

At the start:

My name is [REDACTED] and I'm doing a co-op term in Computer Science at [REDACTED]
[REDACTED] My supervisors are [REDACTED]

I'm very interested in how people identify errors in Jupyter Notebooks, that's why I've contacted you. The information you share with me today is important as it will help guide suggestions about how to better teach methods to find errors in data analysis.

In general, I'll be asking questions to know about what methods you normally use for identifying errors in data analysis.

This interview is designed to take around 60 - 90 minutes of your time. However, if we go over time and you want to share more insights with me feel free to do so, your contributions will be highly valuable for my research.

Also, I want to remind you that this interview will be audio and screen recorded for future analysis, your participation is completely voluntary and you can withdraw at any time.

Is that ok with you?

Do you also consent to being contacted in the event my data is requested for future research?

If participant agrees:

Okay let's start off with an introduction. Tell me a bit about yourself.

After introduction:

Okay let's move on to a description of your task.

You will be presented with a pre-written Jupyter notebook which contains code, markdown, and visualizations. The Markdown will describe what the code is doing and will also describe any conclusions made from the code or visualizations. Each of these three components of the notebook may contain errors that have been purposely written into the notebook. Your task is to find the errors within the notebook using any methods you like. You may modify the notebook by adding cells and writing code, you may seek out any documentation about the packages used, and you may search the internet for any help.

Additionally, I would like to remind you that this is not a test of your skills but rather a time in which I can learn how you approach the task of finding data analysis errors.

After you have looked at the notebook we'll move onto a short semi-structured interview about your experiences with Jupyter Notebooks.

Do you have any questions?