

Online Retail – Sample Sales Report

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

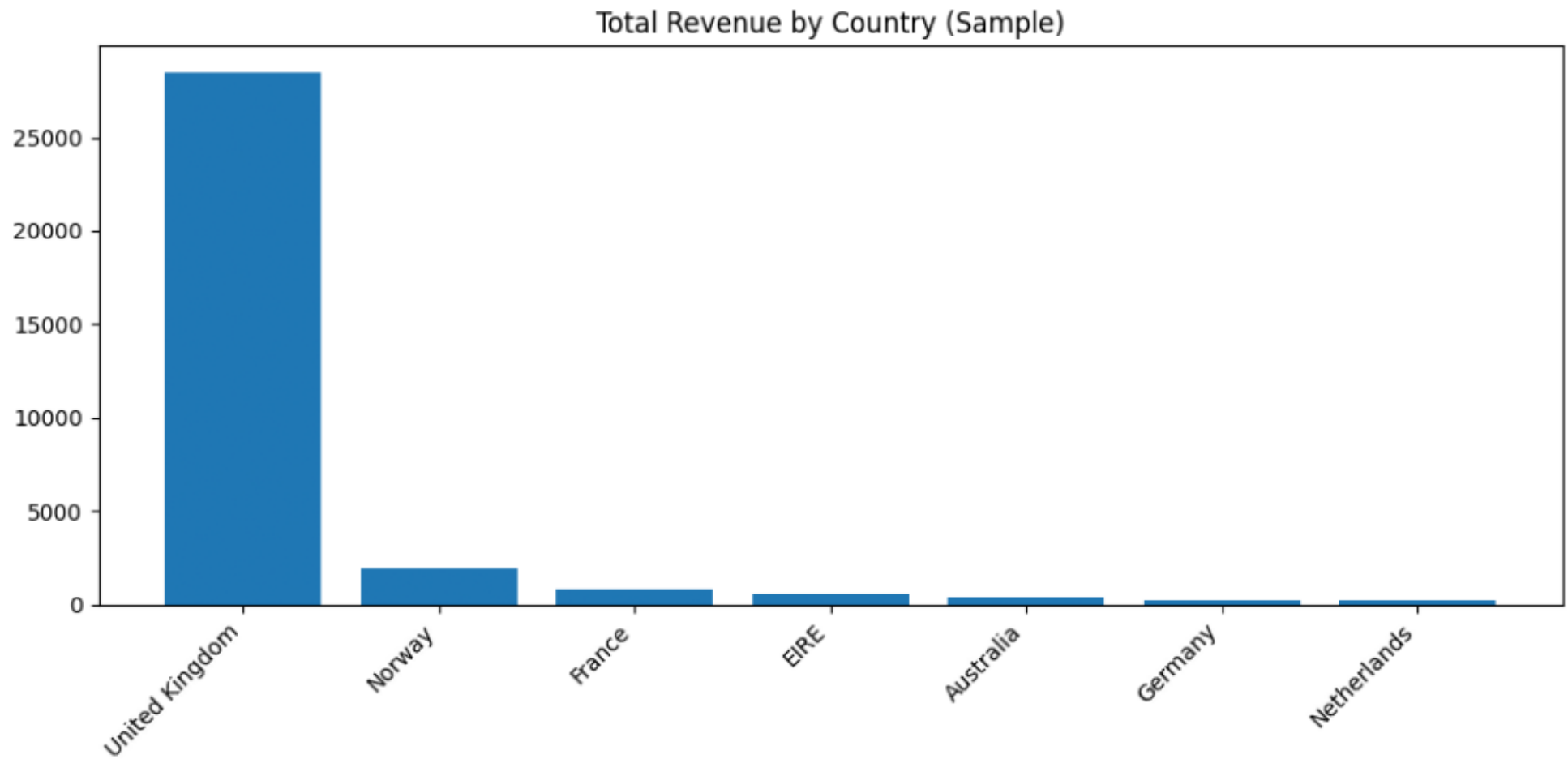
This PDF includes:

- 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.

