

Online Retail – Sample Sales Report

Based on 2,000-row sample from Online Retail dataset
Clean vs Unclean rows are separated using Python scripts.

This PDF includes:

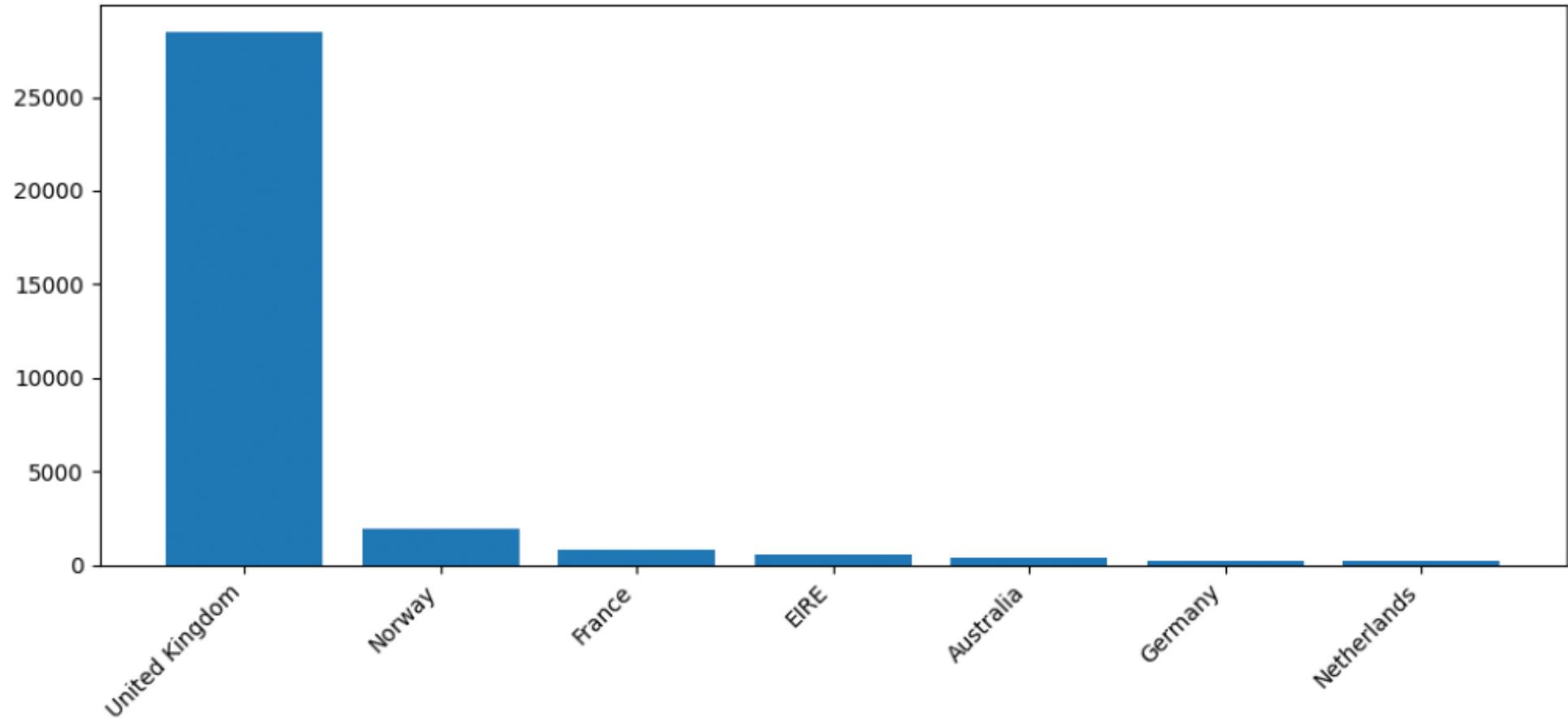
- Summary charts (country, daily, weekly, monthly, customers, products)
 - Command Prompt execution screenshots for step 1-3
 - Preview images of selected Python source files

Detailed numbers are available in the Excel report.

[Open Excel report: client_sales_report.xlsx](#)

Country Revenue (Sample)

