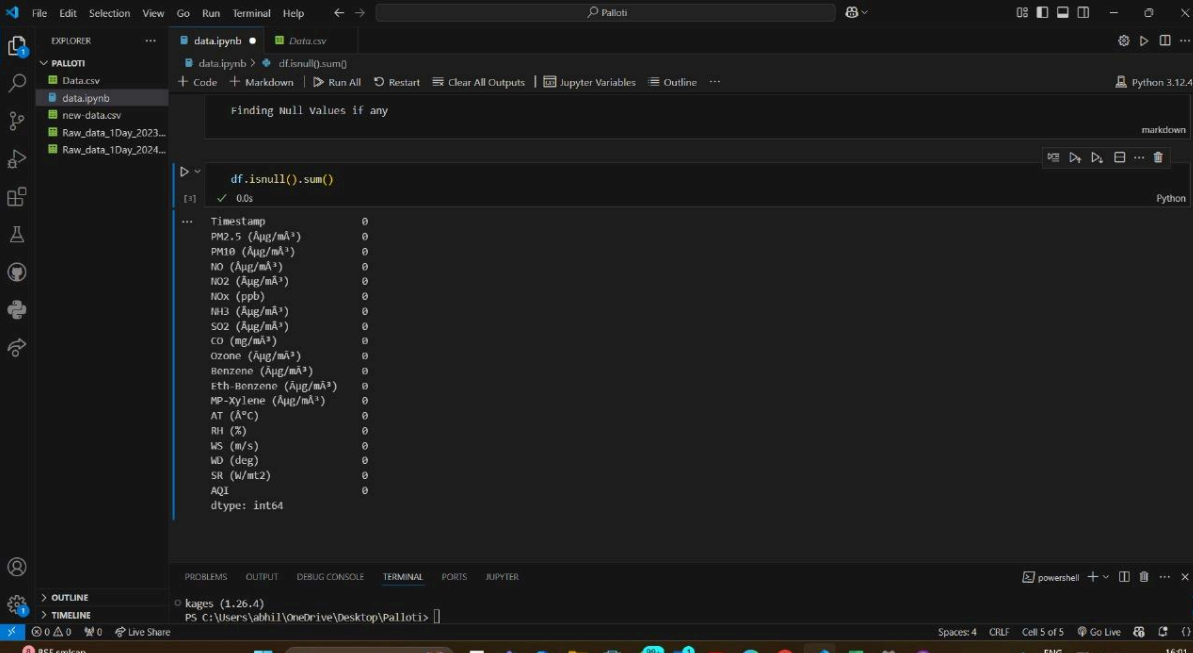


AQI Prediction (Team Career Craaft)

- Dataset was fetched from Government website CPCB which contains all the real time air quality data of India
- We collected all the data from June 2023 to Jan 2025 of Nagpur Mahal region .
- We applied Data preprocessing on the dataset and used multiple techniques for cleaning .
- We have also collected the AQI data of particular headquarters situated in multiple cities all over the Country.



The screenshot shows a Jupyter Notebook interface within a VS Code editor. The notebook is titled 'data.ipynb' and contains a cell with the following code and output:

```
df.isnull().sum()
```

Output:

```
0.0s
```

Timestamp	0
PM2.5 (µg/m³)	0
PM10 (µg/m³)	0
NO (µg/m³)	0
NO2 (µg/m³)	0
NOx (ppb)	0
NI13 (µg/m³)	0
SO2 (µg/m³)	0
CO (mg/m³)	0
Ozone (µg/m³)	0
Benzene (µg/m³)	0
Eth-Benzene (µg/m³)	0
MP-Xylene (µg/m³)	0
AT (A°C)	0
RH (%)	0
WS (m/s)	0
WD (deg)	0
SR (w/mt2)	0
AQI	0
dtype:	int64

The bottom of the image shows the Windows taskbar with the search bar and various application icons.

- In above image we have sorted and cleaned all the null values.
- Dataset used :
<https://airquality.cpcb.gov.in/ccr/#/caaqm-dashboard-all/caaqm-landing>

<https://www.data.gov.in/resource/real-time-air-quality-index-various-locations>

- AQI :

https://airquality.cpcb.gov.in/AQI_India/