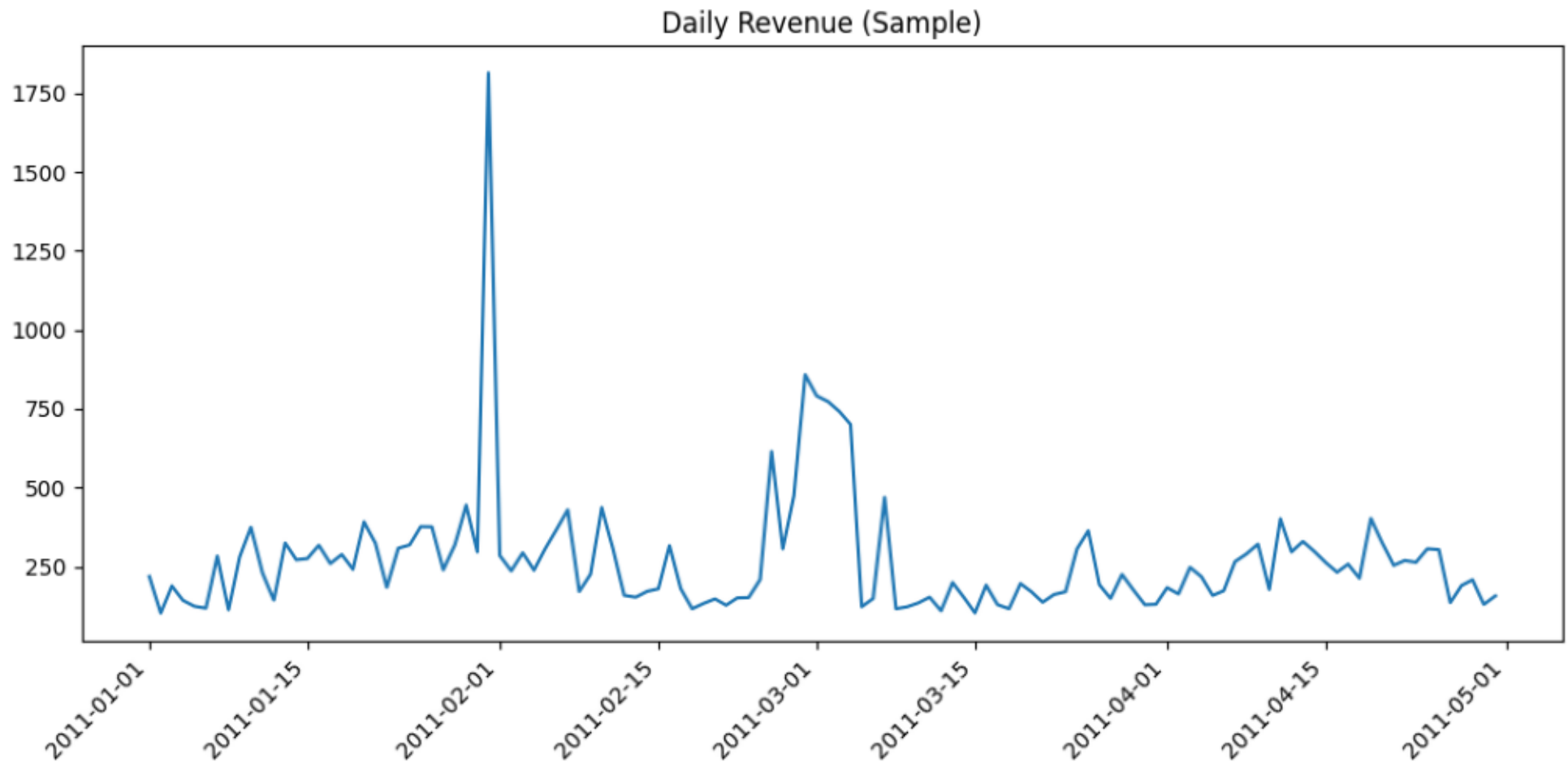
[Open Excel report: client_sales_report.xlsx](#)

Country Revenue (Sample)