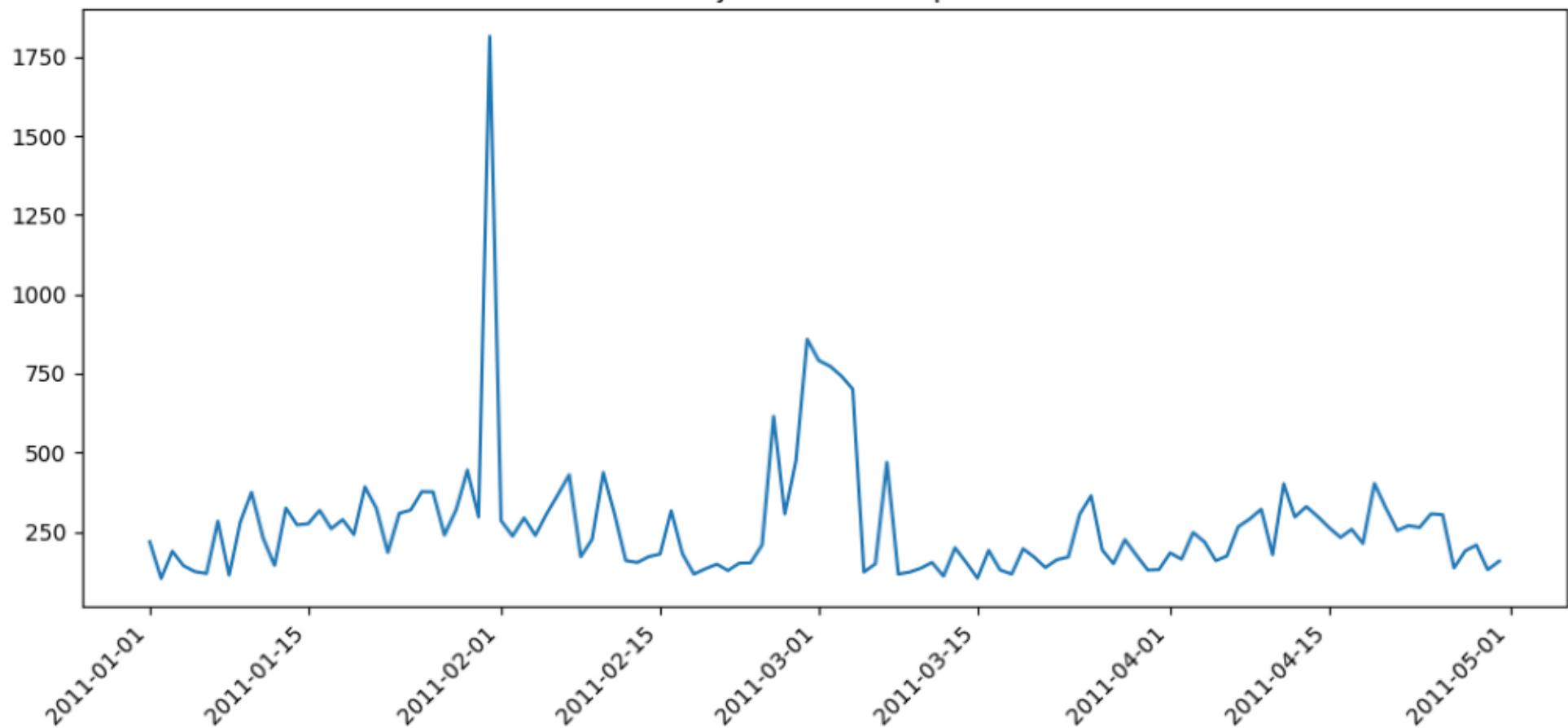
Total Revenue by Country (Sample)



[Open CSV: country_revenue.csv](#)

Daily Revenue (Sample)

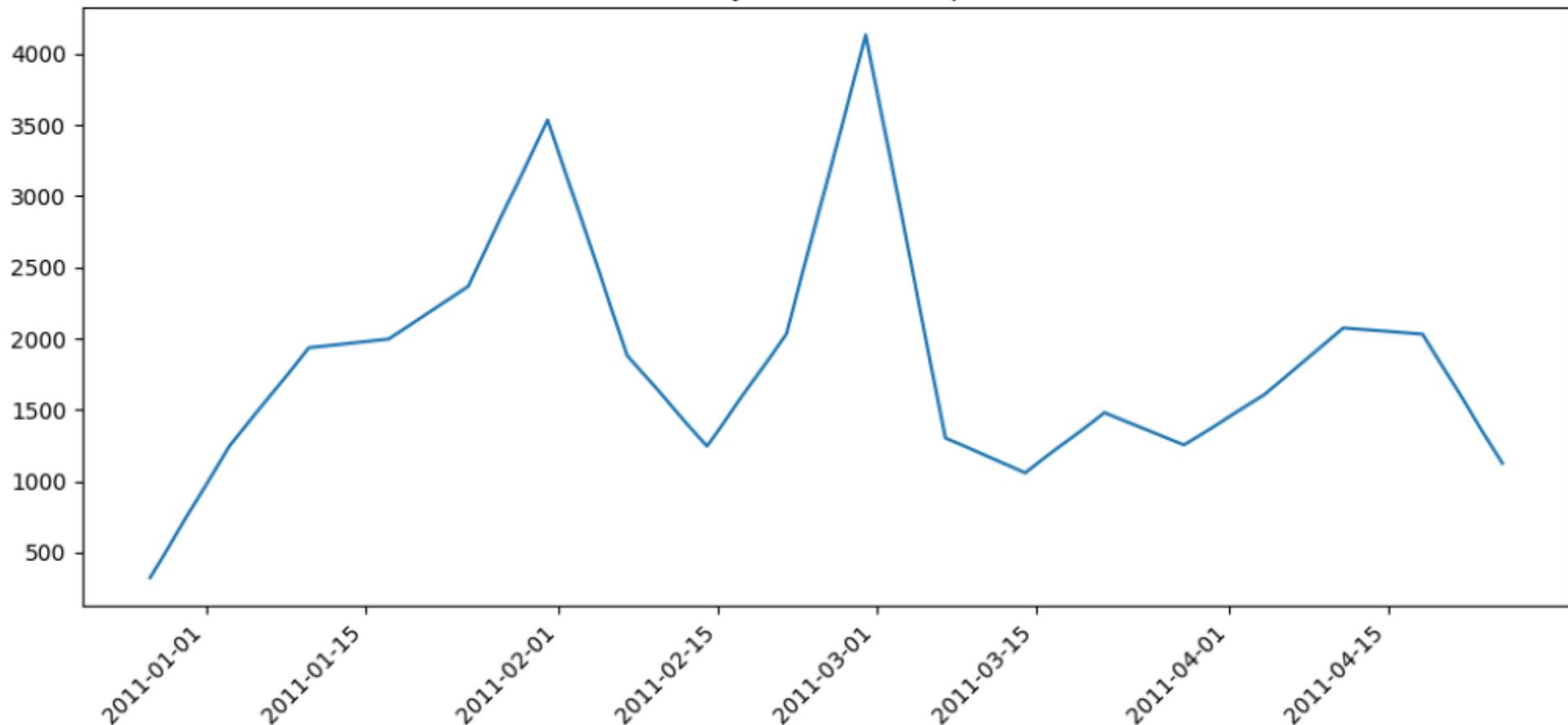
Daily Revenue (Sample)



