

Explorer

Open Editors

EDA

python

Assignment

Problem 1

DA314\_S8\_EmployeeAttrition\_... U

EDA assignment prob 1.pdf U

Problem1.ipynb U

Problem 2

DA314\_S8\_EmployeeAttrition\_... U

sweetwiz\_demo.py U

Day 1

Practice

test\_RecallNumPyArray.py

test\_RecallPandasDataFrame.py

test\_WorkwithNumPy2DArray.py

test\_WorkwithPandasSeries.py

Day 2

Day 3

Day 4

Day 5

Day 6

venv

.gitignore

coffee\_sales.csv

matplotlib-cheatsheet.ipynb

matplotlib-cheatsheet.py

numpy-cheatsheet.py

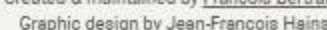
pandas-cheatsheet.py

pandas-csv-template.py

SWEETVIZ\_REPORT.html

Outline

```
python > Assignment > Problem 2 > sweetwiz_demo.py > ...
1 import os
2 import pandas as pd
3 import sweetviz as sv
4
5 # --- Configuration ---
6 # Change this to the actual full path of your CSV file
7 csv_path = r"d:\College\5th sem\Professional Electives\EDA\python\Assignment\Problem 2\DA314_S8_EmployeeAttrition_D
8
9 # --- Check if file exists ---
10 if not os.path.exists(csv_path):
11     print(f"❌ File not found: {csv_path}")
12     print("👉 Please check the path and try again.")
13 else:
14     # --- Read CSV safely ---
15     try:
16         df = pd.read_csv(
17             csv_path,
18             encoding="latin1",
19             engine="python",
20             on_bad_lines="skip",
21         )
22
23         # --- Generate Sweetviz report ---
24         report = sv.analyze(df)
25         output_path = "SWEETVIZ_REPORT.html"
26         report.show_html(output_path)
27
28         print(f"✅ Sweetviz report saved as: {os.path.abspath(output_path)}")
29
30     except Exception as e:
31         print("⚠️ Error reading or analyzing the CSV:")
32         print(e)
33
```



Category	Percentage
Maternity	45%
Maternity + Paediatrics	35%
Paediatrics	15%
Paediatrics + Maternity	5%

EducationField	0.07
JobInvolvement	0.07
TrainingTimesLastYear	0.06
AgeGroup	0.05
WorkLifeBalance	0.04
JobRole	0.04
NumCompaniesWorkedPrevious	0.04
Education	0.04
JobLevel	0.04
JobSatisfaction	0.03
OverTime	0.03
OverTime_encoded	0.03
Department	0.02
MaritalStatus	0.02