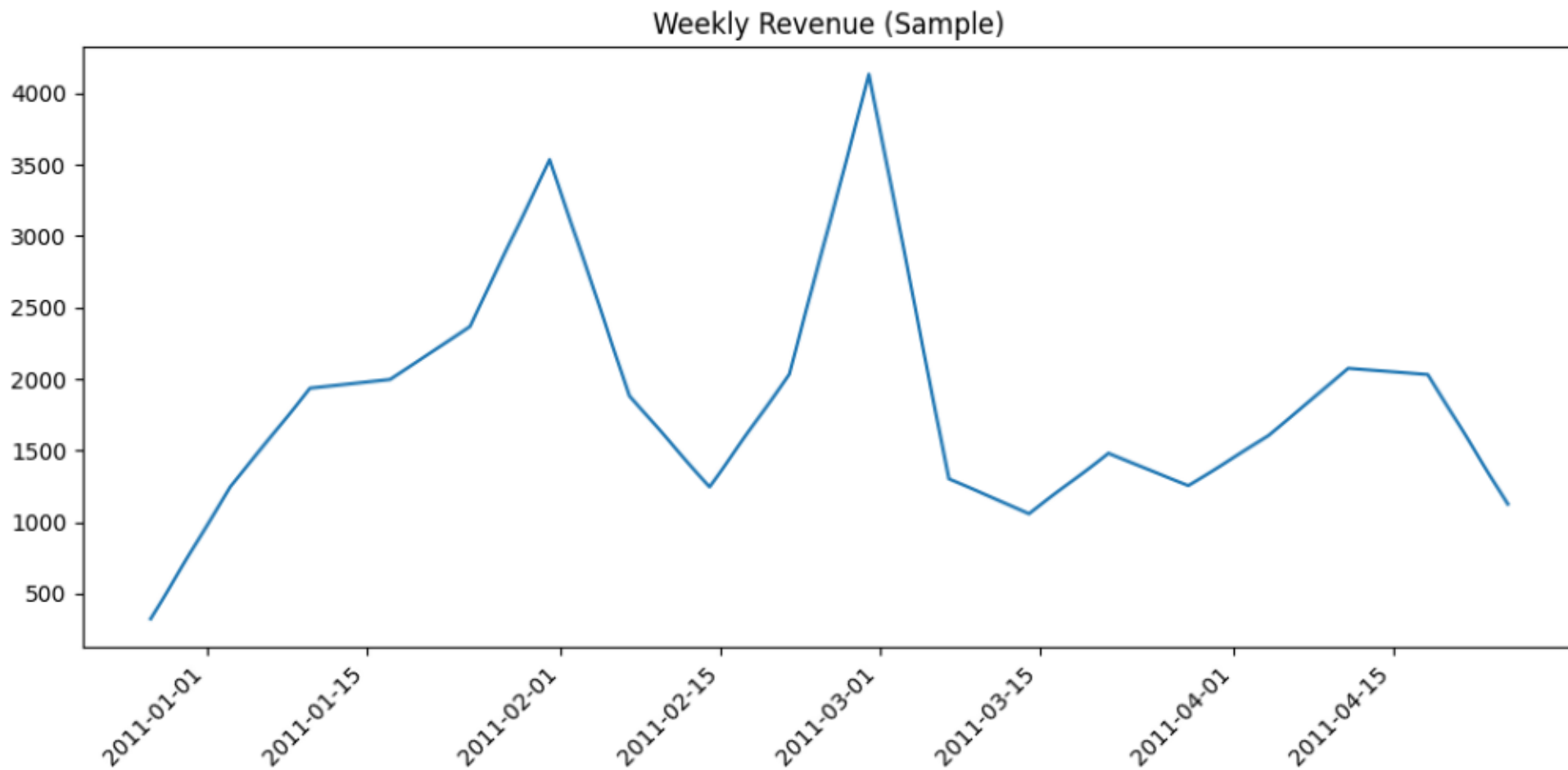
[Open CSV: country_revenue.csv](#)

Daily Revenue (Sample)