Open CSV: [daily_revenue.csv](#)

Weekly Revenue (Sample)

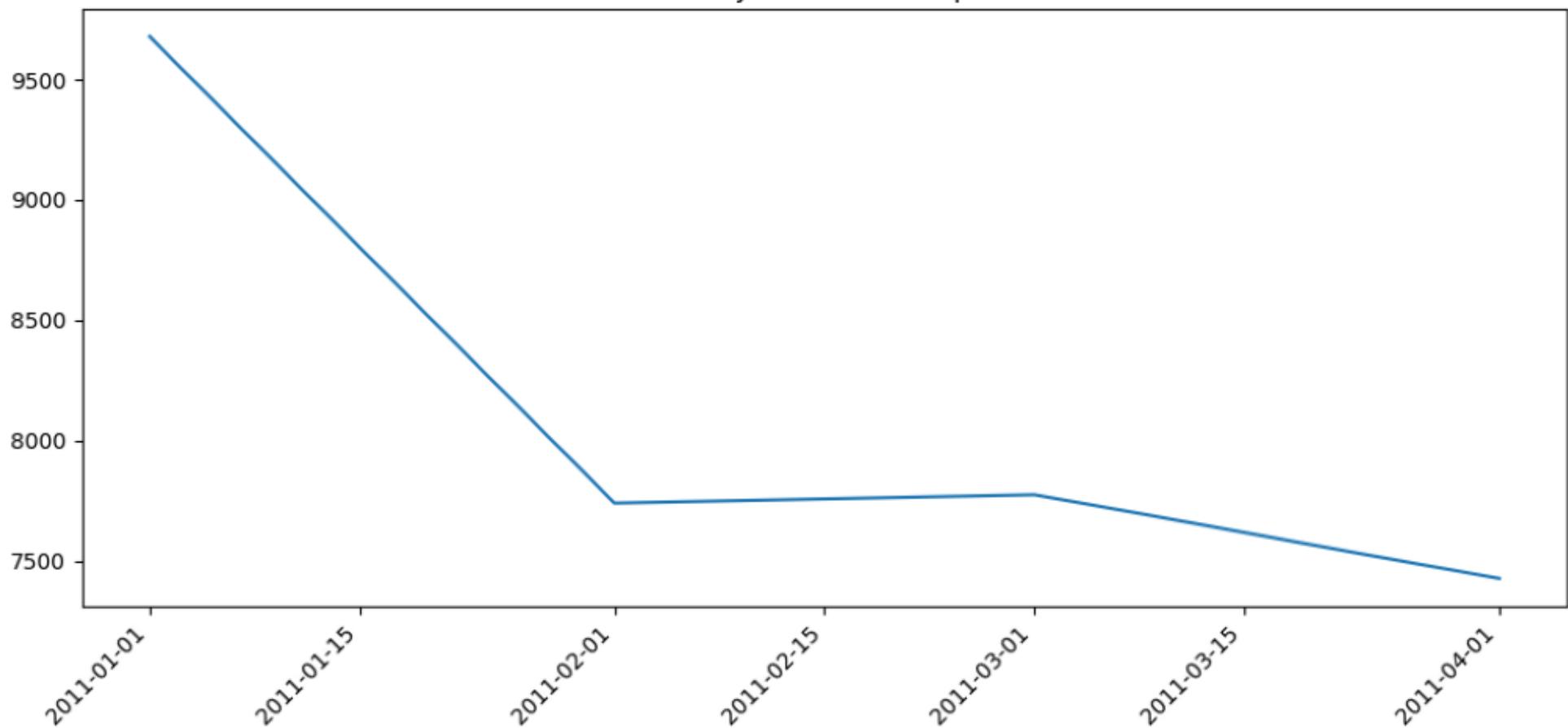
Weekly Revenue (Sample)



