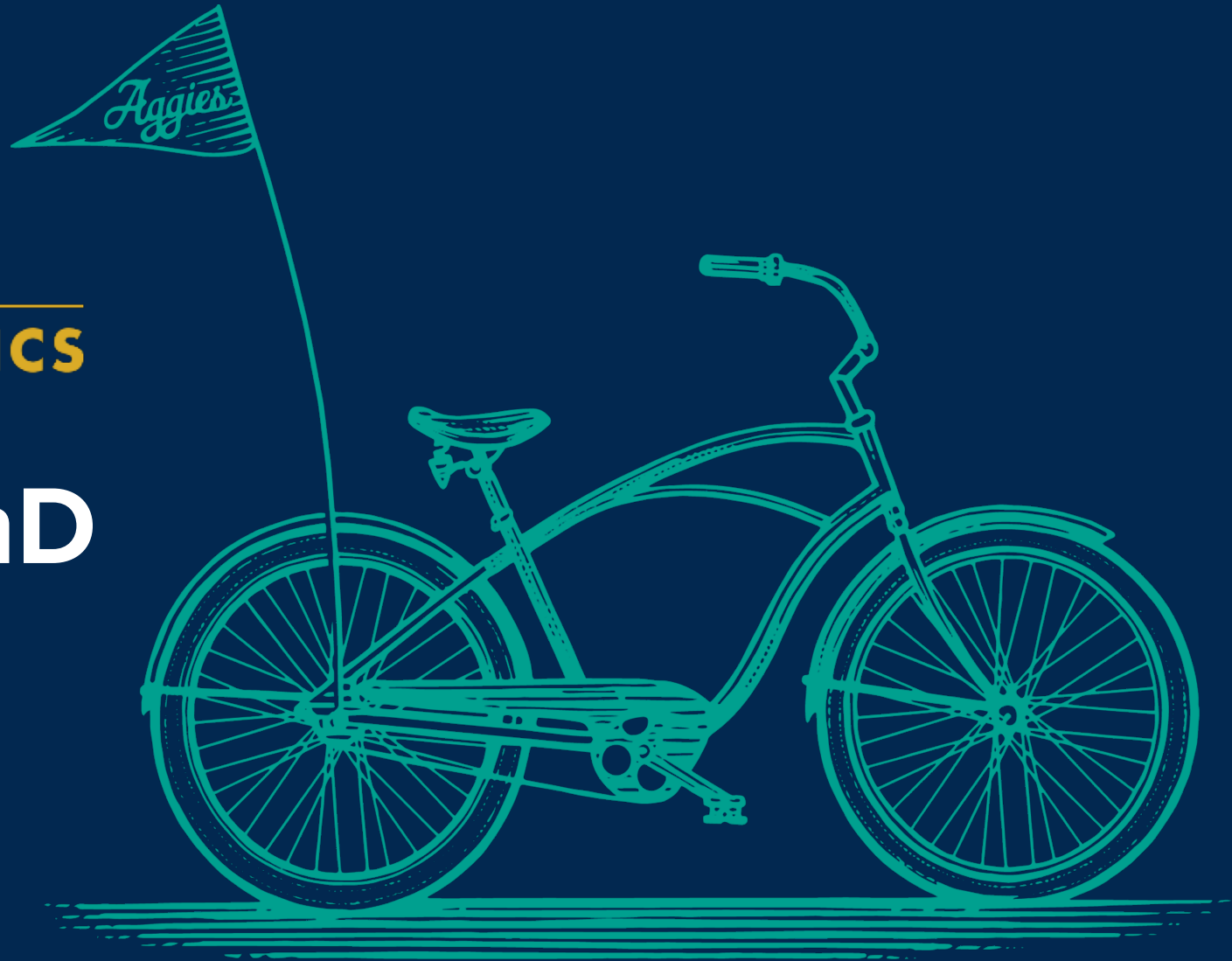


UCDAVIS
DEPARTMENT OF STATISTICS

Master's and PhD Info Session

November 15, 2024



UCDAVIS

Agenda

- Welcome
 - Jiming Jiang, Professor of Statistics & Department Chair
- Introduction to UC Davis and UCD Statistics
- Program Overviews & Admissions
 - Jie Peng, Professor of Statistics, Vice Chair for Graduate Affairs, Chair of MS Admissions Committee
 - Wolfgang Polonik, Professor of Statistics, Chair of DEI Committee, Chair of PhD Admissions Committee
- Life on campus, in Davis, and in UCD Statistics
 - Current UCD Statistics grad students
- Q&A



UC DAVIS

Welcome!

