

CALIFERNIA AIR EMISSION

Introduction:-

- Cali emission is known as California emissions.
- It is one of the standard emission platform in U.S.A.
- The meaning of California emissions are that are used dual emission platform encompassing California and federal requirements.

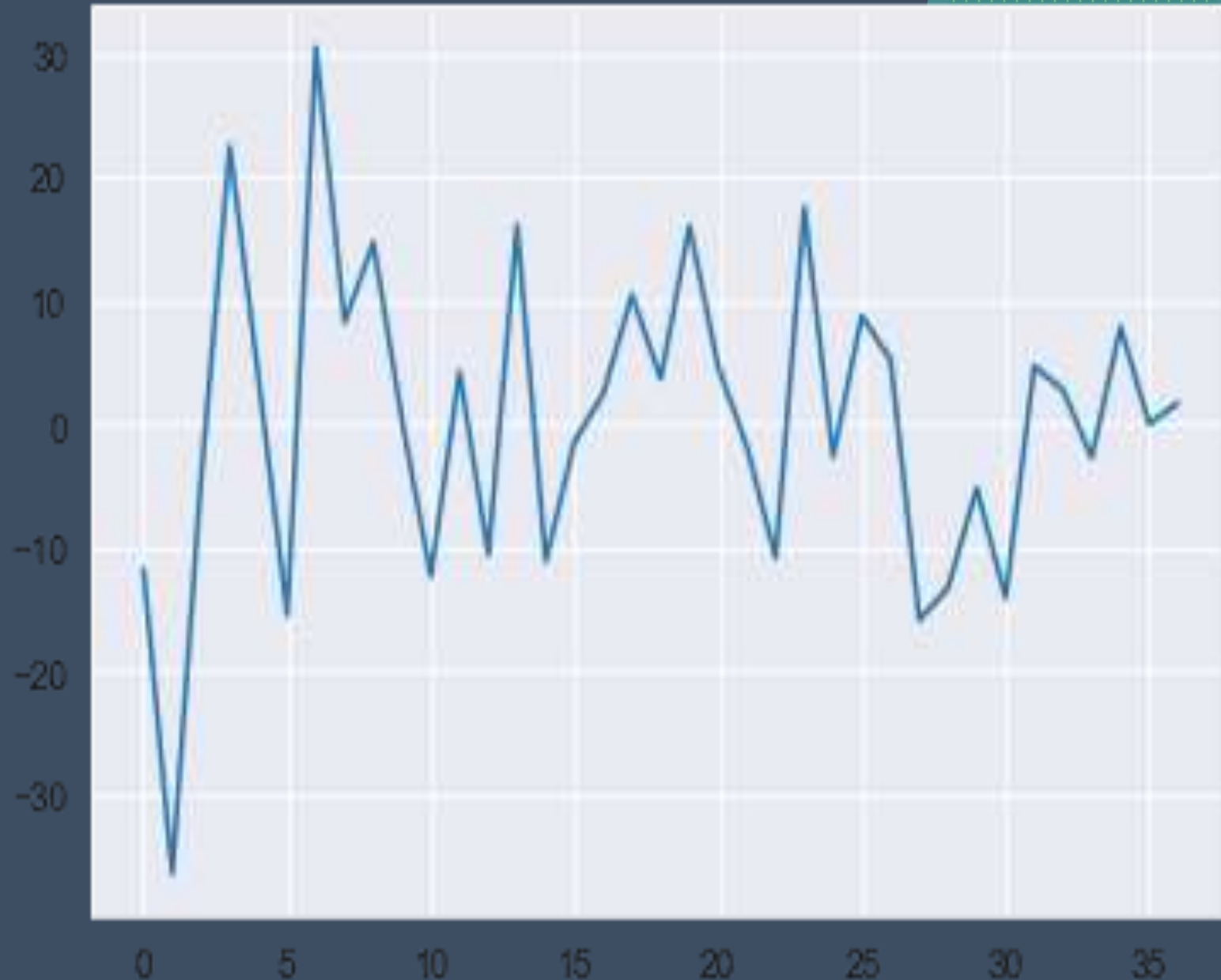
Trend analysis:-

- It is the measure of increase or decrease the value in the time series with respect to time interval.

