

Background

1. Could you tell me a bit about who you are and what you do?
 - a. If not mentioned: Are you working full time or part time? How long have you been in this position?
2. In your own words, how would you define open source software?
3. (If the individual indicated previous experience) What's your experience with OSS?
 - a. Have you used OSS in your work?
 - b. Have you participated in any OSS projects? (e.g. contributed code, issued a pull request, submitted issues)
 - c. Have you been a maintainer or owner of any OSS projects?
4. What do you think of the level of demographic diversity in the contributor community?
 - a. What do you think about the level of diversity in OSS more specifically?

Think-Aloud

<transition - explain think aloud>

We previously conducted a census and collected GitHub trace data, Now we want to deliver the results to the public about the gender distribution in OSS. We aim to offer insights to practitioners and researchers in this area.

In the rest of this session we're going to show you some designs of our website that presents the OSS women's participation results from our research. There's no right or wrong answers but we want to observe your thinking process as you interact with the website.

We will ask you to complete some tasks via our website and would like you to do a think-aloud. What we mean by think aloud is that we'd like you to describe everything

you're thinking or wondering about while looking at reports and completing the tasks on the website.

For example, if I would like to 'raise my hand' on Zoom, I would say: I want to look for a place to click to and raise my hand. Oh, I see this reaction icon on the right bottom of my screen. This looks like the right place to raise a hand because when I click here, I can see a hand emoji in the pop-up.

We won't answer questions during think-aloud, but you can say them aloud if they cross your mind. The most important part is that you keep talking, so if you are silent for any length of time, we may prompt you to continue speaking your thoughts aloud.

Task Prompts:

1. *% Women Contributors (Comparisons, Ecosystems, Quick Facts)*
 - a. Find out how the percentage of women contributors has changed since 2008 to 2019 in OSS.
 - b. Find out how the percentage of women contributors changed in the Pypi package manager from 2008 to 2019.
 - c. Find out the percentage of women contributors to the Python community in 2017.
2. *Comparisons (Comparisons)*
 - a. Compare the gender distribution of Pypi contributors with the gender distribution in Rubygems in 2012. Which package manager has a greater proportion of women contributing?
 - b. Find out which community has the highest women's participation in 2015.
 - i. Can you think of any possible reasons?
 - c. Find out which community has the smallest population in 2015.

Post-Task:

1. What is your biggest takeaway after browsing the website?

2. Did this raise any questions or suggest information you'd like to explore further?
3. Were you confused at any point during the process?
 - a. (could suggest our observations and brought up to discussion) I saw you struggled on...what confusion do you have at that point?
4. What did you like the most / least about this website?
 - a. If you're given a chance to edit this website, what would you add or remove?
5. Is there anything you would like to tell us or any questions you want to ask?

Demographics:

To conclude, I have some demographic questions to report on the sample of our participants. If you're uncomfortable answering any of them, feel free to ask us to skip the question.

1. What is your gender?
2. I'm going to list out some age brackets. So just stop me when I get to your age bracket. So 18 to 24, 25 to 34, 30 to 44, 45 to 50.
3. What is your racial identity?

Ending Words

Thank you for your time to participate in this user study! Now you can stop your screen-share. If you have any questions or concerns, feel free to contact us. Hope you have a great day.