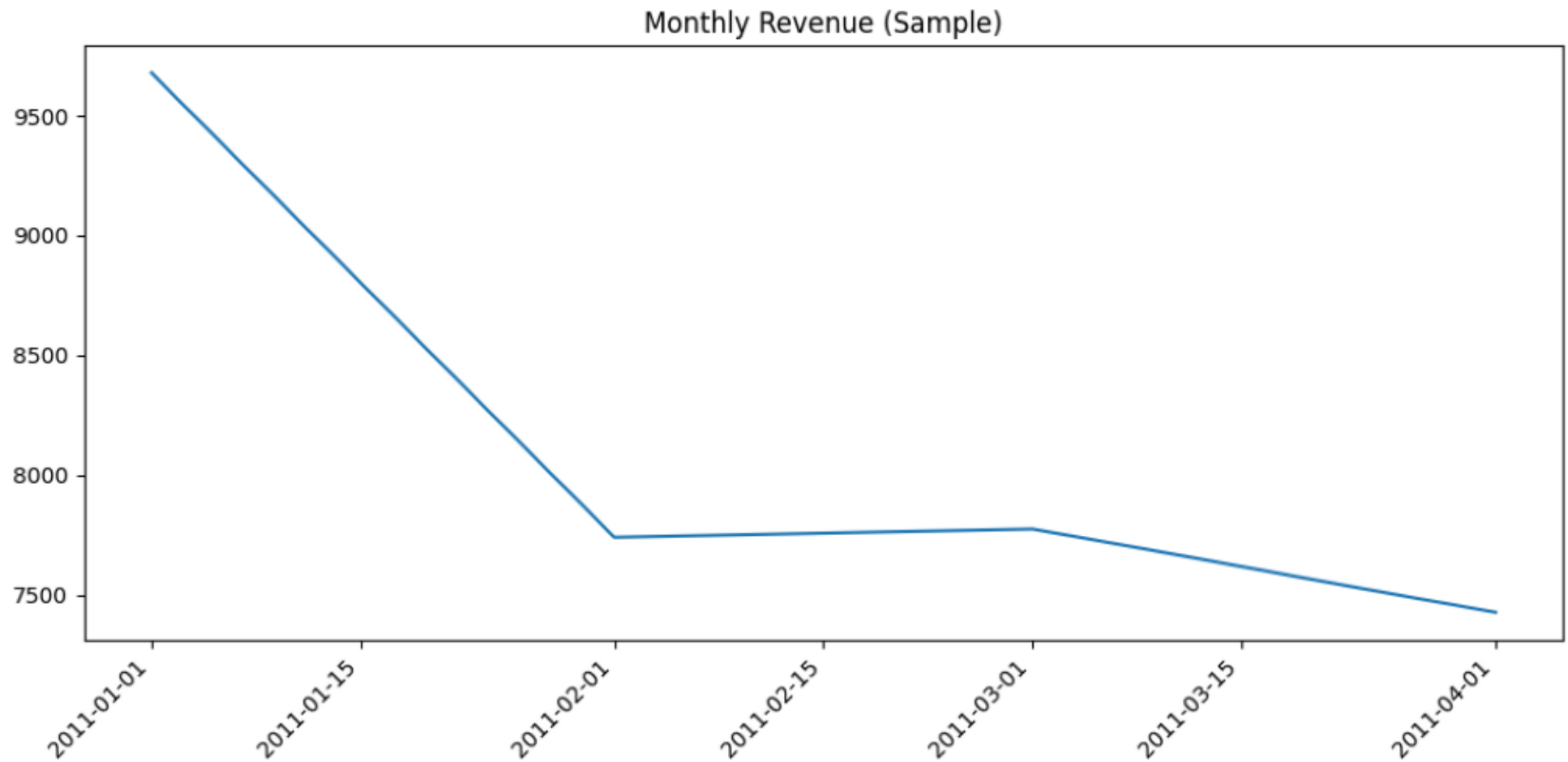
[Open CSV: daily_revenue.csv](#)

Weekly Revenue (Sample)



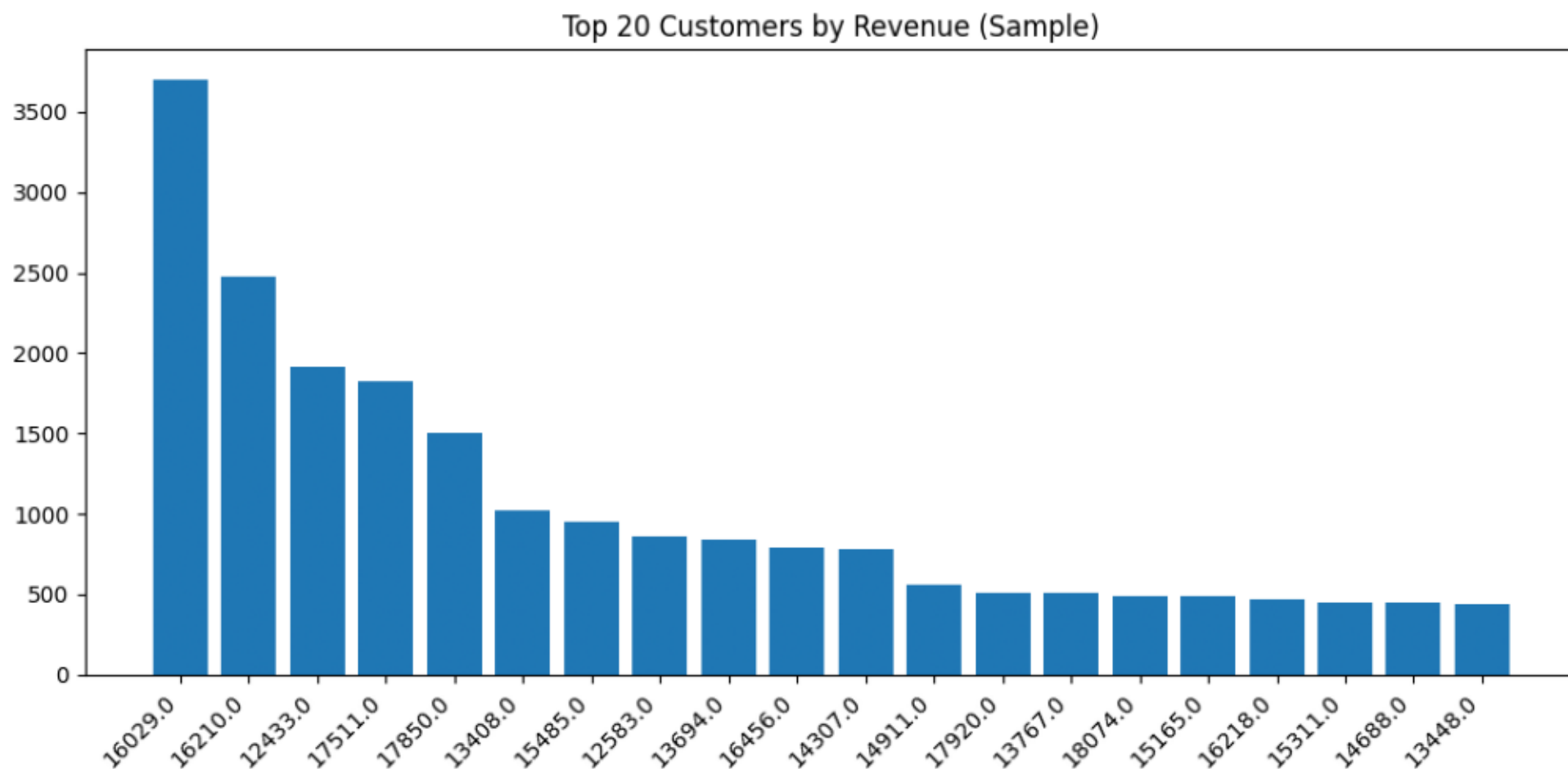
[Open CSV: weekly_revenue.csv](#)