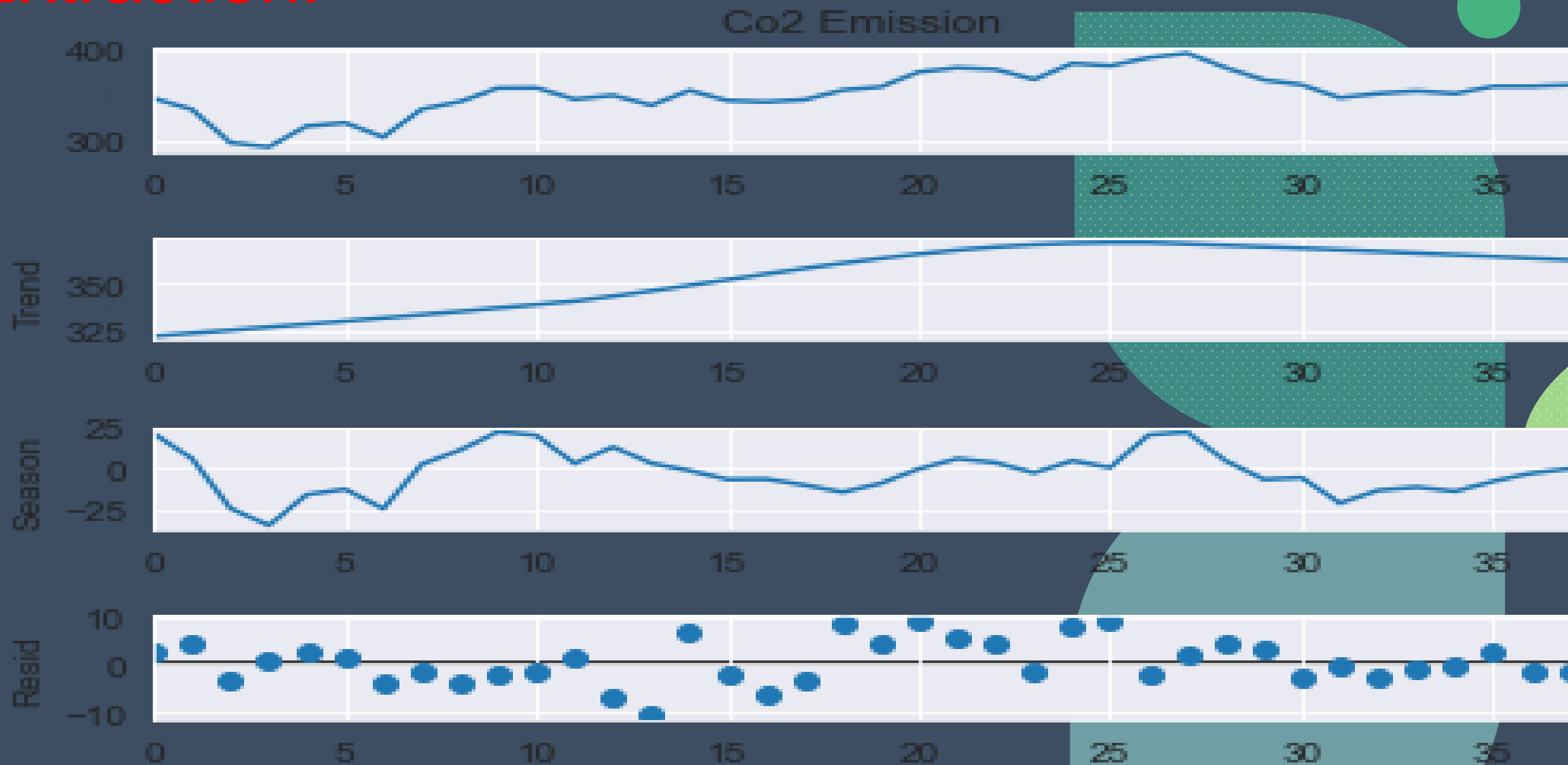


Detrending Analysis-

- Detrending refers to change the trend from a time series.
- We need to detrend because data creates some kinds of distortions.

