

# Carnegie Mellon University

## Statistics & Data Science

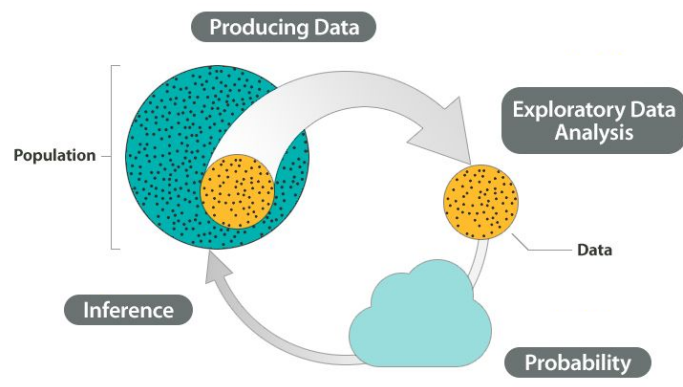
Statistics & Data Science Information Session

June 26, 2024

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Undergraduate Program Director  
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## Introduction

- What is Statistics?



# Introduction to Stat & DS at CMU

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- 1.** A Top Ranked Undergraduate Statistics Program in the Country (per collegefactual.com)
- 2.** Approximately 600 Current Undergraduate Students
- 3.** Five Majors and One Minor Option
- 4.** Experiential Learning & Research
- 5.** Careers

## Major and Minor Options

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- Statistics (Stat-core): most flexible of our majors, requires student-defined concentration
- Statistics & Machine Learning: most popular major
- Economics & Statistics: most specific course and curriculum requirements, work with two advisors
- Stat Math-Track and Stat Neuro-Track majors also available
- Statistics minor

## Major and Minor Options

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- All majors have the same required statistics courses
- Easy to move between majors
- All of our majors can be done within four years
- Most majors have room for additional major or minor

## Experiential Learning and Research

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- Research experience is most easily achieved through our available courses:
  - 36-490 – Undergraduate Research (junior/senior)
  - 36-497 – Corporate Capstone (junior/senior)
- Statistics and data science are collaborative by nature, our students are participating in research opportunities across departments:
  - History, English, Computer Science, Human & Computer Interaction, Mathematics, Politics, Healthcare, etc.
- Other experiential learning opportunities include the Summer Undergraduate Research Apprenticeship (SURA) and the Pittsburgh Summer Internship Program (PSIP)

## Career Information - [CPDC Outcomes](#)

- Roughly 70% of our graduates go straight into industry
  - Common job titles: Data Analyst, Data Scientist, Consulting Analyst, Strategy Analyst, Technology Software Architect Analyst, and Software Engineer.
- Approximately 20% of students pursue graduate school
  - Common graduate programs: Statistics, Machine Learning, Analytics, Mathematics, etc.

### First Destination Outcomes - Employment

Data Updated:  
1/12/2024

Graduation Year	Degree Level	Primary College	Primary Department	Major (Primary & Secondary)
(All)	Bachelors	Dietrich College of H&SS	Statistics and Data Science	(All)
Working	Continuing Education	Seeking	Other	Knowledge Rate
68%	23%	8%	1%	94.1%
321	111	38	5	475 / 505

\*\*Based on data from 2020-2023

## Career Information

- **Top Employers:** Amazon, Capital One, Microsoft, Accenture, Bank of America, Deloitte, Meta (Facebook), Goldman Sachs, and Google



\*\*Based on data from 2020-2023

Questions?



## Connect with Stat & DS

General questions about our programs/courses: [statadvising@andrew.cmu.edu](mailto:statadvising@andrew.cmu.edu)

Connect with Amanda Mitchell: [ajmitche@andrew.cmu.edu](mailto:ajmitche@andrew.cmu.edu)