4.1: Intro to Programming for Data Analysts

2. Why is Python so popular among data analysts?

Python is widely popular because it can manage large datasets and allows for data manipulation through code. It supports various programming needs and integrates well with many other programs. It can go easily over the limitations of a program like Excel.

3. The 5 top companies in the world that use Python:

• Meta
• Google
• Nvidia
• 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:

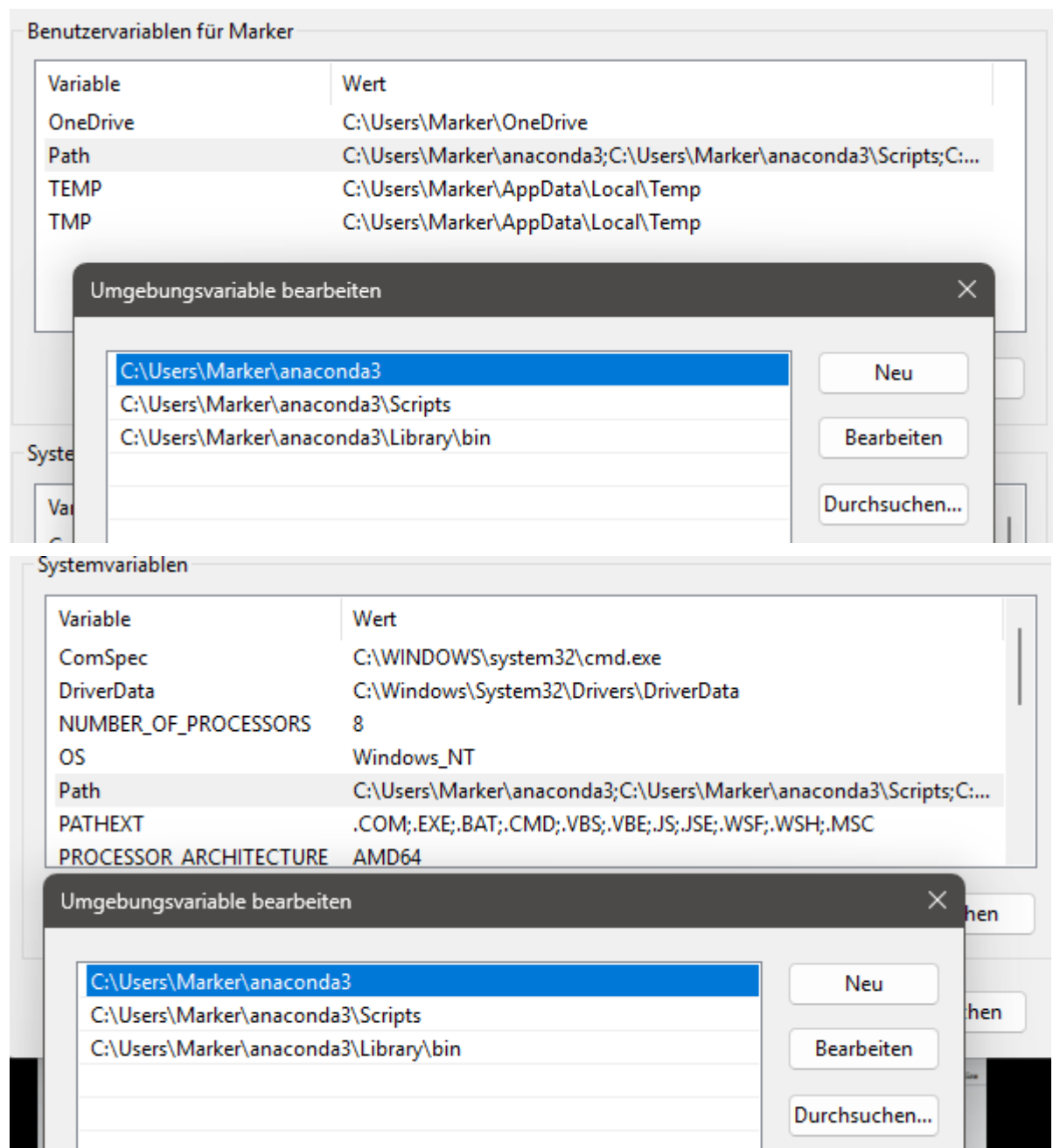Excel is easy to use and handles small sets of data, setting up filters and creating charts.

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

SQL can gather your data from a database based on your queries and can retrieve data easily.

• 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:

With Python, you can handle large sets of data. Python comes with a huge catalog of build in libraries and new ones are added frequently, which simplifies handling huge amounts of data.

6.

Benutzervariablen für Marker

Variable	Wert
OneDrive	C:\Users\Marker\OneDrive
Path	C:\Users\Marker\anaconda3;C:\Users\Marker\anaconda3\Scripts;C:...
TEMP	C:\Users\Marker\AppData\Local\Temp
TMP	C:\Users\Marker\AppData\Local\Temp

Umgebungsvariable bearbeiten ✕

C:\Users\Marker\anaconda3	Neu
C:\Users\Marker\anaconda3\Scripts	
C:\Users\Marker\anaconda3\Library\bin	Bearbeiten
	Durchsuchen...

Syste

Var

Systemvariablen

Variable	Wert
ComSpec	C:\WINDOWS\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS	8
OS	Windows_NT
Path	C:\Users\Marker\anaconda3;C:\Users\Marker\anaconda3\Scripts;C:...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTURE	AMD64

Umgebungsvariable bearbeiten ✕

hen

C:\Users\Marker\anaconda3	Neu
C:\Users\Marker\anaconda3\Scripts	
C:\Users\Marker\anaconda3\Library\bin	Bearbeiten
	Durchsuchen...

hen

9.