Open CSV: [weekly_revenue.csv](#)

Monthly Revenue (Sample)

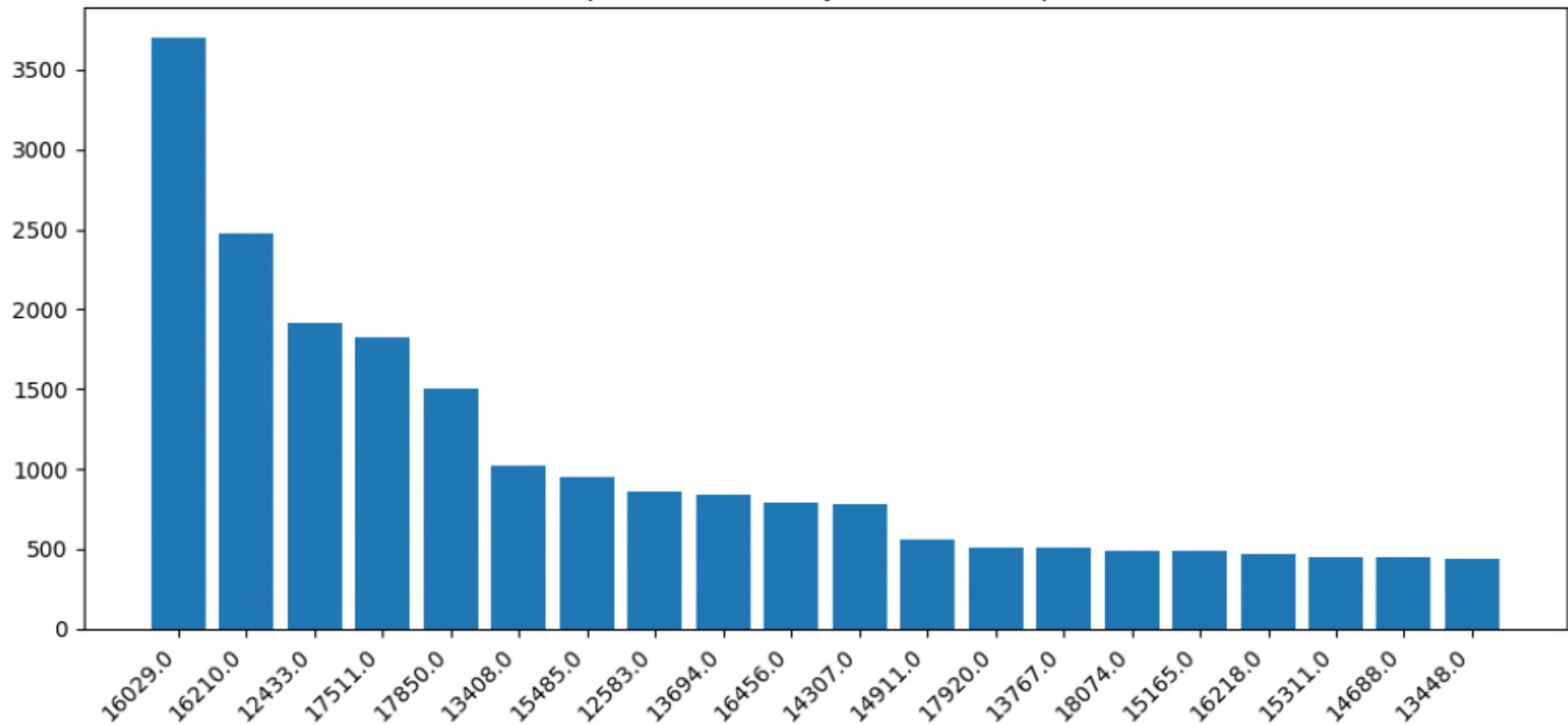
Monthly Revenue (Sample)



Open CSV: [monthly_revenue.csv](#)

Top Customers by Revenue (Sample)

