

Block 4

"X Hack Week" "YEAR" Survey

University of Washington Consent to Participate in Survey Research Data Science Practice and Culture

Purpose and Procedure

We (**NAMES HERE**) are asking you to take this survey because you were a participant at "**X Hack Week**". We are studying how scientists learn to work with complex datasets and computational tools, so that we can better plan and support future events like "**X Hack Week**". We are also studying the changing landscape of data-intensive science more broadly, and so we will also ask some questions about topics like open science and reproducibility.

If you agree to take the survey, it will take about 20 minutes. There is a progress bar at the top of each page, so you can know how far along you are.

Rights and benefits

Taking this survey is completely voluntary. You can stop at any time, and you can leave any question blank. There are no direct benefits to you taking the survey and there is no penalty for choosing to not participate. However, we are using this data to help plan the next **X Hack Week** and to better understand how to support similar events in the future.

Confidentiality

Your study data will be handled as confidentially as possible. No names or affiliations will be collected, and we have sought to minimize our collection of

potentially personally-identifiable information. We will optionally ask for broad demographic information, and there are free-form questions where you may be able to personally identify yourself in your responses.

We will not attempt to infer the identity of any individual from demographic or free-form responses. We may use quotes from your free-form responses in blog posts, reports, or articles about "**X Hack Week**". If we quote you, we will use at most one demographic category to attribute you (e.g. "a postdoc participant at **X Hack Week**" or "a male participant at **X Hack Week**").

We will securely store raw survey data in Qualtrics, a survey system authorized by UW to store data in a manner compliant with HIPAA and HITECH standards. The only people who will have access to the full survey data will be the organizers of "**X Hack Week**" and the ethnographers studying "**X Hack Week**".

When the research is completed, we may save the data for use in future research. We will retain these records for up to 24 months after the study is over. The same measures described above will be taken to protect confidentiality of this data.

Questions

If you have any questions about this research, please feel free to contact "**Name (email)**".

If you agree to take part in the survey, please continue.

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Were you an instructor?

- ☐ Yes
- ☐ No

How did you first hear about "**X hack week**"?

In one sentence, describe what "**X Hack Week**" is, as if you are explaining it to one of your colleagues.

How likely would you be to recommend participation in "**X Hack Week**" to a friend/colleague (0: not at all, 100: certainly)?

0 10 20 30 40 50 60 70 80 90 100

In one sentence, describe what you think "hack" means.

Approximately how many different hack projects did you work on at "**X Hack Week**"?

BEFORE you came to "**X Hack Week**", how much were you hoping to learn about the following topics during the event?

	Not at all	A little	Some	A lot	Almost exclusively	I'm not sure
X Science Domain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Statistics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Machine learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Programming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Image processing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Visualization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Big data methods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cloud computing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data processing pipelines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hacking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Rate how much you think you learned about the following topics at "**X Hack Week**":

	Nothing	A little	Some	A lot	Almost exclusively	I'm not sure
X Science Domain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Statistics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Machine learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Programming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Image processing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Visualization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Big data methods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cloud computing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data processing pipelines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hacking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please check the boxes for the language(s) with which you can execute the tasks listed. (check all that apply)

	Python	R	Julia	Matlab	Java	JavaScript	C/C++	Shell scripting e.g. bash
Never heard of this language	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heard of this language, but never used it	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Print "Hello world!" to console	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Write any function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Read data from tab-delimited file	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Python	R	Julia	Matlab	Java	JavaScript	C/C++	Shell scripting e.g. bash
Import a library package	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Produce a plot or graph	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scrape a web page	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Train

What kind of things did you learn at "X hack week"?

What would you liked to have learned more about at "X hack week"?

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You were in several different spaces throughout the week. How good or bad were these spaces at supporting the activities in that room?

	Very Bad	Poor	Fair	Good	Very Good	Did not experience
eScience Data Science Studio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Room X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Room Y	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Room Z	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

What did you like about any of the spaces we were in?

What did you dislike about any of the spaces we were in?

On average, how enjoyable did you feel the following activities were for you?

