The science of statistics deals with the collection and summarization of data, design of experiments and surveys, measurement of the magnitude of variation in both experimental and survey data, estimation of population parameters with measures of their accuracy and precision, tests of hypotheses about populations and studies of the relationships between two or more variables. While the ideal of science is to achieve a systematic interrelationship of facts, scientific methods must be a pursuit of this ideal by experimentation, observation and logical arguments from various accepted postulates. Thus, the science of statistics is a set of scientific principles and methodologies that are useful in reaching conclusions about populations and processes when the available information is both limited and variable. Hence, statistical principles are useful in all the sciences, both physical and social. Many practical applications of statistics are found in a wide variety of fields, including biology, education, social sciences, engineering, business, government and agriculture.

The Department of Statistics offers training in statistics leading to degrees of Bachelor of Science, Master of Science and Doctor of Philosophy.

**Faculty**

Akleman, Derya G, Instructional Associate Professor
Statistics
PHD, Texas A&M University, 1996

Bhattacharya, Anirban, Associate Professor
Statistics
PHD, Duke University, 2012

Carroll, Raymond J, Distinguished Professor
Statistics
PHD, Purdue University, 1974

Chakrabortty, Abhishek, Assistant Professor
Statistics
PHD, Harvard Graduate School of Arts and Sciences, 2016

Chen, Willa W, Professor
Statistics
PHD, New York University, 2000

Cline, Daren B, Professor
Statistics
PHD, Colorado State University, 1983

Cummings, Shelby M, Lecturer
Statistics
MPH, Texas A&M University, 2017

Dabney, Alan R, Associate Professor
Statistics
PHD, University of Washington, 2006

Garcia, Tanya, Associate Professor
Statistics
PHD, Texas A&M University, 2011

Gaynanova, Irina, Assistant Professor
Statistics
PHD, Cornell University, 2015

Hart, Jeffrey D, Professor
Statistics
PHD, Southern Methodist University, 1981

Hatfield, Lloyd K, Senior Lecturer
Statistics
MBA, University of North Texas, 1980

Hernandez Magallanes, Irma Del Consue, Instructional Assistant Professor
Statistics
PHD, University California Berkley, 2010

Huang, Jianhua, Professor
Statistics
PHD, University of California, Berkeley, 1997

Johnson, Valen E, University Distinguished Professor
Statistics
PHD, University Of Chicago, 1989

Jones, David Edward, Assistant Professor
Statistics
PHD, Harvard, 2016

Jun, Mikyoung, Professor
Statistics
PHD, University of Chicago, 2005

Karmakar, Moumita, Instructional Assistant Professor
Statistics
PHD, University of Maryland at Baltimore, 2015

Katzfuss, Matthias S, Associate Professor
Statistics
PHD, The Ohio State University, 2011

Kincheloe, Faron, Visiting Professor
Statistics
MS, Baylor University, 2011

Kolodziej, Elizabeth Y, Instructional Assistant Professor
Statistics
PHD, Texas A&M University, 2010

Liang, Hwa Chi, Instructional Assistant Professor
Statistics
PHD, University of New Mexico, 2003

Liu, Shuling, Instructional Assistant Professor
Statistics
PHD, Emory University, 2015

Longnecker, Michael T, Professor
Statistics
PHD, Florida State University, 1976

Ma, Jing, Assistant Professor
Statistics
PHD, University of Michigan, 2015
Mallick, Bani K, University Distinguished Professor
Statistics
PHD, University of Connecticut, 1994

Newton, Howard J, Senior Professor
Statistics
PHD, SUNY Buffalo, 1975

Ni, Yang, Assistant Professor
Statistics
PHD, Rice University, 2015

Pati, Debdeep, Associate Professor
Statistics
PHD, Duke University, 2012

Pourahmadi, Mohsen, Professor
Statistics
PHD, Michigan State University, 1980

Rahman, Shahina, Instructional Assistant Professor
Statistics
PHD, Texas A&M University, 2015

Sang, Huiyan, Professor
Statistics
PHD, Duke University, 2008

Schmiediche, Henrik, Instructional Professor
Statistics
PHD, Texas A&M University, 1993

Sinha, Samiran, Professor
Statistics
PHD, University of Florida, 2004

Spiegelman, Clifford H, Distinguished Professor
Statistics
PHD, Northwestern University, 1976

Subbarao, Suhasini T, Professor
Statistics
PHD, University of Bristol, 2001

Vidakovic, Branislav, Professor
Statistics
PHD, Purdue University, 1992

Wang, Suojin, Professor
Statistics
PHD, University of Texas at Austin, 1988

Wang, Tiandong, Assistant Professor
Statistics
PHD, Cornell University, 2019

Wehrly, Thomas E, Senior Professor
Statistics
PHD, University of Wisconsin - Madison, 1976

Wong, Ka Wai, Associate Professor
Statistics
PHD, University California, Davis, 2014

Zhang, Xianyang, Associate Professor
Statistics
PHD, University of Illinois at Urbana - Champaign, 2013

Zhou, Lan, Associate Professor
Statistics
PHD, University of California, Berkeley, 1997

Zhou, Quan, Assistant Professor
Statistics
PHD, Baylor College of Medicine, 2017

**Majors**

- Bachelor of Science in Statistics (http://catalog.tamu.edu/undergraduate/science/statistics/bs/)
- Bachelor of Science in Statistics and Master of Science in Statistics, 5-Year Degree Program (http://catalog.tamu.edu/undergraduate/science/statistics-bs-ms/)

**Minors**

- Statistics Minor (http://catalog.tamu.edu/undergraduate/science/statistics/minor/)