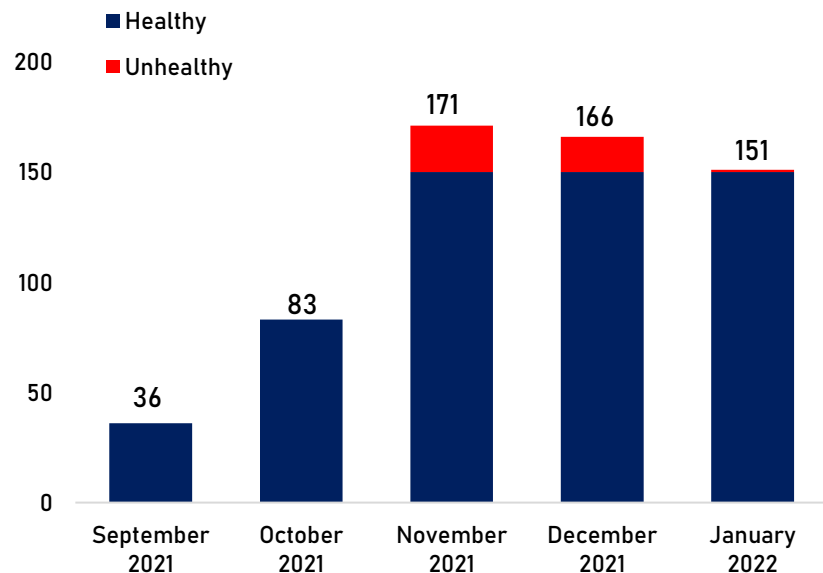






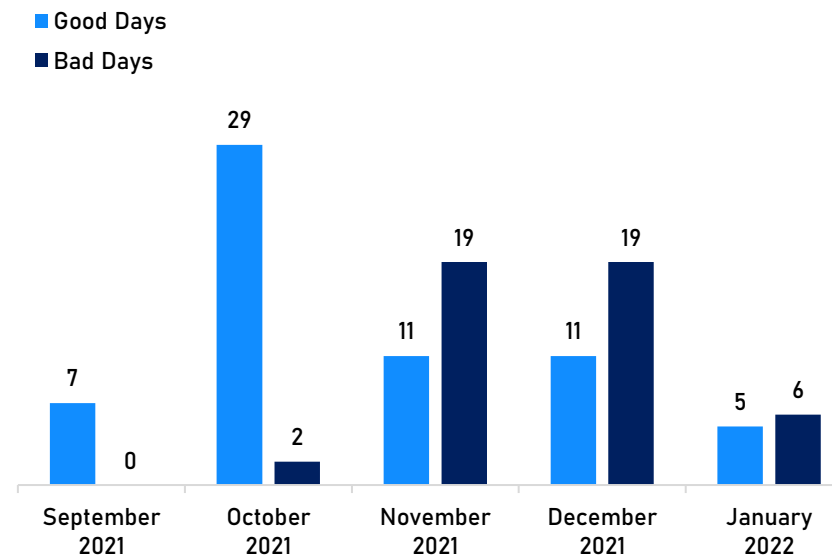
This exploratory data analysis(EDA) was done on air quality index(AQI) data of New Town , Kolkata and measurements were collected at 22.61075 Lat , 88.471695 Long with hourly intervals between 24th September 2021 to 13th January 2022 and all data were taken from Ministry Of Housing and Urban Affairs and were prepared in Ms Excel , MySQL and report were generated using MS PowerPoint , The AQI scale is provided for better understanding of the findings.