Monthly Revenue (Sample)



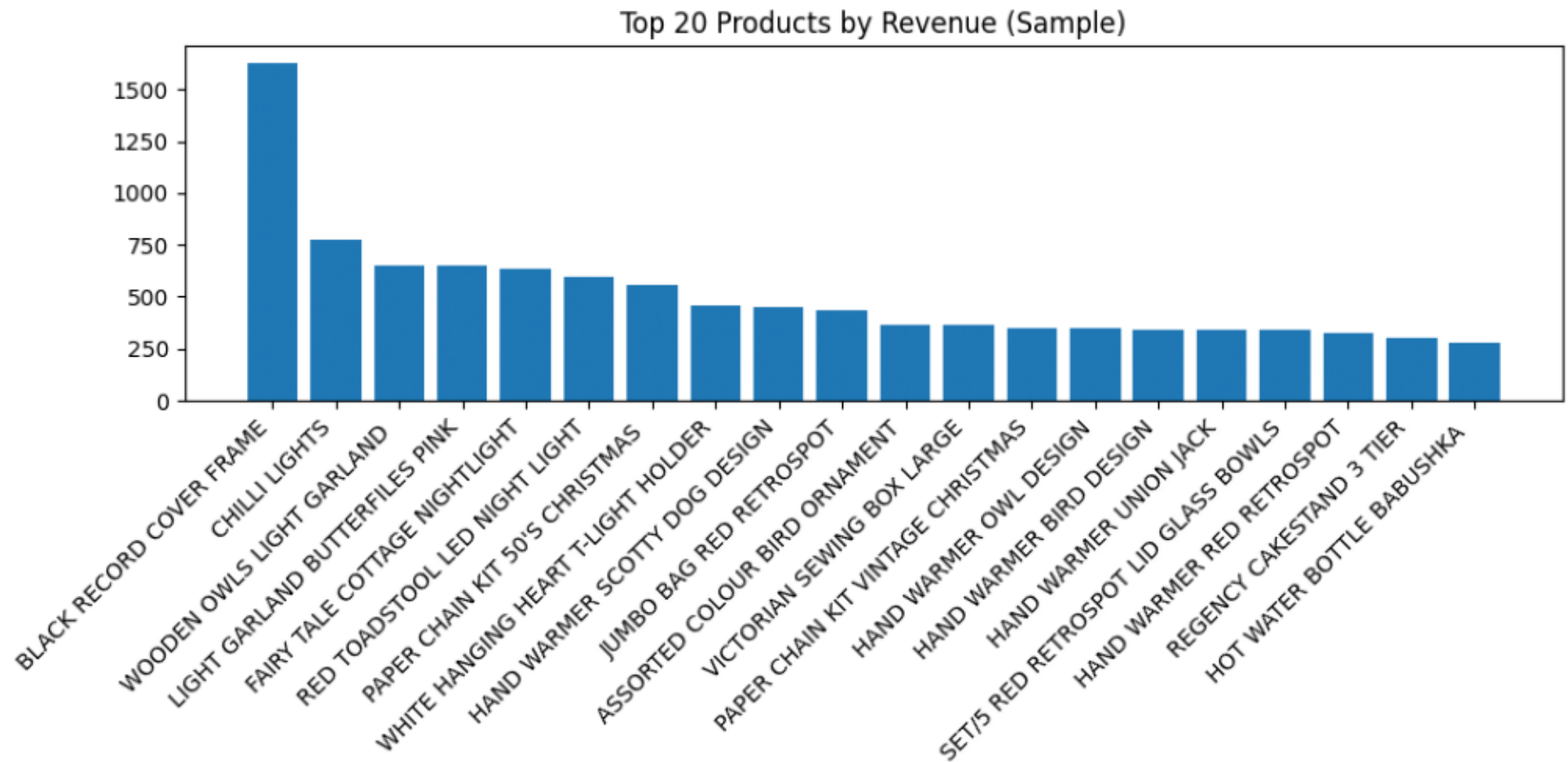
[Open CSV: monthly_revenue.csv](#)

