Coding Handbook

for the study titled 'Student Experiences with GitHub and Stack Overflow: An Exploratory Study'

Thank you so much for participating in the reviewing process and agreement sessions for the above study. In order to participate in the study's review process, you will be provided with a transcript of an interview along with a list of codes divided into groups. You have to go through the transcript, which is an interview conducted by me with the participant about their participation habits around open community participation. While going through the transcript, you have to highlight the line(s) that you feel are corresponding to one of the barriers from the list, and add a comment to indicate what barrier do you feel is the line an instance of. If you feel a particular line is indicating an important piece of information, please feel free to mark it and add a note. The investigators will add the code or enhance the code description.

You can use .docx file or atlas.ti to go through the transcript. The process of coding is described in the following sections.

Note: Please read the codes first thoroughly along with the description of each code in order to understand the context of the study first. It will help in better categorization of data.

1. Viewing the transcript

If using Word or .docx, the file will be provided to you. If using the atlas.ti tool, these are the steps to be followed:

Launch Atlas.ti > Project > Import Project > *open the project being sent to you*

Once the project is loaded, go to Documents > Documents Manager > *Click on the transcript that is to be coded*
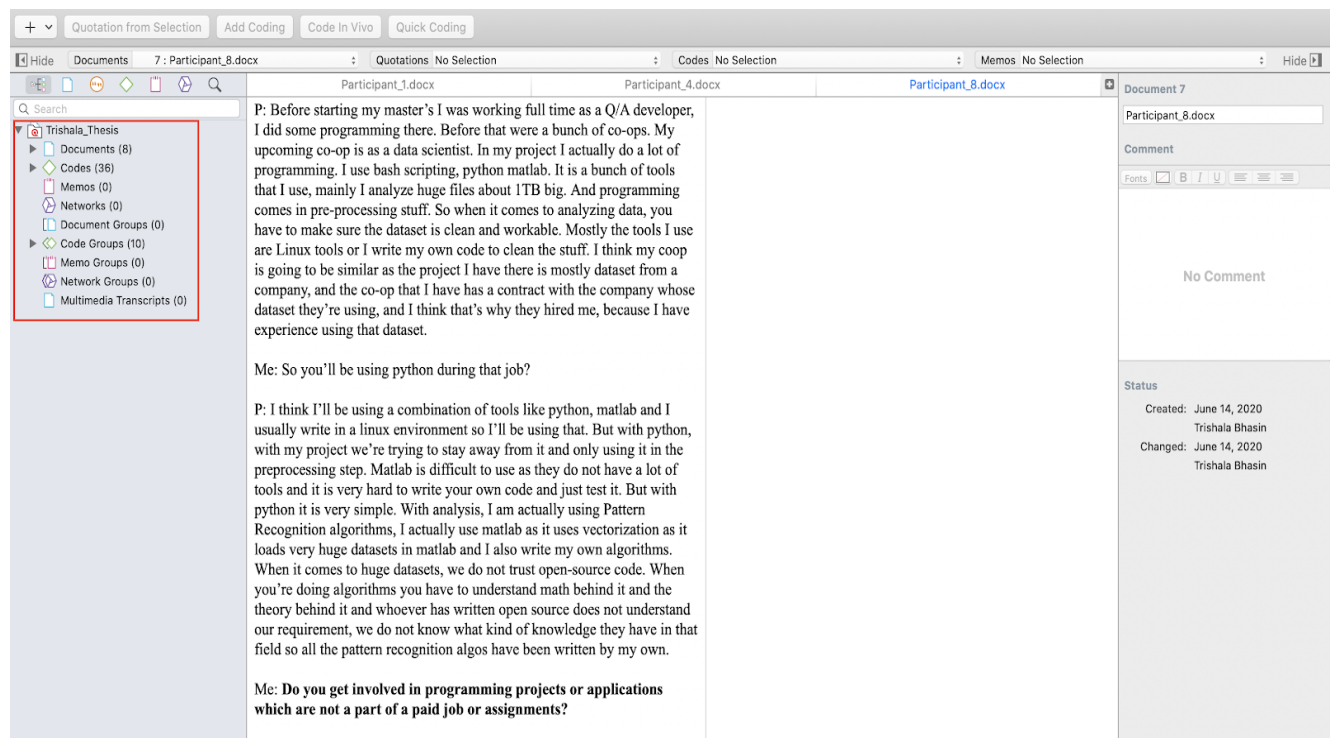
2. Viewing the codes

