



# Analysis of Atmospheric Data

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**Study Area:** New Delhi, India

**Data Set:** 2013-01-01 to 2017-04-24 (Daily Data)

**Atmospheric Variables:** Mean Temperature,  
Pressure,  
Wind Velocity,  
Humidity

**Tools:** Python (Numpy, Pandas, Matplotlib, Seaborn)



## Analysis Questions

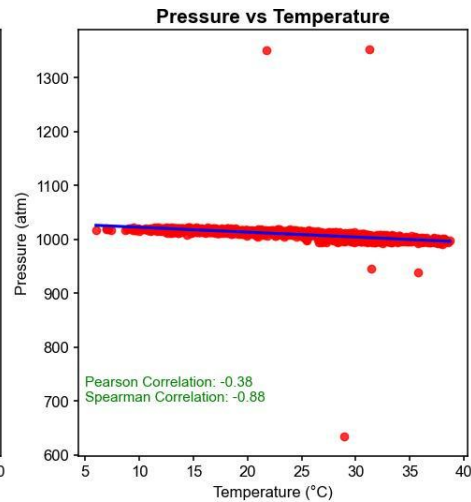
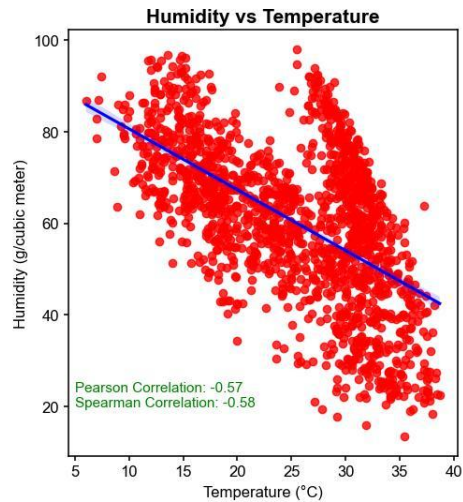
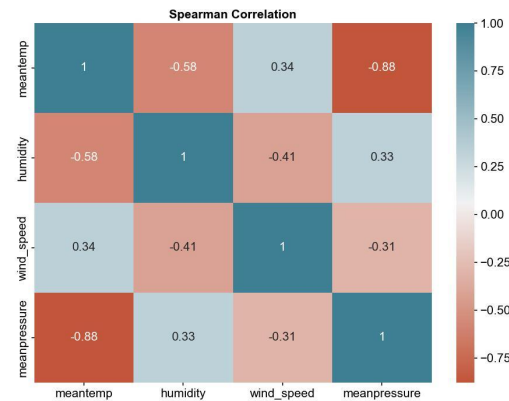
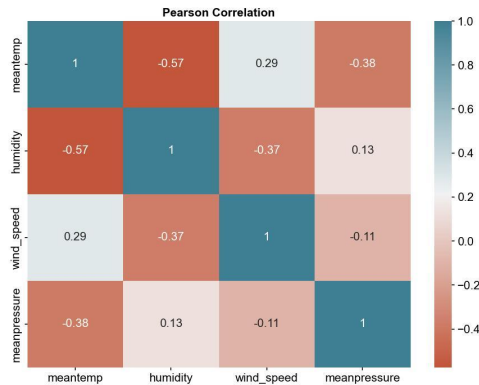
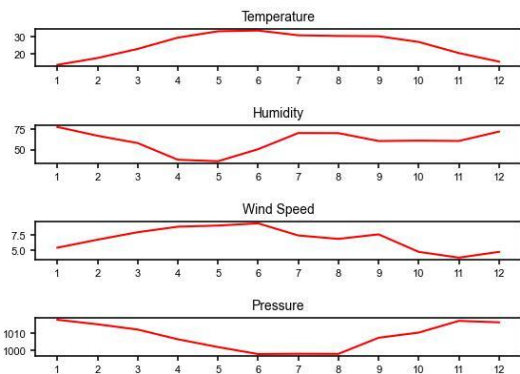
1. When do the values of the variables get higher and lower?
2. Are there any strong correlations between variables?



## Data Cleaning and Transformations

- No null value
- Few unnatural values/ outliers
- No duplicate value
- Two datasets were merged
- Column “date”: from object to datetime64

## Seasonal Cycles





Thank you