



# Preparing to Teach

2019

# Logistics

- ▶ Slack: <http://bit.ly/ptt-slack>
- ▶ Materials: <http://bit.ly/ptt-repo>

Time	Event
8:15-9	Welcome and introductions
9-10:15	Session 1: GAISE recommendations, and teaching-focused career opportunities
10:15	10:30 - Break
10:30	11:30 - Session 2: Education research and opportunities for grants
11:30	1 - Lunch / Roundtable
1 - 2	Session 3: Teaching intro stats and assessing learning
2 - 3	Session 4: Teaching intro data science and assessing learning
3 - 3:15	Break
3:15 - 3:45	Session 5: Mentoring undergraduate researchers
3:45 - 4	Wrap up and moving forward

# Introductions

- ▶ Name
- ▶ Affiliation
- ▶ Where are you in your career?
- ▶ One characteristic of your most / least favorite teacher.

# Lunchtime Roundtables

- ▶ Preparing a statement of teaching philosophy and plan for intellectual development
- ▶ Preparing for a teaching-focused job search
- ▶ Best practices for teaching introductory statistics and data science
- ▶ *Ideas for any others?*
  - ▶ ***Lunch ideas thread on Slack:*** *If you have ideas for other roundtables, add them to the thread here. And if you like someone else's idea,*

# One characteristic of your most / least favorite teacher

- 👍 Organized
- 👍 Intentional humor
- 👍 Wants students to succeed
- 👍 Industry experience
- 👍 Engagement
- 👍 Confidence in material but also willingness to acknowledge mistakes
- 👍 Encouraging to hard workers
- 👍 Inclusivity front and center, including datasets used in examples
- 👍 Enthusiasm and passion
- 👍 Chalk and board
- 👍 Lots of assignments, but also lots of support / office hours
- 👍 Ability to read the room and sense where confusion might arise
- 👍 Ability to explain the same thing in multiple ways without being condescending
- 👍 A teacher that wants to teach
- 👍 Noting “good question” to students & encouraging them to ask more
- 👍 Storytelling
- 👍 Knowing when students need a little kick “you can do it” vs. when they need to hear “it’s ok”
- 👍 Taking undergrad research seriously

- 👎 Kept going over time
- 👎 Repeated textbook verbatim
- 👎 Too unstructured
- 👎 Unwillingness to admit mistakes
- 👎 “This is trivial” and skipping steps / going too fast
- 👎 Talking \*at\* the students
- 👎 Not recognizing other perspectives