

Broadening Participation in Environmental Data Science

You are being asked to participate in a research study being conducted by Dr. Cat Fong at the University of California, Santa Barbara. Participation is voluntary. The purpose of this research study is to understand barriers and solutions to broadening participation in Environmental Data Science (EDS).

If you choose to be in the study, you will complete an online survey. The survey will take about 15 minutes to complete. You can skip questions that you do not wish to answer or stop the survey at any time. The survey is anonymous and no one will be able to link your responses back to you. Please do not include your name or other information that could be used to identify you in the survey responses.

If you have any questions regarding your rights as a research subject, please contact the Human Subjects Committee at (805) 893-3807 or hsc@research.ucsb.edu. Or write to the University of California, Human Subjects Committee, Office of Research, Santa Barbara, CA 93106-2050. If you have questions about the research, you can email me at fong@nceas.ucsb or halpern@nceas.ucsb.

If you want to participate in this study, please continue

PART 1: DEMOGRAPHICS

1. How old are you?

Mark only one oval.

- <20
- 21-30
- 31-40
- 41-50
- 51-60
- 62-70
- 71-80
- 81-90
- 91-100
- 100+

2. 1. Do you have a disability? Check all that apply (disability definitions match the US Census questionnaire)

Check all that apply.

- Hearing difficulty- deaf or having serious difficulty hearing (DEAR).
- Vision difficulty- blind or having serious difficulty seeing, even when wearing glasses (DEYE).
- Cognitive difficulty- Because of a physical, mental, or emotional problem, having difficulty remembering, concentrating, or making decisions (DREM).
- Ambulatory difficulty- Having serious difficulty walking or climbing stairs (DPHY).
- Self-care difficulty- Having difficulty bathing or dressing (DDRS).
- Independent living difficulty- Because of a physical, mental, or emotional problem, having difficulty doing errands alone such as visiting a doctor's office or shopping (DOUT).
- Other disability not described
- No
- Other: _____

3. Which category or categories below best describe(s) your gender? (select all that apply)

Check all that apply.

- Woman
- Man
- Non Binary
- Prefer not to respond
- Other: _____

4. What best describes your sexual orientation?

5. Do you reside in the United States?

Mark only one oval.

- Yes
- No
- Other: _____

6. Which races or ethnicities best describe you (check all that apply)?

Check all that apply.

- Asian (e.g. Asian American, Chinese, Filipino, Asian Indian, Korean, Japanese, etc)
- Black (e.g. African American, Jamaican, Haitian, Nigerian, Ethiopian, etc)
- Hispanic, Latino/a/e/x (e.g. Mexican or Mexican American, Puerto Rican, Cuban, Salvadorian, etc)
- Middle Eastern or North African (e.g. ME/NA America, Lebanese, Iranian, Egyptian, Moroccan, etc.)
- Native American or Alaska Native (e.g. Navajo Nation, Blackfeet Tribe, Mayan, Aztec, Nome Eskimo Community, etc.)
- Native Hawaiian or Other Pacific Islander (e.g. Samoan, Chamorro, Tongan, Fijian, Tahitian, etc)
- White (e.g. Caucasian American, German, Irish, Italian, French, English, etc.)
- I prefer not to disclose
- Other: _____

7. What is the highest level of education achieved by any parent?

Mark only one oval.

- No formal education
- Some K-12, no degree
- High school or GED
- Some college credit, no degree
- Associate degree
- Bachelor degree
- Master degree
- Professional degree
- Doctoral degree
- Other: _____

8. Did you ever qualify for free lunch programs in K-12?

Mark only one oval.

- Yes
- No
- Does not apply

9. In what zip code do you live?

PART 2: PROFESSIONAL EXPERIENCE IN EDS

10. What is the highest level of education you have completed?

Mark only one oval.

- No formal education
- Some K-12, no degree
- High school or GED
- Some college credit, no degree
- Associate degree
- Bachelor degree
- Master degree
- Professional degree
- Doctoral degree
- Other: _____

11. What most closely matches the area of study for your highest earned degree?

Mark only one oval.

- Biology
- Computer Science
- Data Science
- Ecology
- Environmental Science
- Geography
- Public Health
- Statistics
- Urban Planning
- Other: _____

12. What best describes your sector of employment?

Mark only one oval.

- Academia
- Government
- Healthcare
- Industry
- NGO
- Other: _____

13. What is your current position/ job title?

14. How many years of experience do you have in EDS?

15. What is your average annual income (individual, not household)?

Mark only one oval.

- Unpaid
- Less than \$25,000
- \$25,000 to \$49,000
- \$50,000 to \$99,000
- \$100,000 to \$199,000
- \$200,000 or more

16. Is your employment agreement contract, permanent, or other (fill in)?

Mark only one oval.

- Full-time (fixed term) contract
- Part-time (fixed term) contract
- Freelance contract
- Full-time permanent
- Part-time permanent
- Other: _____

PART 3: Opinion and perspective on participation in EDS

(Based on your personal experience)

17. How likely are you to stay in EDS as a profession in the next year?

Mark only one oval.

extremely unlikely

1

2

3

4

5

extremely likely

18. How likely are you to stay in EDS as a profession in the next 5 years?

Mark only one oval.

extremely unlikely

1

2

3

4

5

extremely likely

19. How likely are you to stay in EDS as a profession in the next 10 years?

Mark only one oval.

extremely unlikely

1

2

3

4

5

extremely likely

20. Why did you choose your responses to the previous 3 questions?

21. What are the barriers, if any, that you have faced in participating in EDS?

22. What has facilitated your participation in EDS?

23. In your opinion, what are the most urgent priorities for broadening participation in EDS?

24. Thank you! Please use this space to share anything else you would like to share that we did not ask.

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