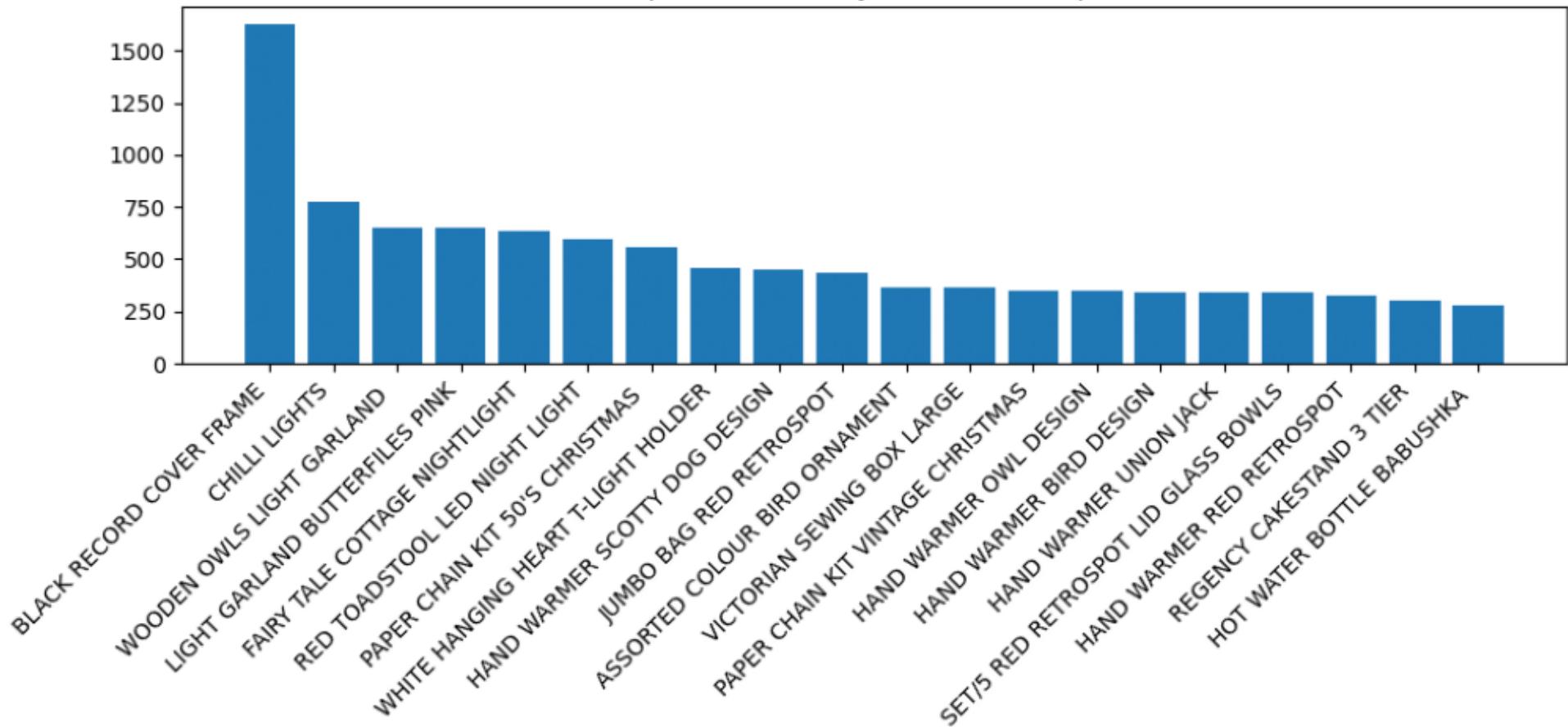
Top 20 Customers by Revenue (Sample)



Open CSV: [customer_revenue.csv](#)

Top Products by Revenue (Sample)

Top 20 Products by Revenue (Sample)



Open CSV: [top_products.csv](#)

Step 1 – Split Clean vs Unclean (CMD)

```
Command Prompt
Microsoft Windows [Version 10.0.19045.6466]
(c) Microsoft Corporation. All rights reserved.

d:\Py_Tut\sample projects\reports_from_Online_Retail_Data>python step1_spilit_clean_unclean.py
python: can't open file 'd:\\Py_Tut\\sample projects\\reports_from_Online_Retail_Data\\step1_spilit_clean_unclean.py': [
Errno 2] No such file or directory

d:\Py_Tut\sample projects\reports_from_Online_Retail_Data>python step1_split_clean_unclean.py
Reading raw data from: raw_samples_2000.xlsx
Total rows in sample: 2000
Clean rows (usable for reporting): 1441
Unclean rows (need client decision): 559

Saved cleaned rows  -> raw_samples_2000_cleaned.csv
Saved unclean rows  -> raw_samples_2000_uncleaned.csv
Done.

d:\Py_Tut\sample projects\reports_from_Online_Retail_Data>
```

