Teaching Focused Careers in Colleges, Universities, and Industry

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In my case, teaching load was higher in research universities when compared to research faculty but not when compared to faculty at liberal arts colleges.
University of California Irvine

1 of the 10 UC campuses.

36,032 students
29,736 undergraduate students
6,296 graduate students
First generation undergraduates: 44%

Quarter System
Department of Statistics

2 Professors of Emeriti
13 Tenure track faculty
3 + Lecturers

42 Ph.D. students
46 M.S. students
Typical week

Teaching
Office Hours
Teaching office hours
Meeting with TAs and graders
Course prep

Meeting(s) with collaborators
Work on projects
Some weeks: Service meetings
Department meeting

Photo is from good old pre-pandemic days
Rewards & Challenges
Small class sizes
Large class sizes
Working with a team of TAs and graders 🏆
Working with graduate students on pedagogical projects

Federica Ricci

Wendy Rummerfield
Immediate feedback from students 🏆
Convincing other faculty teaching is as important as research in statistics departments.
Resources
Networks
• **Section on Statistics and Data Science Education Mentoring Program**
• **Preparing to Teach Workshop**
• **Isolated Statisticians** Interest Group
• Preparing to Teach (National Program – check your own institution's)
• **MAA’s Project NExT**
• **Antiracist Statistics Educators**
Books
Blogs
Citizen Statistician

Learning to swim in the data deluge

citizen-statistician.org

Rob Gould
Mine Çetinkaya-Rundel
Andy Zieffler
Data Pedagogy

Thoughts longer than a tweet, shorter than a manuscript on data, pedagogy, and data pedagogy

www.DataPedagogy.com

Mine Dogucu
Tips for the Job Market:
Before
• Teach! Even if it is an hour long workshop.
• Check your school’s education courses or certificates in college teaching.
• Have a website.
• Be vocal (beyond statistics networks as well).
• Make connections at JSM and at other conferences.
• Prepare your job application materials (at least in first draft) the summer before.
Tips for the Job Market: During
• Reach out to the person who posted the job / point of contact.
• Ask what is considered “research” for teaching faculty.
• Ask about the tech infrastructure and support.
• Be emotionally ready to meet faculty who look down on teaching.
• Ask about dual-career support (?)
Tips for the Job Market: After
• Teaching load for the first few years is negotiable.
• Ask about support after tenure (in some schools).
• If you are an immigrant, it is your right to ask what kind of immigration support the employer provides.
• Moving is more costly than you think it is.
Tenure Track Searches for PhD in Statistics (or related fields): 
**Isostat** Edition for JSM 2020

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<thead>
<tr>
<th>Institution</th>
<th>Job post</th>
<th>JSM contact</th>
<th>JSM contact email</th>
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</thead>
<tbody>
<tr>
<td>Colgate University</td>
<td>Will be posted later</td>
<td>William Cipolli</td>
<td><a href="mailto:william.cipolli@gmail.com">william.cipolli@gmail.com</a></td>
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<tr>
<td>Drew University</td>
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<td>Sarah Abramowitz</td>
<td><a href="mailto:sabramow@drew.edu">sabramow@drew.edu</a></td>
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<tr>
<td>Gustavus College</td>
<td>Posted on mathjobs</td>
<td>Jillian Downney</td>
<td><a href="mailto:jdowney@gustavus.edu">jdowney@gustavus.edu</a></td>
</tr>
<tr>
<td>Smith College</td>
<td>Will be posted later</td>
<td>Miles Ott</td>
<td><a href="mailto:mott@smith.edu">mott@smith.edu</a></td>
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