4/21 2025

* Using openpyxl
  + openpyxl is a Python library used to read and write Excel files (.xlsx)
  + We used openpyxl here because pandas doesn’t handle Excel writing directly — it needs a library like openpyxl (for .xlsx) or xlsxwriter to actually write the file.
* pandas = great for data manipulation

openpyxl = actually saves your spreadsheet to .xlsx

* When we have the code such as:

output\_df.to\_excel("order\_breakdown.xlsx", index=False)

By default, pandas writes row numbers (the index) into the Excel file as the first column.

Using index=False tells it:

❌ "Hey, I don’t want that extra index column — just give me the clean data."

A screenshot of a black screen

AI-generated content may be incorrect.

* For automatically creating datetime: **datetime**

date\_str = datetime.now().strftime("%Y-%m-%d")

A screenshot of a computer

AI-generated content may be incorrect.

* Add a GUI (Graphical User Interface) to select input file
* If I haven’t had the UI I could use this to make my user more comfortable when selecting files.