If not using atlas.ti, we will provide a pdf page of all the codes segregated in groups that can be referenced while marking instances on the .docx file.

If using Atlas.ti: Codes > Code Manager

This will display all the codes on the right, groups on the left and comments associated with each code, if you want to understand the code better.
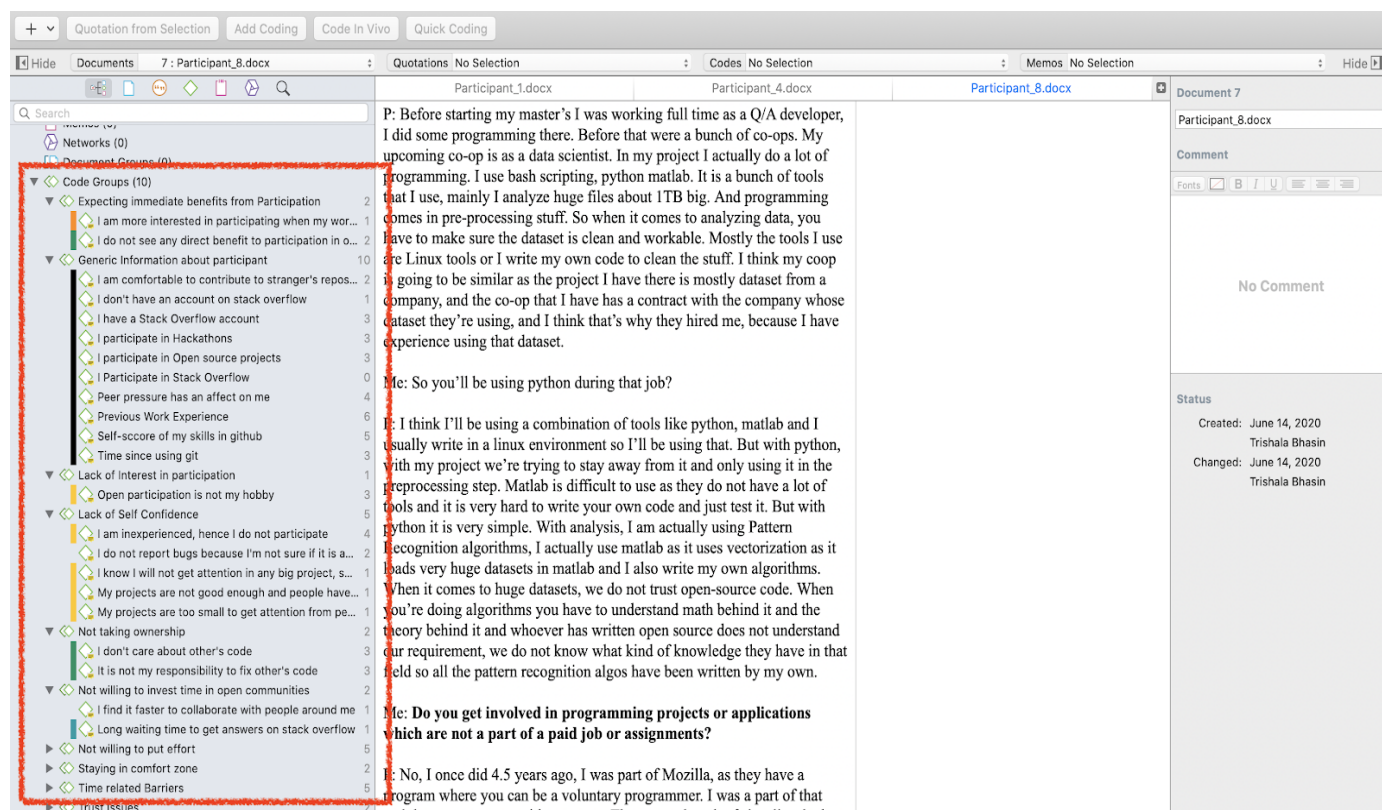
3. **Viewing transcript and coding on Atlas.ti**