Top Customers by Revenue (Sample)



[Open CSV: customer_revenue.csv](#)

Top 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.

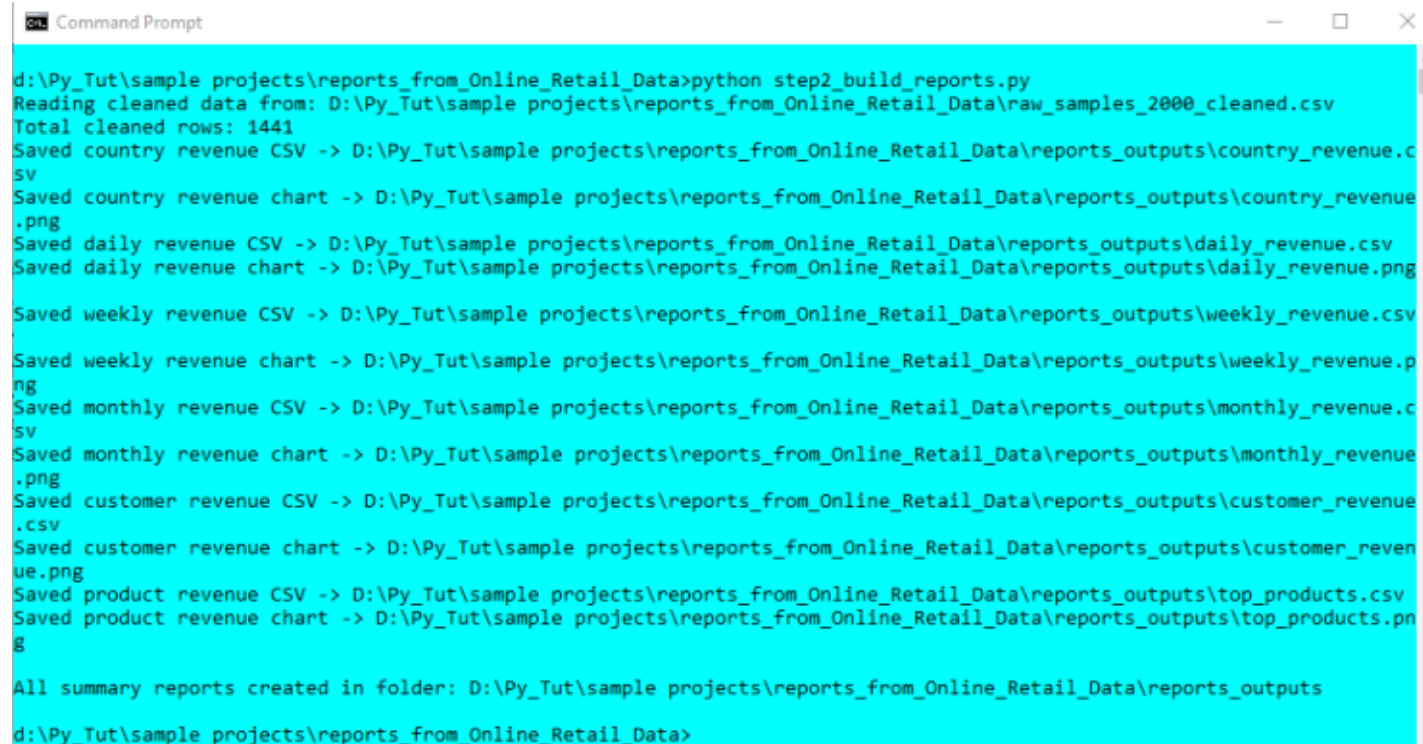
d:\Py_Tut\sample projects\reports_from_Online_Retail_Data>python step1_spilit_clean_unclean.py
python: can't open file 'd:\\Py_Tut\\sample projects\\reports_from_Online_Retail_Data\\step1_spilit_clean_unclean.py': [
Errno 2] No such file or directory