	Not enjoyable	Slightly enjoyable	Somewhat enjoyable	Highly enjoyable	Extremely enjoyable	Did not experience
Tutorials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hack sessions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Breakout sessions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

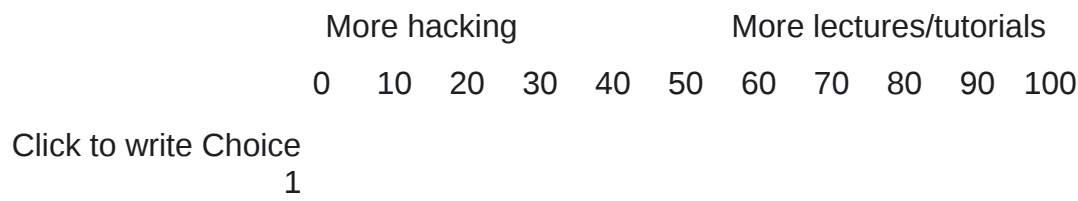
On average, how educational did you feel the following activities and sessions were for you?

	Not educational	Slightly educational	Somewhat educational	Highly educational	Extremely educational	
Tutorials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Hack sessions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Social events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Breakout sessions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

On average, how useful did you feel the following tutorials were? (LIST EACH SPECIFIC TUTORIAL) - optional question to help determine who to invite back

	Not useful	Slightly useful	Somewhat useful	Highly useful	Extremely useful	Did not experience
Title, speaker, date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Click to write Statement 2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Click to write Statement 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Should "X Hack week" have:



Would you prefer the morning lectures to be more:



Block 3

Please say how strongly you agree or disagree with the following statements:

	Strongly Disagree	Disagree	Somewhat Disagree	Somewhat Agree	Agree	Strongly Agree
I felt like I belonged at "X Hack Week"	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I felt like I could follow along with the tutorials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sometimes I was worried that others would discover how much knowledge or ability I really lack.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I felt like I could ask the lecturers for help	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I felt like I had more experience than most people in the room	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Strongly Disagree	Disagree	Somewhat Disagree	Somewhat Agree	Agree	Strongly Agree
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I felt like my

Please say how strongly you agree or disagree with the following statements:

	Strongly Disagree	Disagree	Somewhat Disagree	Somewhat Agree	Agree	Strongly Agree	
I ended up hacking on my own most of the time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
I ended up teaching things to other people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
I hacked on topics, tools, or methods that were very new to me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
I felt like I hacked on projects that were interesting to me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Strongly Disagree	Disagree	Somewhat Disagree	Somewhat Agree	Agree	Strongly Agree	
I hacked on many different projects throughout the week	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Block 5

Please say how strongly you agree or disagree with the following statements:

	Strongly Disagree	Disagree	Somewhat Disagree	Somewhat Agree	Agree	Strongly Agree
I believe that "X Hack Week" was useful for my future career	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that I learned skills at "X Hack Week" that are applicable outside academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that "X Hack Week" helped make me a better scientist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel like I learned things which improve my day to day research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I felt like I						

Please say how strongly you agree or disagree with the following statements:

	Strongly Disagree	Disagree	Somewhat Disagree	Somewhat Agree	Agree	Strongly Agree
I put code and/or data I created at "X Hack Week" up on GitHub or another public repository	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Before "X Hack Week", most of my code & data was already on GitHub or another public repository	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel scientists have an obligation to make their code & data public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Strongly Disagree	Disagree	Somewhat Disagree	Somewhat Agree	Agree	Strongly Agree
I am embarrassed to put my code & data online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

That's all the questions we have about "X Hack Week"! Is there anything else you'd like to tell us about "X Hack Week", including any recommendations on how we can improve future events?

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You're almost done! There are just a few demographic questions after this page.

Demographics

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These are some optional questions about you, they shouldn't take long.

What is your age?

- ☐ 18-24
- ☐ 25-30
- ☐ 31-35
- ☐ 36-40
- ☐ 41-45
- ☐ 46-50
- ☐ 51-55
- ☐ 56-60
- ☐ 60+
- ☐ Prefer not to respond

What is your current position?

- ☐ Graduate Student
- ☐ Postdoc
- ☐ Research Staff
- ☐ Faculty
- ☐ Undergraduate Student
- ☐ Non academic
- ☐ Other

Which gender do you identify most with?

- ☐ Female
- ☐ Male
- ☐ Transgender
- ☐ Gender Variant/Non-Conforming
- ☐ Not listed

Are you of Hispanic, Latino, or Spanish origin?

- ☐ Yes
- ☐ No

What is your race?

- ☐ Native Hawaiian or Other Pacific Islander
- ☐ Black or African American
- ☐ Native American or American Indian
- ☐ White
- ☐ Asian
- ☐ Other

What would you consider your main academic discipline?

What are one or two academic conferences that you attend or would like to attend?

How many previous "hacking" events have you been to?

- | | | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 0 | 1 | 2 | 3-5 | 5-10 | 10+ |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Are you a US Citizen or permanent resident?

- ☐ Yes
- ☐ No

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