

# DEPARTMENT OF STATISTICS

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

Aburweis, Mohamed, Instructional Associate Professor  
Statistics  
PHD, South Dakota State University, 2017

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

Arroyo Relion, Jesus, Assistant Professor  
Statistics  
PHD, University of Michigan, 2018

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

Bruce, Scott, Assistant Professor  
Statistics  
PHD, Temple University, 2018

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

Chakraborty, 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

Crawford, Scott, Instructional Professor  
Statistics  
PHD, Texas A&M University, 2012

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

Dao, Thy, Lecturer  
Statistics  
PHD, University of Arkansas, 2021

Ghosh, Prasenjit, Instructional Assistant Professor  
Statistics  
PHD, Indian Statistical Institute, 2017  
PHD, Indian Statistical Institute, Kolkata, 2017

Guha, Sharmistha, Assistant Professor  
Statistics  
PHD, University of California-Santa Cruz, 2019

Guhaniyogi, Rajarshi, Associate Professor  
Statistics  
PHD, University of Minnesota - Twin Cities, 2012

Ha, Seungyeon, Instructional Assistant Professor  
Statistics  
PHD, Florida State University, 2013

Harris, Trevor, Assistant Professor  
Statistics  
PHD, University of Illinois at Urbana Champaign, 2021

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

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

Homrighausen, Darren, Instructional Associate Professor  
Statistics  
PHD, Carnegie Mellon, 2012

Jiang, Yuchao, Associate Professor  
Statistics  
PHD, University of Pennsylvania, Perelman School of Medicine, 2017

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

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

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

Laha, Nilanjana, Assistant Professor  
Statistics  
PHD, University of Washington, Seattle, 2019

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

Mallick, Bani K, University Distinguished Professor  
Statistics  
PHD, University of Connecticut, 1994

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

Ning, Ning, Assistant Professor  
Statistics  
PHD, University of California, Santa Barbara, 2018

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

Peng, Xiyu, Assistant Professor  
Statistics  
PHD, Iowa State University, 2021

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

Roy, Abhishek, Assistant Professor  
Statistics  
PHD, University of California, Davis, 2020  
PHD, University of California, Davis, 2017

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

Schafer, Toryn, Assistant Professor  
Statistics  
PHD, University of Missouri, 2020

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

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

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

Wang, Runmin, Assistant Professor  
Statistics  
PHD, University of Illinois at Urbana-Champaign, 2020

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

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

Yi, Seongbaek, Lecturer  
Statistics  
PHD, Texas A&M University, 1996

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

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

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

## Majors

- Bachelor of Science in Statistics (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/statistics/bs/>)
- Bachelor of Science in Statistics and Master of Science in Statistical Data Science, 5-Year Degree Program (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/statistics/bs-ms/>)

## Minors

- Statistics Minor (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/statistics/minor/>)