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)



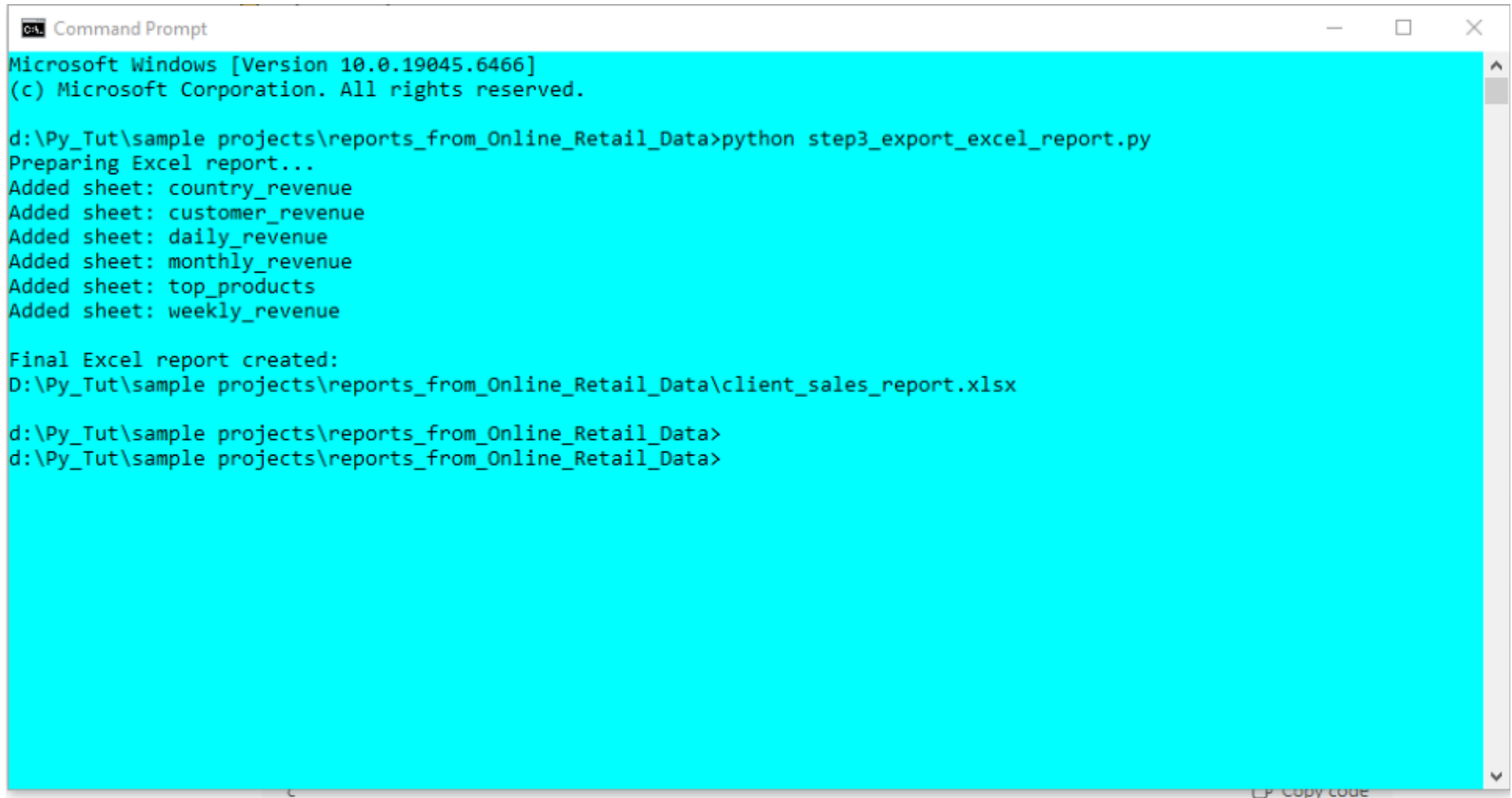
```
Command Prompt

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>
```