ABOUT UC DAVIS



UCDAVIS

ABOUT UC DAVIS



20,500 Bicycles on campus a day



40,848 Enrolled students



4,753 Enrolled grad students



100+ Graduate Programs



\$1 billion

Research funding for 2023 – 2024



UCDAVIS

In the middle of everywhere

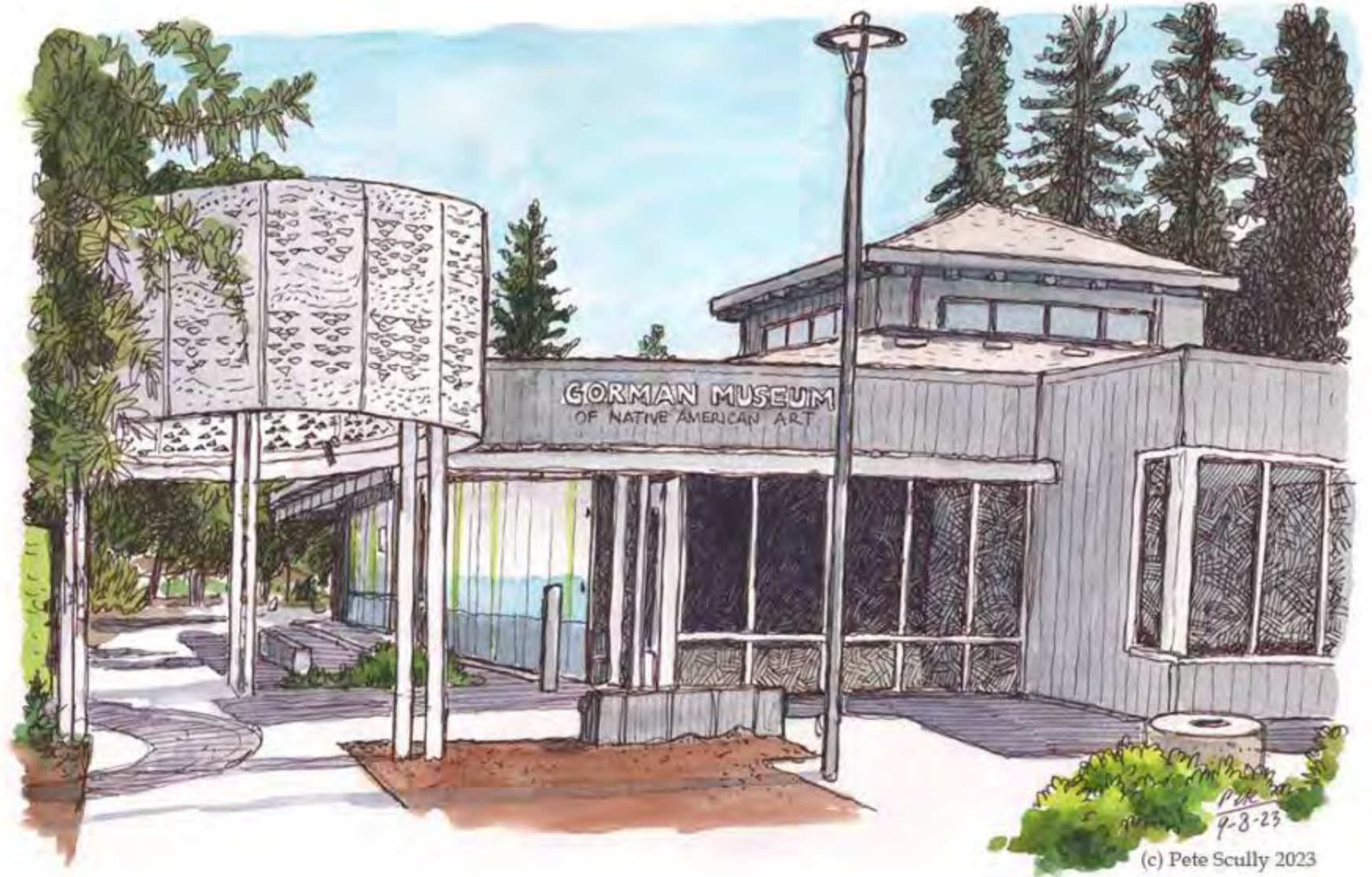
UC Davis is centrally located in Northern California. We're a day trip away from some of the most beautiful places in the world.



UC Davis Land Acknowledgement

We should take a moment to acknowledge the land on which UC Davis stands. For thousands of years, this land has been the home of Patwin people. Today, there are three federally recognized Patwin tribes: Cachil DeHe Band of Wintun Indians of the Colusa Indian Community, Kletsel Dehe Wintun Nation, and Yocha Dehe Wintun Nation.

The Patwin people have remained committed to the stewardship of this land over many centuries. It has been cherished and protected, as elders have instructed the young through generations. We are honored and grateful to be here today on their traditional lands.



