



CARNEGIE MELLON STATISTICS & DATA SCIENCE



ENGAGE WITH STUDENTS ON RESEARCH PROJECTS

Work with faculty to create a project scope tailored to your needs. Students are hand-selected to participate from a pool of applicants, ensuring matched interests and skills.

UNDERGRADUATE STUDENTS

- Fall, Spring, and Summer opportunities
- 8, 15, and 32-week courses
- Teams of 2-4 students
- Faculty supervision and Ph.D. Project Fellow oversight

stat.cmu.edu/undergraduate

MASTER'S STUDENTS

- Spring capstone project for the Master's of Statistical Practice program
- 15-week project with regular check-ins
- Teams of 2-3 students
- Faculty supervision

stat.cmu.edu/msp

Sponsorship opportunities exist for annual events that attract top-tier talent from across campus and the Pittsburgh region.

Fall Semester

CMU SPORTS ANALYTICS CONFERENCE

stat.cmu.edu/cmsac

Spring Semester

WOMEN IN DATA SCIENCE CONFERENCE

stat.cmu.edu/wids

Spring/Fall Semester

TARTAN DATA SCIENCE CUP

stat.cmu.edu/tartandatasciencecup

Carnegie Mellon University
Statistics & Data Science

For more information, visit www.stat.cmu.edu or email Adam Causgrove at causgrove@cmu.edu.

UNDERGRADUATE STATISTICS & DATA SCIENCE AT CMU

- No. 1 statistics program in the U.S., 3 years in a row (collegefactual.com)
- Developed the first Statistics and Machine Learning undergraduate degree in the country



Degree Specializations:



STATISTICS AND MACHINE LEARNING

Focus on: Statistical computation, data science or “Big Data” problems

Additional skills: C++, Python, algorithms, data structures, grad-level machine learning, deep reinforcement learning, large data sets, text analysis, natural language processing



ECONOMICS AND STATISTICS

Focus on: Preparation for an advanced degree in statistics, economics or management, or a career in government, industry, finance, education or public policy

Additional skills: Microeconomics, macroeconomics, econometrics, extensive writing



STATISTICS: SELF-DEFINED CONCENTRATION

Focus on: Statistical thinking and data science, preparation for careers that require analytics and quantitative data skills

Common concentrations include: Business, computer science, social and decision sciences



STATISTICS: NEUROSCIENCE TRACK

Focus on: Data science with an emphasis on brain and behavior, or in neuroscience with an emphasis on data analysis

Additional skills: Cognitive psychology, neural computation, grad-level machine learning



STATISTICS: MATHEMATICS TRACK

Focus on: Preparation for a Ph.D. in statistics or a related field, or a career in which a strong background in statistical theory is valuable

Additional skills: Real analysis, probability models, discrete math, grad-level theory