

Task 8: Data Gathering Procedures

March 23 2021

Proposed Topic

Optimal Learning Strategy for Learning Python: A Qualitative Study on the Optimal Learning Strategy for Python Learners.

Research Question

- What is the optimum strategy/roadmap to learning the Python programming language?

What are the data needed?

- The data needed for this study is the response from well-known Python developers and students around the world.

Where are the data located?

- The data are located in recordings of interviews from Python developers, and programmers.

Directions. Perform the following task. List the step that you are going to follow in gathering the data for your research. For this part, just enumerate it to clearly see the procedures before, during, and after the data gathering.

Before

- Before I gather the data, I will prepare a list of questions for the respondents to answer, and I will base them around their experience in the programming language.
- Then, I will permission to the selected respondents if they are willing to cooperate in my interview, and if they are comfortable of being recorded in the interview, and then set a date for the scheduled interview.

During

- During the gathering of the data, I will ask the participants regarding their experience with programming in Python, and what they think of it in the long run with a career.
- While the participant answers my questions, I will list down key points in their answers, and ask more questions if possible.
- I will also seek advice and suggestions from the professional participants, as much as I possibly can.

After

- I will first thank the respondent for participating in my study, and give them a nice send-off.
- After the interviews, I will draw out the key points in the respondents' answers and refer back to the recordings if need be.
- I will also distinguish the responses depending on their skills & experiences in the programming language.