Step 2 – Build Reports (CMD)

```
d:\Py_Tut\sample projects\reports_from_Online_Retail_Data>python step2_build_reports.py
Reading cleaned data from: D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\raw_samples_2000_cleaned.csv
Total cleaned rows: 1441
Saved country revenue CSV -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\country_revenue.csv
Saved country revenue chart -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\country_revenue.png
Saved daily revenue CSV -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\daily_revenue.csv
Saved daily revenue chart -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\daily_revenue.png
Saved weekly revenue CSV -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\weekly_revenue.csv
Saved weekly revenue chart -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\weekly_revenue.png
Saved monthly revenue CSV -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\monthly_revenue.csv
Saved monthly revenue chart -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\monthly_revenue.png
Saved customer revenue CSV -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\customer_revenue.csv
Saved customer revenue chart -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\customer_revenue.png
Saved product revenue CSV -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\top_products.csv
Saved product revenue chart -> D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs\top_products.png
All summary reports created in folder: D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\reports_outputs
d:\Py_Tut\sample projects\reports_from_Online_Retail_Data>
```

Step 3 – Export Excel Report (CMD)

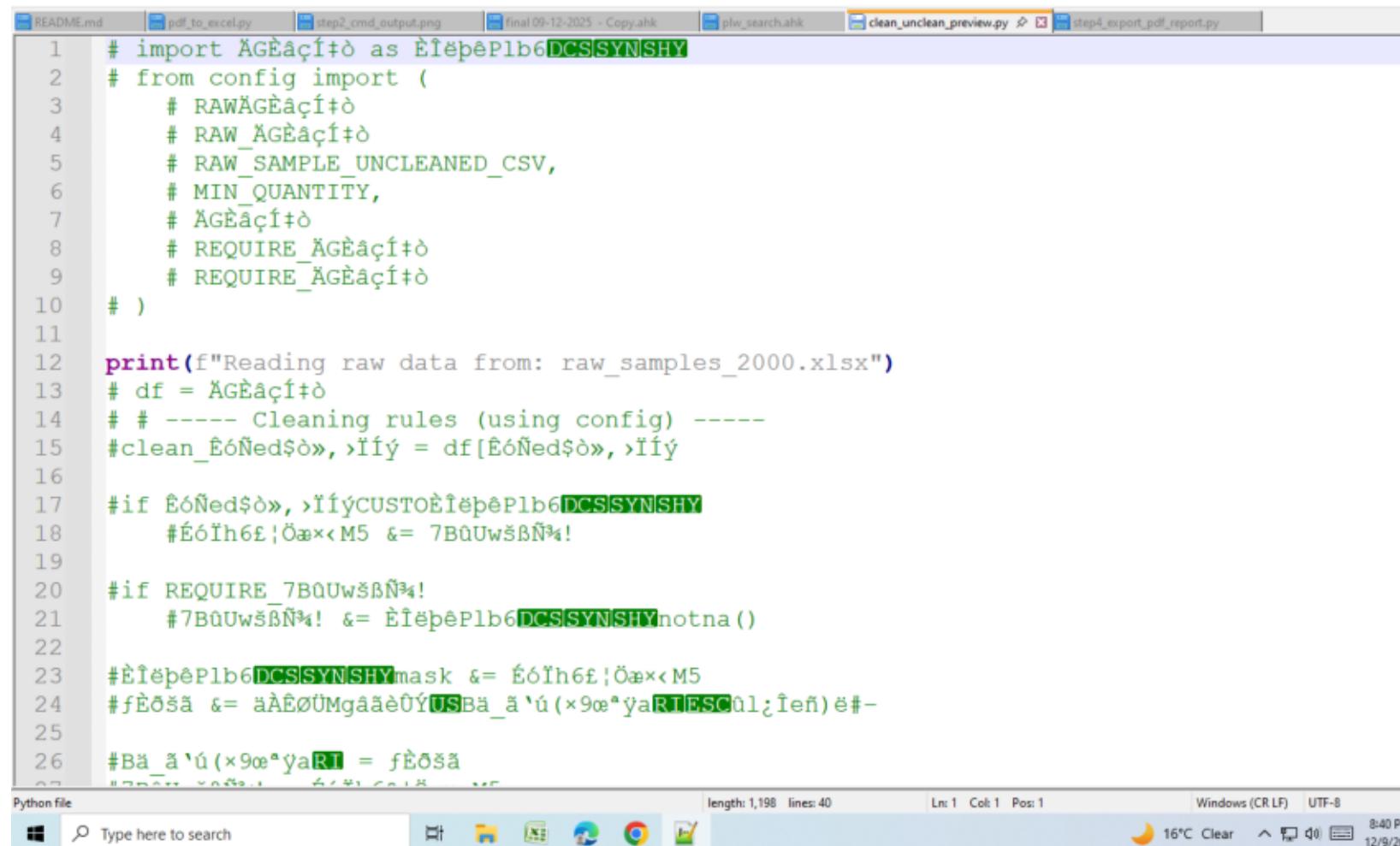
```
Command Prompt
Microsoft Windows [Version 10.0.19045.6466]
(c) Microsoft Corporation. All rights reserved.

d:\Py_Tut\sample projects\reports_from_Online_Retail_Data>python step3_export_excel_report.py
Preparing Excel report...
Added sheet: country_revenue
Added sheet: customer_revenue
Added sheet: daily_revenue
Added sheet: monthly_revenue
Added sheet: top_products
Added sheet: weekly_revenue

Final Excel report created:
D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\client_sales_report.xlsx

d:\Py_Tut\sample projects\reports_from_Online_Retail_Data>
d:\Py_Tut\sample projects\reports_from_Online_Retail_Data>
```

