Task 10: Data Analysis

March 25 2021

Proposed Topic

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

Describe the Data Analysis to be used in your research.

This study intends to use Thematic Analysis of the gathered data.

What form(s) will your data take:

- It may take the form of a transcript of every interview.
- It may also take the form of a bulleted list of key points found in the participants' responses.

List down the categories and sub-categories that will be used for coding.

Research Question	Categories	Sub-Categories
1. What is the optimum strategy/roadmap to learning the Python programming language?	• Programming Paradigm (PP)	• Object-Oriented Programming (PP-OOP) • Functional Programming (PP-FP)
2. What are the best ways and methods in learning the programming language?	• Methods (M)	• Mini-Projects (M-MP) • Lecture Marathon (M-ML) • Hands-On Programming (M-HOP)
3. What are common learning strategies that students use to learn Python efficiently?	• Learning Strategies (LS)	• By Keyword (LS-BK) • By Data Type (LS-BDT) • By Abstraction (LS-BA)