VIRTUAL OPEN HOUSE ON STATISTICS GRADUATE PROGRAMS

Nov. 29, 2022
# Program for Open House

<table>
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<th>Speaker</th>
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<tr>
<td>Dr. PS Ji; Assoc Head</td>
<td>Introduction to Statistics Department</td>
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<td>Dr. PengSheng Ji</td>
<td>Network data &amp; Machine Learning in Statistics</td>
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<td>Dr. Mandev Gill</td>
<td>Infectious Disease Research</td>
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<td>Dr. Liang Liu</td>
<td>Understanding the COVID-19 Pandemic</td>
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<td>Dr. Lynne Seymour</td>
<td>Statistical Climatology &amp; Agricultural Precision</td>
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<td>Dr. Abhyuday Mandal</td>
<td>Computer Experiments In Design</td>
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<td>Dr. MKS Faradonbeh</td>
<td>Reinforcement Learning</td>
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<td>Dr. Dan Hall; SCC Dir.</td>
<td>UGA Statistical Consulting Center</td>
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<td>Dr. Jaxk Reeves; GC</td>
<td>Statistics Graduate Programs</td>
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## Graduate Student Panel

<table>
<thead>
<tr>
<th>Name</th>
<th>Status</th>
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<tbody>
<tr>
<td>Alayna Daws</td>
<td>1\textsuperscript{st}-year MS Student</td>
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<tr>
<td>Katherine Hu</td>
<td>2\textsuperscript{nd}-year MS Student</td>
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<tr>
<td>Maninder Kaur</td>
<td>2\textsuperscript{nd}-year Dual-degree MS Student</td>
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<tr>
<td>ShiYuan Deng</td>
<td>4\textsuperscript{th}-year PhD Student</td>
</tr>
<tr>
<td>Greg Ellison</td>
<td>3\textsuperscript{rd}-year PhD Student</td>
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AREAS THAT NEED STATISTICS

- Physical Science
  - Astronomy, Chemistry, Physics
- Health and Medicine
  - Biology, Genetics, Clinical Trials, Epidemiology, Pharmacology
- Social Science
  - Education, Psychology, Anthropology
- Government
  - Census, Law, National Defense
- Business and Economics
  - Marketing, Financial Analysis
- Environment
  - Agriculture, Ecology, Forestry, Animal Population
The Graduate School

Enrollment in Fall 2022: 9,859 students

Total Fall 2022 Enrollment 41,440

UGA is ranked 47th in national university and 15th in public school rankings (U.S. News & World Report’s 2021)
ATHENS, GEORGIA

- Centrally located in Georgia and only 1 hour away from Atlanta

- Plenty of Activities
  - Professional Development
  - Indoor
  - Outdoor
  - Family

- Downtown

- Campus

Athens:
http://onlineathens.com/
http://www.redandblack.com/
http://www.ajc.com/
www.flagpole.com
- Was originally formed in 1964 as Dept of Statistics and Computer Science
- In 1984, became Dept of Statistics
- 31 Current Faculty Members
  - 9 Professors, 6 Assoc. Professors, 5 Assist. Professors, 11 Non-tenure track faculty
- 1 Staff Member
- Graduate Students
  - Around 25 MS, 30 Secondary MS, 45 PhD
# Graduate Student Demographics
## Fall 2022

<table>
<thead>
<tr>
<th>Degree Program</th>
<th>Number of students</th>
<th>Number Male</th>
<th>Number Female</th>
<th>From USA</th>
<th>From China</th>
<th>From Rest of the World</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS</td>
<td>29</td>
<td>13</td>
<td>16</td>
<td>17</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>MS-2</td>
<td>30</td>
<td>13</td>
<td>17</td>
<td>6</td>
<td>11</td>
<td>13</td>
</tr>
<tr>
<td>PhD</td>
<td>40</td>
<td>24</td>
<td>16</td>
<td>4</td>
<td>29</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td>99</td>
<td>50</td>
<td>49</td>
<td>27</td>
<td>50</td>
<td>22</td>
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5 required + 6 elective 3-hour courses; maintain GPA of 3.00 or higher

- **Core requirements (5 Courses)**
  - Linear Models: STAT 6420-6430
  - Mathematical Statistics: STAT 6510-6520
  - Consulting: STAT 8000

- **Elective requirements (6 Courses)**
  - Non-thesis option: Choose 6 electives and pass Qualifying Exam (85%)
  - Thesis option: Choose 4 electives, 2 STAT 7300, write a thesis (15%)

- **Qualifying exam**: Offered in early August and early January
  - Two-day take-home data analysis exam

