Statistics	19	67
Fall 2010	STA2122	Introduction to Applied Statistics	32	67
Fall 2010	STA2122	Introduction to Applied Statistics	34	67
Fall 2010	STA2122	Introduction to Applied Statistics	33	67
Fall 2010	STA2122	Introduction to Applied Statistics	37	67
Fall 2010	STA2122	Introduction to Applied Statistics	36	67
Fall 2010	STA2122	Introduction to Applied Statistics	34	67
Summer 2010	STA2023	Fundamental Business Statistics	39	100
Summer 2010	STA2023	Fundamental Business Statistics	60	100
Spring 2010	STA2023	Fundamental Business Statistics	48	67
Spring 2010	STA2023	Fundamental Business Statistics	47	67
Spring 2010	STA2023	Fundamental Business Statistics	33	67
Spring 2010	STA2023	Fundamental Business Statistics	31	67
Spring 2010	STA2023	Fundamental Business Statistics	30	67
Spring 2010	STA2023	Fundamental Business Statistics	30	67
Spring 2010	STA2023	Fundamental Business Statistics	29	67
Spring 2010	STA2023	Fundamental Business Statistics	27	67
Spring 2010	STA2023	Fundamental Business Statistics	30	67
Spring 2010	STA2023	Fundamental Business Statistics	45	67
Spring 2010	STA2023	Fundamental Business Statistics	37	67

Spring 2010	STA2122	Introduction to Applied Statistics	41	67
Spring 2010	STA2122	Introduction to Applied Statistics	43	67
Spring 2010	STA2122	Introduction to Applied Statistics	43	67
Spring 2010	STA2122	Introduction to Applied Statistics	37	67
Spring 2010	STA2122	Introduction to Applied Statistics	41	67
Spring 2010	STA2122	Introduction to Applied Statistics	48	100
Fall 2009	STA2023	Fundamental Business Statistics	46	67
Fall 2009	STA2023	Fundamental Business Statistics	25	100
Fall 2009	STA2023	Fundamental Business Statistics	10	67
Fall 2009	STA2023	Fundamental Business Statistics	30	67
Fall 2009	STA2023	Fundamental Business Statistics	33	67
Fall 2009	STA2023	Fundamental Business Statistics	30	67
Fall 2009	STA2023	Fundamental Business Statistics	38	67
Fall 2009	STA2023	Fundamental Business Statistics	40	67
Fall 2009	STA2023	Fundamental Business Statistics	33	67
Fall 2009	STA2023	Fundamental Business Statistics	24	67
Fall 2009	STA2023	Fundamental Business Statistics	24	67
Fall 2009	STA2023	Fundamental Business Statistics	25	67
Fall 2009	STA2122	Introduction to Applied Statistics	39	67
Fall 2009	STA2122	Introduction to Applied Statistics	40	67
Fall 2009	STA2122	Introduction to Applied Statistics	39	67
Fall 2009	STA2122	Introduction to Applied Statistics	38	67
Fall 2009	STA2122	Introduction to Applied Statistics	41	67
Fall 2009	STA2122	Introduction to Applied Statistics	39	67
Summer 2009	STA2122	Introduction to Applied Statistics	58	100
Summer 2009	STA2122	Introduction to Applied Statistics	58	100
Spring 2009	STA2023	Fundamental Business Statistics	40	66
Spring 2009	STA2023	Fundamental Business Statistics	35	66
Spring 2009	STA2023	Fundamental Business Statistics	39	66
Spring 2009	STA2023	Fundamental Business Statistics	38	66
Spring 2009	STA2023	Fundamental Business Statistics	39	66
Spring 2009	STA2023	Fundamental Business Statistics	37	66
Spring 2009	STA2023	Fundamental Business Statistics	32	100
Spring 2009	STA2023	Fundamental Business Statistics	37	66
Spring 2009	STA2023	Fundamental Business Statistics	39	66
Spring 2009	STA2023	Fundamental Business Statistics	39	66
Spring 2009	STA2023	Fundamental Business Statistics	39	66
Spring 2009	STA2023	Fundamental Business Statistics	40	66
Spring 2009	STA2122	Introduction to Applied Statistics	36	66
Spring 2009	STA2122	Introduction to Applied Statistics	39	100
Spring 2009	STA2122	Introduction to Applied Statistics	39	66
Spring 2009	STA2122	Introduction to Applied Statistics	40	100
Spring 2009	STA2122	Introduction to Applied Statistics	39	66
Spring 2009	STA2122	Introduction to Applied Statistics	38	66

