



# Python Fundamentals for Data Analysts

## 4.1: Intro to Programming for Data Analysts

## **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**

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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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