Source Python Files – Step 1 Preview(First-Page)



```
1 # import ÄGÈäçí‡ò as ÈîéþéPlb6DCSSYNSHY
2 # from config import (
3     # RAWÄGÈäçí‡ò
4     # RAW_ÄGÈäçí‡ò
5     # RAW_SAMPLE_UNCLEANED_CSV,
6     # MIN_QUANTITY,
7     # ÄGÈäçí‡ò
8     # REQUIRE_ÄGÈäçí‡ò
9     # REQUIRE_ÄGÈäçí‡ò
10    #
11
12    print(f"Reading raw data from: raw_samples_2000.xlsx")
13    # df = ÄGÈäçí‡ò
14    # # ----- Cleaning rules (using config) -----
15    #clean_ÈóÑed$ò», »ÍÍÝ = df[ÈóÑed$ò», »ÍÍÝ
16
17    #if ÈóÑed$ò», »ÍÍÝCUSTOÈîéþéPlb6DCS|SYNSHY
18        #ÈóÍh6£!Öæ×«M5 &= 7BÙUwšBÑ¾!
19
20    #if REQUIRE_7BQUwšBÑ¾!
21        #7BÙUwšBÑ¾! &= ÈîéþéPlb6DCS|SYNSHYnotna()
22
23    #ÈîéþéPlb6DCS|SYNSHYmask &= ÈóÍh6£!Öæ×«M5
24    #fÈðšä &= äÀÈØÜMgåäèÛÝUSBä_ää'ú(×9œ“ýaRT|ESCùl;îeñ)ë#-
25
26    #Bä_ää'ú(×9œ“ýaRT| = fÈðšä
27
```