Fall 2008	STA2023	Fundamental Business Statistics	38	67
Fall 2008	STA2023	Fundamental Business Statistics	39	67
Fall 2008	STA2023	Fundamental Business Statistics	30	67
Fall 2008	STA2023	Fundamental Business Statistics	46	67
Fall 2008	STA2023	Fundamental Business Statistics	46	67
Fall 2008	STA2023	Fundamental Business Statistics	48	67
Fall 2008	STA2023	Fundamental Business Statistics	48	67
Fall 2008	STA2023	Fundamental Business Statistics	46	100
Fall 2008	STA2023	Fundamental Business Statistics	39	67
Fall 2008	STA2023	Fundamental Business Statistics	38	67
Fall 2008	STA2023	Fundamental Business Statistics	39	67
Fall 2008	STA2023	Fundamental Business Statistics	40	67
Fall 2008	STA2122	Introduction to Applied Statistics	40	67
Fall 2008	STA2122	Introduction to Applied Statistics	36	67
Fall 2008	STA2122	Introduction to Applied Statistics	36	67
Fall 2008	STA2122	Introduction to Applied Statistics	45	67
Fall 2008	STA2122	Introduction to Applied Statistics	38	67
Spring 2008	STA2023	Fundamental Business Statistics	47	67
Spring 2008	STA2023	Fundamental Business Statistics	41	67
Spring 2008	STA2023	Fundamental Business Statistics	47	67
Spring 2008	STA2023	Fundamental Business Statistics	40	67
Spring 2008	STA2023	Fundamental Business Statistics	29	67
Spring 2008	STA2023	Fundamental Business Statistics	38	67
Spring 2008	STA2023	Fundamental Business Statistics	39	67
Spring 2008	STA2023	Fundamental Business Statistics	30	67
Spring 2008	STA2023	Fundamental Business Statistics	40	67
Spring 2008	STA2023	Fundamental Business Statistics	39	67
Spring 2008	STA2023	Fundamental Business Statistics	34	67
Spring 2008	STA2023	Fundamental Business Statistics	36	67
Spring 2008	STA2122	Introduction to Applied Statistics	38	67
Spring 2008	STA2122	Introduction to Applied Statistics	40	67
Spring 2008	STA2122	Introduction to Applied Statistics	40	67
Spring 2008	STA2122	Introduction to Applied Statistics	38	67
Spring 2008	STA2122	Introduction to Applied Statistics	38	67
Spring 2008	STA2122	Introduction to Applied Statistics	39	67

Current Doctoral Student Supervisory Committees

No current doctoral student committees.   No doctoral students who have graduated in the last five years for whom you were supervisory committee chair.

Current Master's Student Supervisory Committees

No current master's student committees.   No master's students who have graduated in the last five years for whom you were supervisory committee chair.

Research and Original Creative Work for the Last Five Years

Presentations

Invited Workshops

Bose, R. R. (2012). *Teaching in the Statistics Discipline Workshop*. Workshop delivered at FSU Statistics Department. (Local)

Bose, R. R. (2011). *Teaching in the Statistics Discipline Workshop*. Workshop delivered at FSU Department of Statistics. (Local)

Service for the Last Five Years

The Profession

Reviewer for Textbooks

The Basic Practice of Statistics 4e (2007).