

Sample Inputs and Outputs:

Case 1:

```
-----Delhi Air Quality Analyzer-----
1) Descriptive Statistics
2) AQI Category Based Daily Split
3) Average Daily AQI Line Graph
4) Average Yearly AQI Bar Graph
5) Exit
Enter choice (1-5): 1

-----Delhi AQI Descriptive Statistics (2000-2024)-----
Mean AQI: 284.62
Maximum AQI: 930.00
Minimum AQI: 143.00
Standard Deviation of AQI: 128.03
```

Case 2:

```
-----Delhi Air Quality Analyzer-----
1) Descriptive Statistics
2) AQI Category Based Daily Split
3) Average Daily AQI Line Graph
4) Average Yearly AQI Bar Graph
5) Exit
Enter choice (1-5): 2

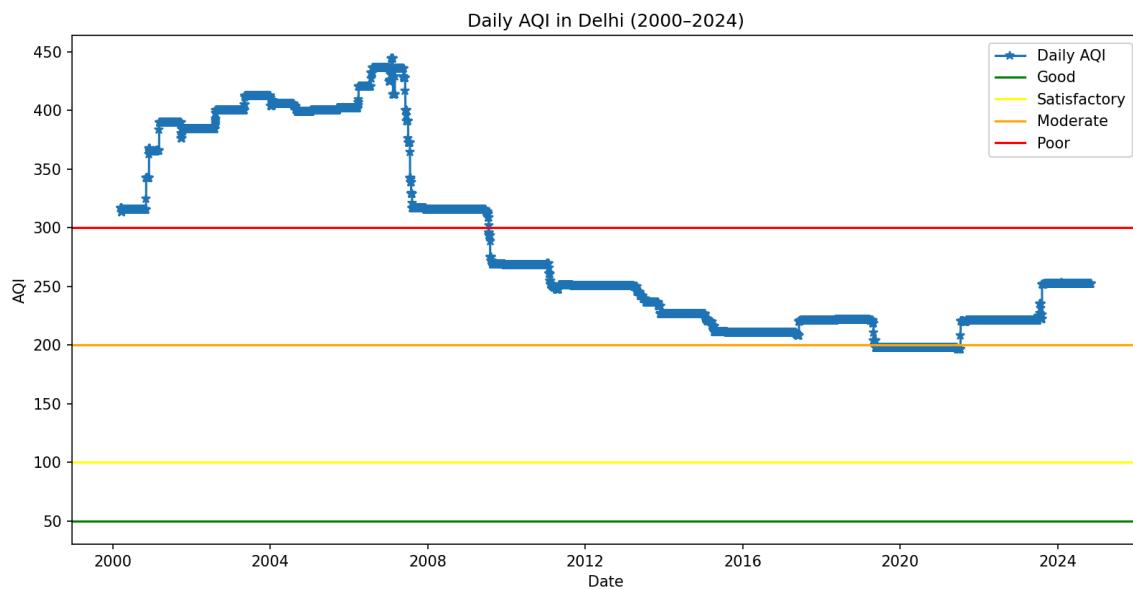
-----Days in each AQI category (2000-2024)-----
Very Poor: 1840 days (20.5%)
Severe: 1559 days (17.3%)
Poor: 4799 days (53.4%)
Moderate: 788 days (8.8%)
Over the last 24 years, 8198 out of 8986 days have had an AQI dangerous to everyone.
Percentage of days with a dangerous AQI (>200): 91.23%
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Case 3:

-----Delhi Air Quality Analyzer-----

- 1) Descriptive Statistics
- 2) AQI Category Based Daily Split
- 3) Average Daily AQI Line Graph
- 4) Average Yearly AQI Bar Graph
- 5) Exit

Enter choice (1-5) : 3

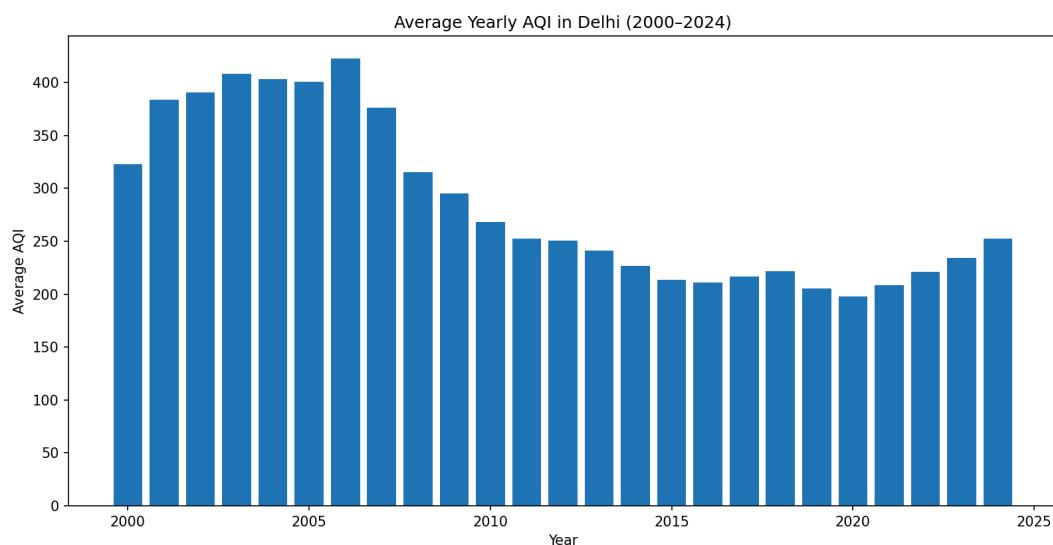


Case 4:

-----Delhi Air Quality Analyzer-----

- 1) Descriptive Statistics
- 2) AQI Category Based Daily Split
- 3) Average Daily AQI Line Graph
- 4) Average Yearly AQI Bar Graph
- 5) Exit

Enter choice (1-5): 4



Case 5:

-----Delhi Air Quality Analyzer-----

- 1) Descriptive Statistics
- 2) AQI Category Based Daily Split
- 3) Average Daily AQI Line Graph
- 4) Average Yearly AQI Bar Graph
- 5) Exit

Enter choice (1-5): 5

Program has been terminated.