**ASSISTANT OR ASSOCIATE PROFESSOR - STATISTICS**
**Department of Mathematics and Statistics**
**South Dakota State University**

**Position Description:** The Department of Mathematics and Statistics is announcing a nine-month, tenure track faculty position in statistics with principal duties to include research, teaching, and outreach. The ideal candidate will complement current statistics faculty research areas, which include Bayesian inference, statistical learning theory, pattern recognition, longitudinal data analysis, probabilistic graphical modeling, predictive analytics, and forecasting. This individual will become an integral member of a diversified and active team of mathematics and statistics faculty supporting the Ph.D. in Computational Science and Statistics, the Master's degree in Statistics, the Master's degree in Data Science, and the Master's and Bachelor's degrees in Mathematics.

**Responsibilities:** Responsibilities will include teaching and advising in the undergraduate and graduate programs, research, service, and outreach to the campus and region. Teaching duties will include teaching approximately six credits per semester of undergraduate and graduate courses in support of the statistics program, and advising undergraduate and graduate student projects and research. Research duties will include developing and maintaining a regionally relevant research program in Bayesian inference, statistical learning theory, pattern recognition, forecasting, and/or longitudinal data analysis, and developing sources of external research funding and graduate student support.

**Qualifications:**
**Required qualifications**: An earned Ph.D. in Statistics or closely related field with specialty in one or more of the following areas: Bayesian Inference, Statistical Learning Theory, Pattern Recognition, Longitudinal Data Analysis, Probabilistic Graphical Modeling, Predictive Analytics, and Forecasting; demonstrated potential to be an effective teacher at the graduate and undergraduate level; demonstrated potential to conduct an effective research agenda; excellent written and verbal communication skills; and excellent collaborative and interpersonal skills.

**Desired qualifications: P**ossessing a research agenda with potential to obtain external funding; demonstrated enthusiasm and aptitude to supervise student practicum experiences and internships; and demonstrated enthusiasm and aptitude to direct undergraduate research.

**The Department:** The Department of Mathematics & Statistics currently has 22 tenure-track faculty, 12 full time instructors, 50 graduate students, and 140 undergraduate majors. The department currently offers a B.S. and M.S. in Mathematics, an M.S. in Statistics, and a Ph.D. in Computational Science and Statistics.

**University/Community:** South Dakota State University is a land-grant university and is the state's largest institution of higher education with an enrollment of approximately 12,500 students. SDSU is located in Brookings, South Dakota, a community of 22,000 near the east central border of South Dakota on Interstate 29. The city has an excellent K-12 education system, is accessible to major medical facilities, has an active cultural and social environment, and has numerous lakes and parks within driving distance. It is 50 miles north of Sioux Falls, with a metropolitan area population of 227,000.

**Application Deadline:** Applications should be received by December 1, 2014 in order to receive full consideration in the initial screening. However, applications will be accepted until the position is filled.

**APPLICATION PROCESS:**
SDSU accepts applications through an on-line employment site. To apply, visit: https://yourfuture.sdbor.edu, search by the position title, view the job announcement, and click on "apply for this posting." The system will guide you through the electronic application form. The employment site will also require the attachment of a cover letter, which should specifically address how the candidate meets the qualification as outlined in the

advertisement; curriculum vitae; transcript for your terminal degree; and contact information for at least three professional references. Please contact SDSU Human Resources at (605) 688-4128 if you require assistance with this process.

Any offer of employment is contingent on the university's verification of credentials and other information required by law and/or university policies, including but not limited to, a criminal background check.

For information on the position, please contact Dr. Gemechis Djira, Search Committee Chair at (605) 688-6196 or Gemechis.Djira@sdstate.edu.