

Earth 194 DE: Readings in Geoscience DEI

Week Five: Field Experiences

What I need to bring:

- Ipad with papers annotated
- These notes printed

Agenda:

☐ Attendance

- Reminder about title IX and CAPS/CARE resources - I am a mandatory reporter, not a confidential resource
- Acknowledge that this topic can be sensitive to discuss and re-emphasize that the discussion space is meant to be open and judgment free
- Emphasize step up/step up/one mic system

Serial Testimony (1 of 3) - 4th question just for my use to evaluate learning goals

1. In figure 1 of Jensen et al. 2021, the authors present data about factors that affected or limited students willingness to participate in field experiences - was there anything that stood out to you in particular in this data set? Why or why not?
2. Clancy et al. 2014 focused on the climate of field experiences - if you have done field work before, how would you describe the climate during your experience(s)? If you have not done field work, what are your perceptions of the culture of fieldwork more broadly?
 - a. *my experiences as an oceanographer are very different than geology - with navy ships there are super clear protocols and training and hierarchy - people are also doing their job on the boat - not that this has been without any sexism - mostly a crew of males with more female scientists - there was a football tournament buy in and they didnt ask any of the women to participate, but did ask the male scientists - even though one of the people there was a huge football fan! But overall I really liked the structure and support happening during oceanographic field work, at least with the times I have spent on ships, which have all been US vessels operated by the Navy. Geography field work I have always really disliked - I have a lot of incidents from my field work with sexism with respect to going to the bathroom - specifically where I would ask a male superior what the plan was for restroom breaks for women - when we did small boat operations I asked what the situation was because big boats always have bathrooms and we were spending 8 hours on the small boat collecting samples. He said to just pee off the side of the boat and "figure it out" so I didnt drink any water for the 12 hours before the trip. On a class field trip, it was the same issue - where the supervisor had clearly just not thought about this problem before. There was also this big toughness culture that permeated both oceanography and geological field trips, but*

was especially clear in geology. It was clear that you had to just “toughen up” and deal with being hot and tired. When some of us were experiencing heat stroke, we asked to go back to the car and were told no. I went anyway and got reprimanded. I just remember there being such a clear lack of accommodations. We were supposed to learn about anticlines that day, but I was too distracted by all of this to care.

3. The readings this week employed large scale surveys rather than smaller scale interviews, emphasizing quantitative over qualitative data. What are the pros and cons of these two approaches we have seen in the readings so far? When do you think it is better to use surveys versus interviews for geoscience DEI investigations?
 - Summary from 4th question - people feel like we are making good progress overall on their own learning goals and the instructors but multiple people mentioned more talk about changing things at UCSB and institutions, so Ill try to make sure we have extra time for that discussion moving forward

Discussion questions

- What barriers, both before field work and during, exist for other groups not discussed here? Like BIPOC or disabled folks?
- What lessons can we leverage here at UCSB and more generally UC system
 - Trainings online, like with sexual harassment, but specifically for the field
 - Problem with top down vs bottom up issues like last week!
- The paper talked a lot about witnessing microaggressions in the field -Has anyone witnessed them? How can we respond and advocate for others in that situation you experienced micro aggressions or even macro aggressions in the field? Or witnessed them?
- What would a follow up study look like?