(c) Pete Scully 2023

UC DAVIS STATISTICS



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UC DAVIS STATISTICS



56 Master's
students



46 PhD
students



29 Faculty



Ranked 13th in the U.S.,
tied with Yale & Cornell

Our department's strength is in theoretical research and the applied aspects of statistics, including modern data science and machine learning.

Our faculty have a wide range of research interests and are a balanced group of experts that play a major role in many campus activities and initiatives, such as transportation, genomics, and machine learning.

Faculty Research



Program Overview: Master's

Faculty Mentorship

Each student is paired with a faculty advisor to guide them through the program.

Time to Degree: 4 – 6 quarters

4 quarters

Well-prepared with a strong Math and Statistics background

5 – 6 quarters

Switching focus from undergraduate degree or for students who wish to explore more Statistics courses

Degree Components

Coursework

Varies depending on degree track

Comprehensive exam

Written exam that may include the use of statistical software

Tracks of Study

Standard Track

Theoretical, computational, and applied statistics.

Data Science Track

Acquire knowledge and tools to address the challenge of analyzing large and complex datasets. Elective courses may include Algorithm Design & Analysis, Database Systems, Artificial Intelligence or Machine Learning

Program Overview: PhD

Faculty Mentorship

Each student is paired with a faculty advisor to guide them through the program. As students progress and define their research focus, they find a major professor to guide their dissertation research.

Time to Degree: ~ 5 years

Tracks of Study

Standard Track
Biostatistics Track

Degree Components

Coursework: 54 – 55 units

Pre-qualifying Exam: written exam with a theoretical part and an applied part

Qualifying Exam: oral exam

Dissertation & Defense: final oral exam

Using Your Statistics Degree

You will graduate with advanced knowledge of:

- Mathematical statistics and probability
- Computational and applied statistics
- Data analysis
- Methods of research in statistics

You will graduate with the qualitative and quantitative skills necessary for:

- Professional research
- Consulting
- Teaching

Graduate Alumni Job Titles:

Actuarial Analyst
Assistant Professor
Business Systems Analyst
Clinical Data Scientist
Credit Risk Analyst
Data Analyst
Data Engineer
Data Scientist

Policy Analyst
Quantitative Analyst
SEM Analyst
Senior Analyst
Statistician
Statistical Analyst
Statistical Programmer



Alumni Careers

Biotechnology Companies

- 23andMe
- Acumen
- Amgen
- Bayer Crop Science
- Eclipse Bioinnovations
- Eli Lilly
- Grail
- Genentech
- Merck
- Pivot Bio
- Predicine, Inc.

Financial Institutions

- Affirm Inc
- Alipay
- American Express
- Bank of America
- Block
- Capital One
- Citi
- Coinbase
- Comerica Bank
- Credit Karma
- Ernst & Young
- First Republic Bank
- Headline
- Hundsun
- JP Morgan Chase & Co
- Mitsubishi UFJ Financial Group

- Munich Re
- PayPal
- Two Sigma
- Union Bank
- Wells Fargo

Tech Companies

- Adobe
- Apple
- Aurora
- Baidu
- C3 AI
- Coffee meets Bagel
- Didi
- Electronic Arts, Inc.
- Evernote
- FutureWei Technologies
- Gemini
- Google.ai
- Google
- Ignition One
- Intel
- Kensho Technologies
- JiangSu ManYun Software
- LinkedIn
- Lotame
- Meta
- Micron Technology
- Microsoft
- MobilityWare

- Niantic
- Oracle
- Otter.ai
- Snapchat
- Snowflake
- Take-Two Interactive
- Tencent
- Trusaic
- Twitch
- Uber
- Waymo
- WeChat
- YouGov

Insurance Companies

- AAA
- Allstate
- Capital Insurance Group
- CSAA Insurance Group
- Delta Dental
- Farmer's Insurance

eCommerce & Retail

- AirBnB
- Alibaba.com
- Amazon
- Carvana
- Coupang
- Etsy
- Groupon

- Houzz
- JD.com
- Nike, Inc.
- Redbubble
- StitchFix
- Walmart

Miscellaneous

- 81biz
- Aerospace Corporation
- BASF
- Bold.org
- California State Public Health Department
- CalPERS
- Chicago Cubs
- City of Edmonton
- DHL
- Ford Motor Company
- Lagunitas Brewing Company
- Lime
- Food and Drug Administration (FDA)
- PG&E
- Warner Bros. Entertainment
- Vereco

Funding, Employment, & Tuition



PhD Program

Funding is typically offered by the Statistics department through a combination of employment and fellowships.

MS Program

Funding is not typically offered, although MS students can apply for positions on campus.

All applicants are eligible to apply for Internal Fellowships offered by the office of Graduate Studies and are encouraged to do so at the time of the online application.

