Python Fundamentals for Data Analysts

4.1: Intro to Programming for Data Analysts

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Why Python is so popular among data analysts?

Python is a language in constant development, its code and simple syntax allow quick learning and it also has huge libraries that adapt to the needs.

It is open source and reaches a greater number of users and one of the most important advantages is its great processing speed.

The 5 top companies in the world that use Python

Instagram, Pinterest, Dropbox, Facebook, and Spotify

For each of the following scenarios, 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.

I would use Excel because if the data set is small and the analysis is fast, it seems to be the best option.

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

I would use SQL because with two or 3 statements I would do it quickly and without errors.

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

I would use Python because it is the language that can work with large databases in a fast and agile way.

The environment variables

PATH=C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32\WindowsPowerShell\v1.0\;C:\WINDOWS\System32\OpenSSH\;C:\ProgramData\Anaconda3;C:\ProgramData\Anaconda3\Scripts\;C:\ProgramData\Anaconda3\Library\bin;C:\Users\nayla\AppData\Local\Microsoft\WindowsApps;

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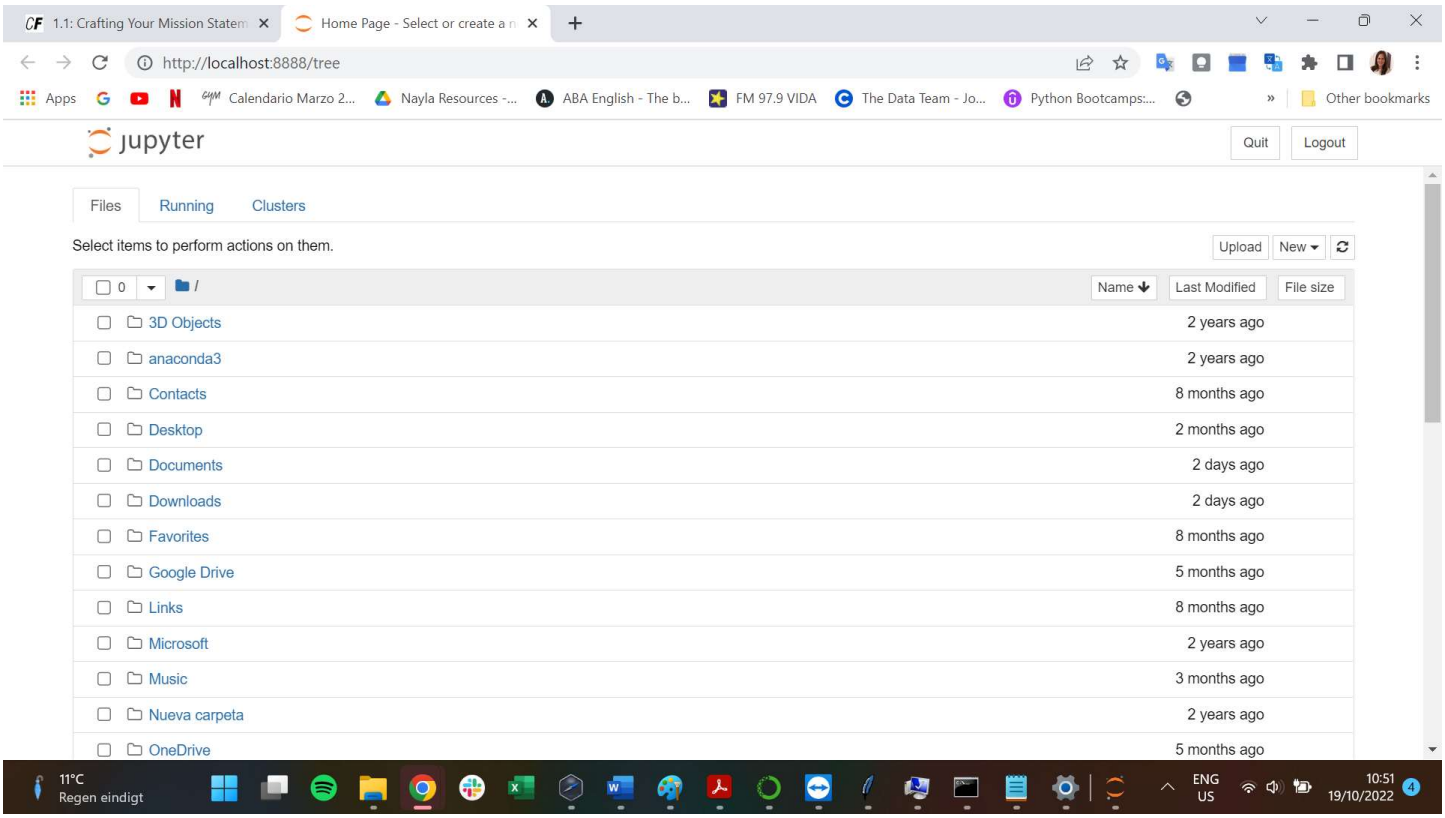

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