4.1: Intro to Programming for Data Analysts

2. Why Python is so popular among data analysts?

Python is popular because it is a versatile tool for analysts. It can manage larger data sets, perform quickly and efficiently while recycling code and supporting a plethora of programming needs while also integrating well with other programs.

3. 5 top companies in the world that use Python

- Netflix
- Google
- Dropbox
- Amazon
- Reddit

4. Explain what tool you would use and why

• You have a small data set that needs some quick tweaks and minor analysis. You'll need to filter some columns and make a quick chart.

Excel because it is well-suited for handling smaller numbers of rows and Interface is easy to use for quick data filtering and chart creation. its functionality is sufficient for straightforward, smaller-scale data tasks.

• You need to retrieve some portion of data from a very large database

SQL is the best for handling large databases and for writing both simple and complex queries, which also efficiently retrieves the specific data needed for further analysis.

• You have a data set with 15,000,000 rows and 350 columns that needs to be sorted and prepared for a more advanced analysis.

Python is the most extremely capable of using large sets of data. It can efficiently handle large datasets and run scripts that execute multiple commands at once. Moreover, Python can perform advanced analyses, such as machine learning, statistical modeling, and data visualization, making it a versatile tool for both preparation and analysis.

5. Anaconda downloaded ✅

6. I wasn't given the option on my mac

7. Screenshot of the page that opens in your browser upon launching Jupyter.