Copy code

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

```
1 # import ĀĖĖāċĭ+ò as ÈĭēpēPlb6DCSSYN|SHY
2 # from config import (
3     # RAWĀĖĖāċĭ+ò
4     # RAW_ĀĖĖāċĭ+ò
5     # RAW_SAMPLE_UNCLEANED_CSV,
6     # MIN_QUANTITY,
7     # ĀĖĖāċĭ+ò
8     # REQUIRE_ĀĖĖāċĭ+ò
9     # REQUIRE_ĀĖĖāċĭ+ò
10 # )
11
12 print(f"Reading raw data from: raw_samples_2000.xlsx")
13 # df = ĀĖĖāċĭ+ò
14 # # ----- Cleaning rules (using config) -----
15 #clean_ĖóŇed$ò», >ĭíý = df[ĖóŇed$ò», >ĭíý
16
17 #if ĖóŇed$ò», >ĭíýCUSTOÈĭēpēPlb6DCSSYN|SHY
18     #Ėóĭh6ĕ!;Öæ×<M5 &= 7BŮUwšßŇ¼!
19
20 #if REQUIRE_7BŮUwšßŇ¼!
21     #7BŮUwšßŇ¼! &= ÈĭēpēPlb6DCSSYN|SHYnotna()
22
23 #ÈĭēpēPlb6DCSSYN|SHYmask &= Ėóĭh6ĕ!;Öæ×<M5
24 #fÈŌšă &= āĀĖŪMgāāēŪýUSBă_ă`ú(×9œ`ȳaRTESCŭl;ĭēñ)ě#-
25
26 #Bă_ă`ú(×9œ`ȳaRT = fÈŌšă
27 #Bă_ă`ú(×9œ`ȳaRT = fÈŌšă
```

Python file length: 1,198 lines: 40 Ln: 1 Col: 1 Pos: 1 Windows (CR LF) UTF-8

16°C Clear 8:40 P 12/9/20

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

```
27 #7BûUwšßŃ¼! = ÉóĬh6£!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 # 7BûUwšßŃ¼!
34 #7BûUwšßŃ¼!
35 #ÉóĬh6£!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.")
40
```

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

```
D:\Py_Tut\sample projects\reports_from_Online_Retail_Data\step2_build_reports_preview.py - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
clean_unclean_preview.py step4_export_pdf_report.py step2_build_reports_preview.py step1_cmd_output.png
1 # import urllib as urllib;url<='N8E^f'ç
2 # import urllib;url<='N8E^f'ç as urllib?
3
4 # from config import (
5     # urllib;url<='N8E^f'ç,
6     # urllib;url<='N8E^f'ç,
7     # urllib?
8     # México,
9     # urllib;url<='N8E^f'ç,
10    # México,
11    # urllib;url<='N8E^f'ç,
12    # urllib?
13    # México,
14    # urllib;url<='N8E^f'ç,
15    # )
16
17 # urllib?_DIR.mkdir(urllib;url<='N8E^f'ç)
18
19 print(f"Reading cleaned data from: ")
20 # urllib? = urllib;url<='N8E^f'ç
21
22 # # ----- Basic preparation -----
23
24 # # Convert urllib? to urllib;url<='N8E^f'ç
25 # urllib? = urllib;url<='N8E^f'ç
26
```

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

```
163 |     # ùÍf?("MéxÝo", ýY|ýŁ×ß;ù™ðß<ì'Ñð8Ě^f"ç)
164 | # )
165 |
166 | # ùÍf? = ýY|ýŁ×ß;ù™ðß<ì'Ñð8Ě^f"ç
167 | # ùÍf? = ýY|ýŁ×ß;ù™ðß<ì'Ñð8Ě^f"ç
168 |
169 | # ùÍf?(ýY|ýŁ×ß;ù™ðß<ì'Ñð8Ě^f"çindex=False)
170 | # print(f"Saved product revenue CSV -> {prod_csv}")
171 |
172 | # ùÍf?(MéxÝo)
173 |
174 | # ùÍf?(ýY|ýŁ×ß;ù™ðß<ì'Ñð8Ě^f"ç)
175 | # ùÍf?(ýY|ýŁ×ß;ù™ðß<ì'Ñð8Ě^f"ç], top_p["MéxÝo"])
176 | # ùÍf?(ýY|ýŁ×ß;ù™ðß<ì'Ñð8Ě^f"ç)
177 | # ùÍf?(f"Top {MéxÝo} Products by Revenue (Sample)")
178 | # ùÍf?()
179 | # ùÍf?(ýY|ýŁ×ß;ù™ðß<ì'Ñð8Ě^f"ç)
180 | # ùÍf?()
181 | print(f"Saved product revenue chart -> ")
182 |
183 | print("\nAll summary reports created in folder:", )
184 |
```