Program typically requires one and one-half to two years of study
Dual-Degree MS PROGRAM (MS-2)

- Same requirements as MS degree
- Typically earned by PhD students in other scientific fields
- Program typically requires about 2-3 years of study
- Very popular with international students
PhD PROGRAM

- Maintain GPA of 3.00 or higher in 9 required + 6 elective courses
- Core requirements
  - 1st-year Linear Models: STAT 6420-6430 and STAT 8260
  - 1st-year Mathematical Statistics: STAT 6810-6820
  - Second-Year core: Probability Theory, Advanced Inference, Statistical Computing, Bayesian Analysis
- Qualifying exams: Offered once per year in early August
  - Theory: one-day open book exam
  - Data Analysis: four-day take-home data analysis
- Comprehensive exams: third-year
  - Advisory committee
  - Written and Oral
- Dissertation proposal: fourth-year
- Dissertation defense: fifth-year
- Typical program requires 5 years (4 if entering with M.S.)
Placements of Recent Graduates

**PhD:** Arizona State U.; Apple; FDA; Indiana U; Duke U; Clemson U; SMU; U. Tennessee; U. Oregon; U. Virginia; State Farm; Wells Fargo; Facebook; Workday; Sprint; Drake U; Johnson & Johnson; Capital One; ING Direct; City Bank; Capital One; College of Charleston; Lexis-Nexis; Liberty Mutual; JP Morgan Chase; Synovus, Atlanta; Virginia Commonwealth; William & Mary, etc.

2022: 11 PhD Graduates (1 Prof; 2 Post-doc, 8 statistician)
2021: 11 PhD Graduates (1 Prof; 5 Post-doc, 5 statistician)
2020:  7 PhD Graduates (4 Prof; 2 Post-doc, 1 statistician)
2019:  6 PhD Graduates (4 Prof; 0 Post-doc, 2 statistician)

More at https://www.stat.uga.edu/phd-alumni-and-job-placements

**MS & MS-2:** Apple; Assurant, Atlanta; Coca-Cola; Sun Trust; Munich Reinsurance; Lexis-Nexis; Black Arch, DC; Centers for Disease Control and Prevention; Ernst & Young, NYC; James Madison University; Merial, Atlanta; State Farm, Atlanta; U Virginia; US Department of Agriculture, St. Louis; and more.
APPLICATION DEADLINES

For applicants seeking financial support:
- January 1 (Fall semester)
- Other deadlines ->

Other documents
- Three letters of recommendation
- Transcript(s)
- SOP and Resume (CV)
- Official IELTS scores (if applicable to international students)
- GRE is useful, but not required
- http://www.grad.uga.edu

Not Seeking Support:
- Domestic Applicants
  - Fall------------------------July 1
  - Spring -------------------November 15
- International Applicants
  - Fall------------------------April 15
  - Spring -------------------October 15
ADMISSION REQUIREMENTS

- Departmental requirements
  - GRE (not required, but useful)
    - At least a some background in Statistics
    - At least some background in Computing/Software
    - Three semesters of Calculus
    - One Course in Linear algebra

- Departmental evaluations
  - Performance in mathematical and statistical coursework
  - Recommendation letters

- Other documents
  - Statement of purpose
  - Resume (CV)
  - See https://www.stat.uga.edu/prospective-graduate-students-0
Two-fold process (Most decisions for Fall are posted in February)

1. Department
   - Academic department faculty review file
   - Department submits recommendation to accept or refuse applicant to Graduate School

2. Graduate School (GS)
   - GS reviews files of applicants recommended for acceptance
   - If GS agrees with department decision, applicant is admitted
   - Applicant receives official acceptance letter from Grad School
FUNDING OPPORTUNITIES

- Typically, 6-12 (PhD) and 5-7 (MS) new supported admissions

- Types of Financial Support (# Currently Holding)
  - Graduate School Master’s Award and Doctoral Award (1)
  - Research Assistantship (12)
  - Internship (2)
  - Teaching Assistantship (25)
  - Consulting Assistantship (5)
  - Graduate School Assistantship (2)
  - MAGNet Program sponsored by State Farm (5)
  - Graduate Out-of-State Tuition Waivers
  - Regent’s Out-of-State Tuition Waivers
MAGNET PROGRAM (STATE FARM)

- Select 6-8 MS students
- US citizens or permanent residents
- Interviews on site or by phone
- Summer internship plus one-year assistantship
- 20 hours per week
- Supervised by State Farm
A lot of information available at www.stat.uga.edu

If you have any questions, feel free to email the Graduate Coordinator: Jaxk Reeves, jaxk@uga.edu