Funding, Employment, & Tuition

On-Campus

UC Davis offers several types of employment to graduate students. Students earn a salary and, depending on the type of employment, may have all or part of their fees paid as a benefit.

Grad Student Position	Salary	Tuition & Fee Remission	Nonresident Remission
Teaching Assistant (TA)	✓	✓	PhD only
Graduate Student Researcher (GSR)	✓	✓	✓
Associate Instructor (AI)	✓	✓	PhD only
Reader	✓	✓	
Student Assistant (STDT)	✓		

Off-Campus

Our grad students frequently obtain internships (both paid and unpaid) with companies in the surrounding areas.

Funding, Employment, & Tuition

Annual tuition fees below are for the 2024 – 2025 academic year.

California Residents:

Tuition & Fees: \$15,140.76

Health Insurance*: \$7,446

Nonresidents** & International:

Tuition & Fees: \$30,242.76

Health Insurance*: \$7,446

*Health insurance can be waived if you are covered elsewhere.

**U.S. citizens who are not CA residents can apply for CA residency after one year.

Admissions Prerequisites:

Master's

1

Bachelor's degree
with GPA of 3.0
or higher

2

One year of
calculus

3

One course of
linear algebra

4

Upper division
coursework in math
and/or statistics

5

Familiarity with a
programming language

6

GRE score of
295 or greater
(Quantitative and
Verbal combined)

Admissions Prerequisites:

PhD

1

Bachelor's degree
with GPA of 3.0
or higher

2

One semester or
two quarters of
advanced calculus
(at a level equivalent
to MAT 25 & MAT 125A)

3

One quarter of
linear algebra
(at a level equivalent
to MAT 67)

4

GRE score of
295 or greater
(Quantitative and
Verbal combined)



Application Deadlines for Fall 2025

PhD: December 1st, 2024
MS: January 15th, 2025

3 letters of recommendation

From recommenders who can attest to:

- Your academic abilities
- Your potential for success in grad school

Transcripts

Copies okay

Statement of Purpose

- Your academic preparation and motivation
- Interests, specializations and career goals
- Fit for pursuing graduate study at UC Davis

Personal History & Diversity Statement

- Purpose: to get to know you as an individual and potential graduate student
- Describe how your personal background informs your decision to pursue a graduate degree

GRE scores

GRE score of 295 or greater (Quantitative and Verbal combined)

Application Fee

- \$135 for U.S. applicants
- \$155 for international applicants

International Students

TOEFL or IELTS scores required unless you have earned or will earn a degree from either a regionally accredited U.S. college/university or a foreign college/university which provides instruction solely in English.

Life at UC Davis

A man with curly hair, wearing a light blue t-shirt and dark pants, is sitting on the ground next to a bicycle. He is looking down at a book or a tablet he is holding. The bicycle is lying on its side on a dirt path. In the background, there is a calm lake with a few ducks swimming. The lake is surrounded by lush green trees, some of which have pink blossoms. The scene is peaceful and scenic.

UCDAVIS



Life on Campus

Student Resources Walker Hall & Graduate Center

The Graduate Center houses a variety of spaces for grad students including:

- Office space
- Quiet writing room
- Parent study room
- Informal interaction areas
- Small meeting rooms
- Conference rooms for graduate student events
- Graduate Student Association Food Pantry



Life on Campus

Recreation

Mondavi Center for the Performing Arts

Mondavi Center

- 50+ productions visit annually
- 50% discount for students (plus one free ticket)

Museums & cultural centers: art, entomology, and more

Activites & Recreation Center: state-of-the-art fitness and recreational facility

Craft Center: classes and art studio space



Life on Campus ...and in Davis

Bicycle culture

UCD sheep mowers

- Bicycle capital of the U.S.
- Home of the United States Bicycling Hall of Fame
- 63 miles of bike pathways
- 102 miles of dedicated bike lanes
- 4,300 bike racks

Life in Davis

Downtown Davis

Walkable downtown adjacent to campus with shopping and diverse food options!

Farmers Market: Year-round on Saturdays at Central Park in downtown Davis, on campus outside the Student Community Center in fall and spring.

Local Events

- Bike Auction (biannual)
- Community races and marathons (bicycle, walking, and running)
- Davis Music Fest
- Whole Earth Festival



UC DAVIS

Life in Statistics

Friendly, supportive, and active community

Fall Welcome Spooktacular

- Weekly seminars with UCD faculty and guest speakers from across the country
- Fun department events:
 - Tea Time on Wednesdays
 - December holiday party
 - Lunar New Year celebration
 - Spring Picnic
 - And more!



Current Students



Questions?

statistics.ucdavis.edu



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Thank you!

We look
forward to
receiving your
applications.

UCDAVIS