Python file

Type here to search

length: 1,198 lines: 40 Ln: 1 Col: 1 Pos: 1

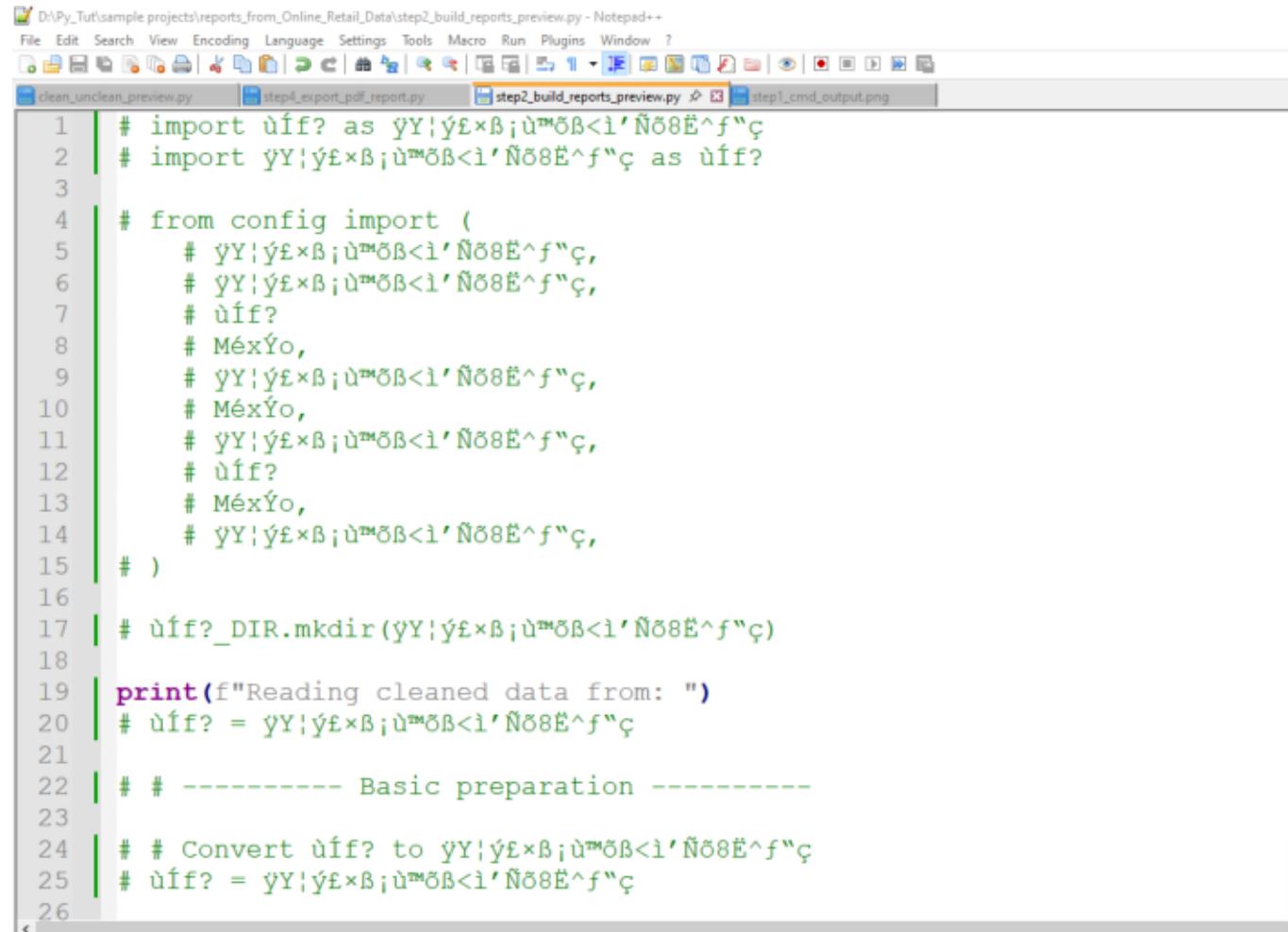
Windows (CR LF) UTF-8

16°C Clear 8:40 PM 12/9/2023

Source Python Files – Step 1 Preview (Last-Page (2nd))

```
27 # 7BûUwšßÑ¾! = ÉóÏh6£|Öæ×«M5
28
29 print(f"Total rows in sample: 2000 ")
30 print(f"Clean rows (1441): ")
31 print(f"Unclean rows (559): ")
32
33 # 7BûUwšßÑ¾!
34 # 7BûUwšßÑ¾!
35 # ÉóÏh6£|Öæ×«M5
36
37 print(f"\nSaved cleaned rows    -> raw_samples_2000_cleaned.csv ")
38 print(f"Saved unclean rows   -> raw_samples_2000_uncleaned.csv ")
39 print("Done.")
```

Source Python Files – Step 2 Preview(First-Page)



The screenshot shows a Notepad++ window with the title bar "D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\step2_build_reports_preview.py - Notepad++". The menu bar includes File, Edit, Search, View, Encoding, Language, Settings, Tools, Macro, Run, Plugins, Window, and ?.

The code editor displays the following Python script:

```
1 # import úíf? as ÿY|ý£×ß;ù™öß<i'Ñö8È^f"ç
2 # import ýY|ý£×ß;ù™öß<i'Ñö8È^f"ç as úíf?
3
4 # from config import (
5     # ýY|ý£×ß;ù™öß<i'Ñö8È^f"ç,
6     # ýY|ý£×ß;ù™öß<i'Ñö8È^f"ç,
7     # úíf?
8     # MéxÝo,
9     # ýY|ý£×ß;ù™öß<i'Ñö8È^f"ç,
10    # MéxÝo,
11    # ýY|ý£×ß;ù™öß<i'Ñö8È^f"ç,
12    # úíf?
13    # MéxÝo,
14    # ýY|ý£×ß;ù™öß<i'Ñö8È^f"ç,
15    #
16
17 # úíf?_DIR.mkdir(ÿY|ý£×ß;ù™öß<i'Ñö8È^f"ç)
18
19 print(f"Reading cleaned data from: ")
20 # úíf? = ýY|ý£×ß;ù™öß<i'Ñö8È^f"ç
21
22 # # ----- Basic preparation -----
23
24 # # Convert úíf? to ýY|ý£×ß;ù™öß<i'Ñö8È^f"ç
25 # úíf? = ýY|ý£×ß;ù™öß<i'Ñö8È^f"ç
26
```

Source Python Files – Step 2 Preview(Last-Page(8th))

```
163     # ÙÍf? ("MéxÝo", ÝY;ý£×ß;ù™öß<i'Ñõ8Ë^f"ç)
164     #
165
166     # ÙÍf? = ÝY;ý£×ß;ù™öß<i'Ñõ8Ë^f"ç
167     # ÙÍf? = ÝY;ý£×ß;ù™öß<i'Ñõ8Ë^f"ç
168
169     # ÙÍf? (ÝY;ý£×ß;ù™öß<i'Ñõ8Ë^f"çindex=False)
170     # print(f"Saved product revenue CSV -> {prod_csv}")
171
172     # ÙÍf? (MéxÝo)
173
174     # ÙÍf? (ÝY;ý£×ß;ù™öß<i'Ñõ8Ë^f"ç)
175     # ÙÍf? (ÝY;ý£×ß;ù™öß<i'Ñõ8Ë^f"ç], top_p["MéxÝo"])
176     # ÙÍf? (ÝY;ý£×ß;ù™öß<i'Ñõ8Ë^f"ç)
177     # ÙÍf? (f"Top {MéxÝo} Products by Revenue (Sample)")
178     # ÙÍf?()
179     # ÙÍf? (ÝY;ý£×ß;ù™öß<i'Ñõ8Ë^f"ç)
180     # ÙÍf?()
181     print(f"Saved product revenue chart -> ")
182
183     print("\nAll summary reports created in folder:", )
184
```