When you're on the document manager screen, you will see some tabs on the left on your screen

Here, you can expand the 'code groups' tab. It will display all the code groups available. Then you can expand each group to see all the groups. It will be best to expand all the groups so that you can read and refer to all the codes easily.
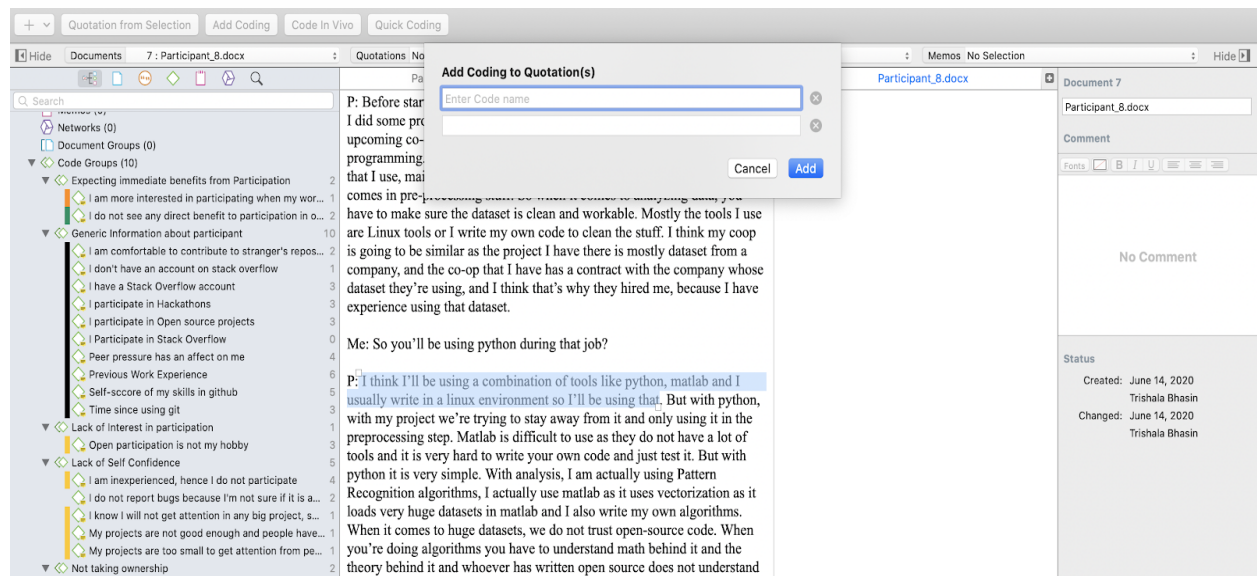
It should look like this:

You can click on individual codes to read the researcher's description of the codes provided in the comment section.

4. Marking the transcript

If using .docx , use the simple process of selecting the line that you want to assign a code to, right click and add a comment with the name of the code provided in the pdf.

If using the atlas.ti, the process is even simpler!

Select the line you want to assign code to, right click and select 'Add Code option'. A window will pop up which will have a bar where you can start typing the code. As you type the code, a list of codes will appear and you can select the code you wanted to assign from there to your highlighted segment.

Your changes will be saved automatically.

5. Exporting the project to send it back to me

In order to send the code back to me through atlas.ti:

Project > Export project > *Save the zip file and transfer it to me via email or slack*

Thank you so much for participating in my study and feel free to ask me more questions on the coding process.