

DATA ANALYSIS PROJECT**NAME :** JAYANTH S S**DATE :** 07-12-2025**PROJECT TITLE:**

Data Cleaning and Analysis using Python

OBJECTIVE:

To load a CSV file, clean data, and generate meaningful insights using Python Pandas.

TOOLS USED:

- Python
- Pandas
- CSV Dataset

INPUT:**File Name:** data.csv

OUTPUT:

```
idle Shell 3.13.7
File Edit Shell Debug Options Window Help
Enter "help" below or click "Help" above for more information.
>>>
= RESTART: C:/Users/ragh1/AppData/Local/Programs/Python/Python313/data_analytics.py
Enter CSV file path: C:\Users\ragh1\OneDrive\Desktop\data.csv
 File loaded successfully!

===== DATA ANALYSIS MENU =====
1. Clean Data
2. Show Summary
3. Filter Data
4. Group Data
5. Exit
Enter your choice: 2

--- Summary Statistics ---
      Salary          Age
count    20.000000  20.000000
mean    51100.000000 28.500000
std     7475.574261  4.045791
min    39000.000000 22.000000
25%   45750.000000 25.750000
50%   51000.000000 28.000000
75%   57250.000000 31.250000
max    63000.000000 36.000000

===== DATA ANALYSIS MENU =====
1. Clean Data
2. Show Summary
3. Filter Data
4. Group Data
5. Exit
Enter your choice: 1

--- Cleaning Data ---
 Data cleaned

===== DATA ANALYSIS MENU =====
1. Clean Data
2. Show Summary
3. Filter Data
4. Group Data
5. Exit
Enter your choice: 5
 Exiting...
```

GITHUB LINK:

<https://github.com/jayanthsuresh28/DATA-ANALYSIS-PROJECT/tree/7962b04184e634f32b0e40b47ed2e07f5d6db8ca>