

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

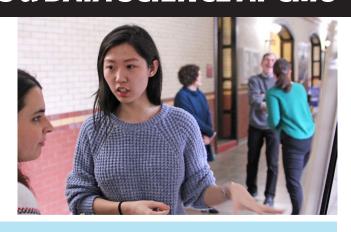
**Carnegie Mellon University**Statistics & Data Science

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







## 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

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