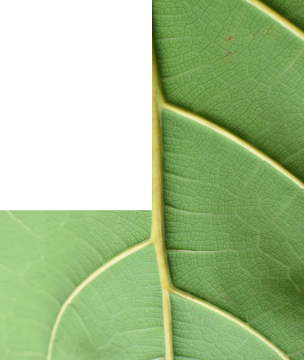




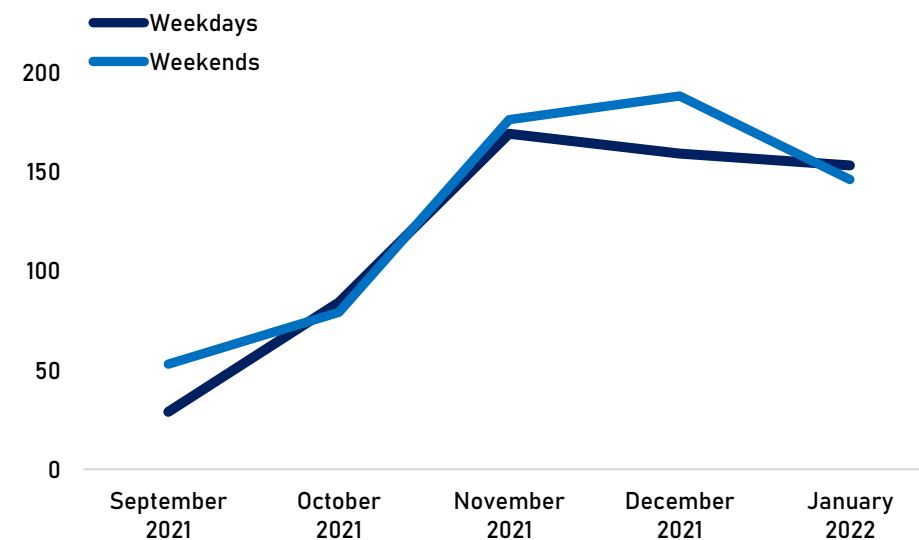
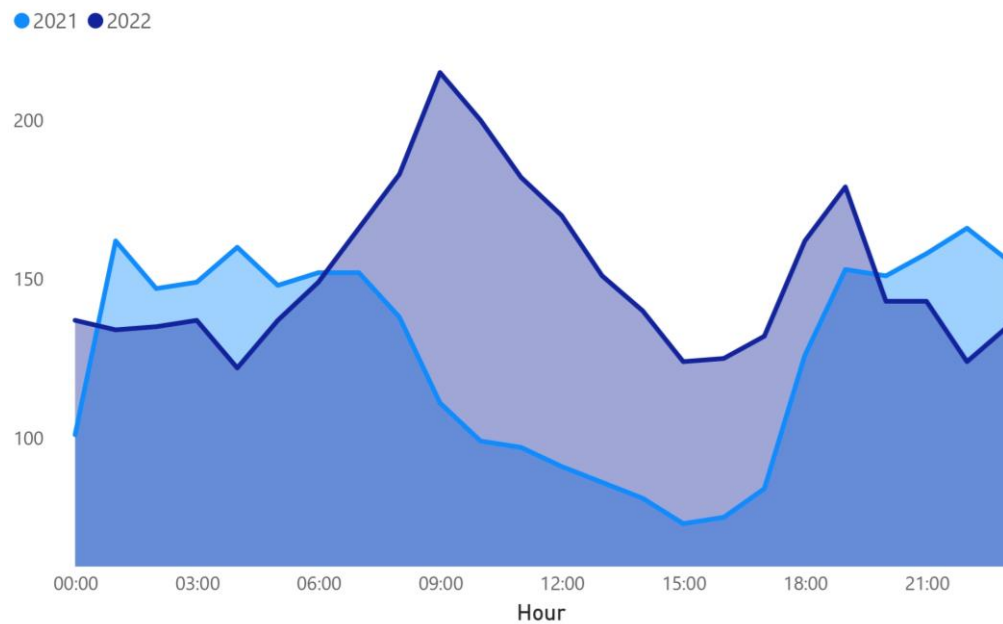
The Average Daily AQI recorded highest in month of November

October with Highest Good Days (a day is considered here as good when Average AQI of a day is lower than 150 AQI and bad when AQI is 150 or Higher.

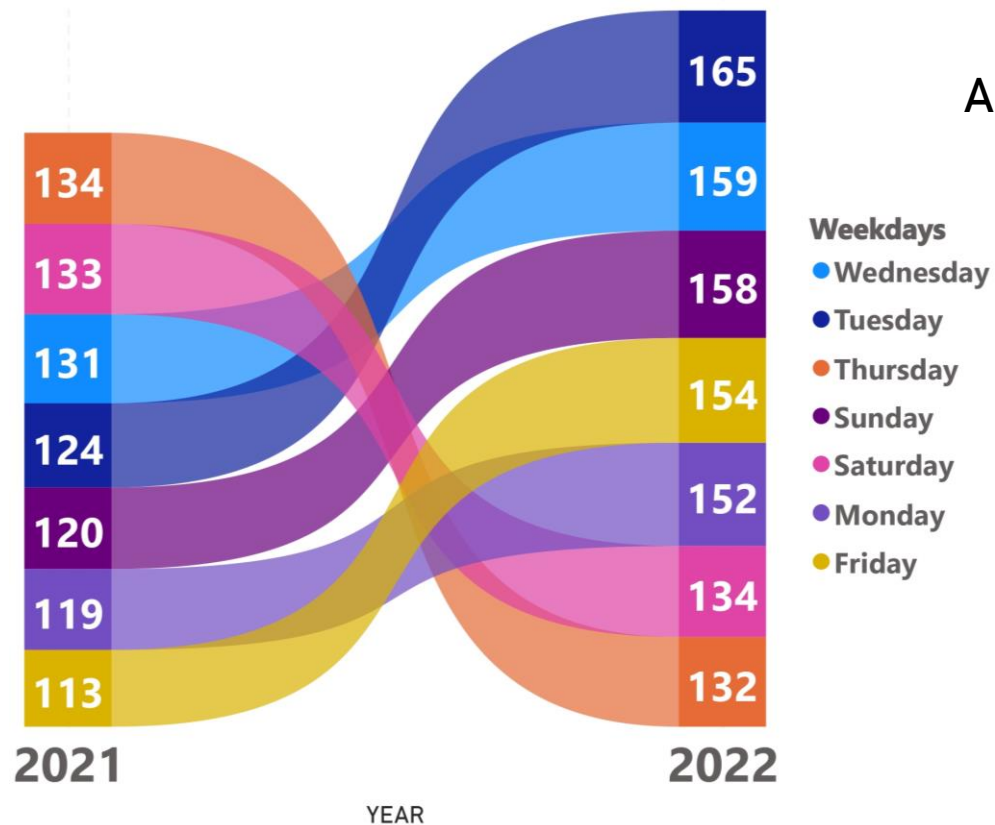




Average AQI on Weekends is always Higher except October and January



Hourly analysis of AQI in 2021 and 2022



The Highest recoded AQI is **2247** on
12th October 2021 at **4am** in the morning

Exposure to **2247** AQI for period of 24 hours
is equal to smoking **106.70** cigarettes

*according to this webapp jasminedevv.github.io/AQI2cigarettes/

Few anomalies or exception that this dataset contains

- There are 3 days of data missing
- The findings and insights taken from September 2021 and January 2022 data may not be considered cause of low sample size hence the yearly comparison may not be considered cause only 11 days of data present in 2022

THANK YOU

Presented and Prepared by
Lokenath Mukherjee



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