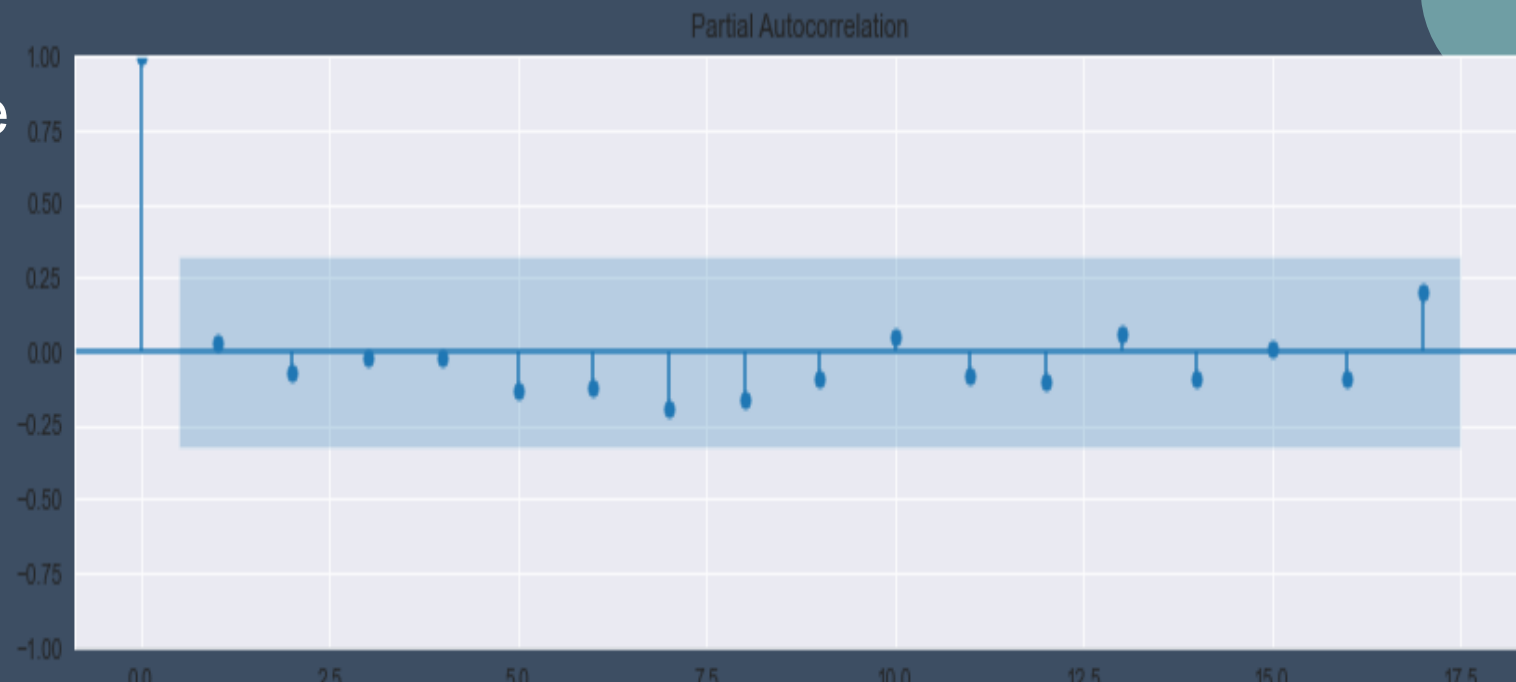
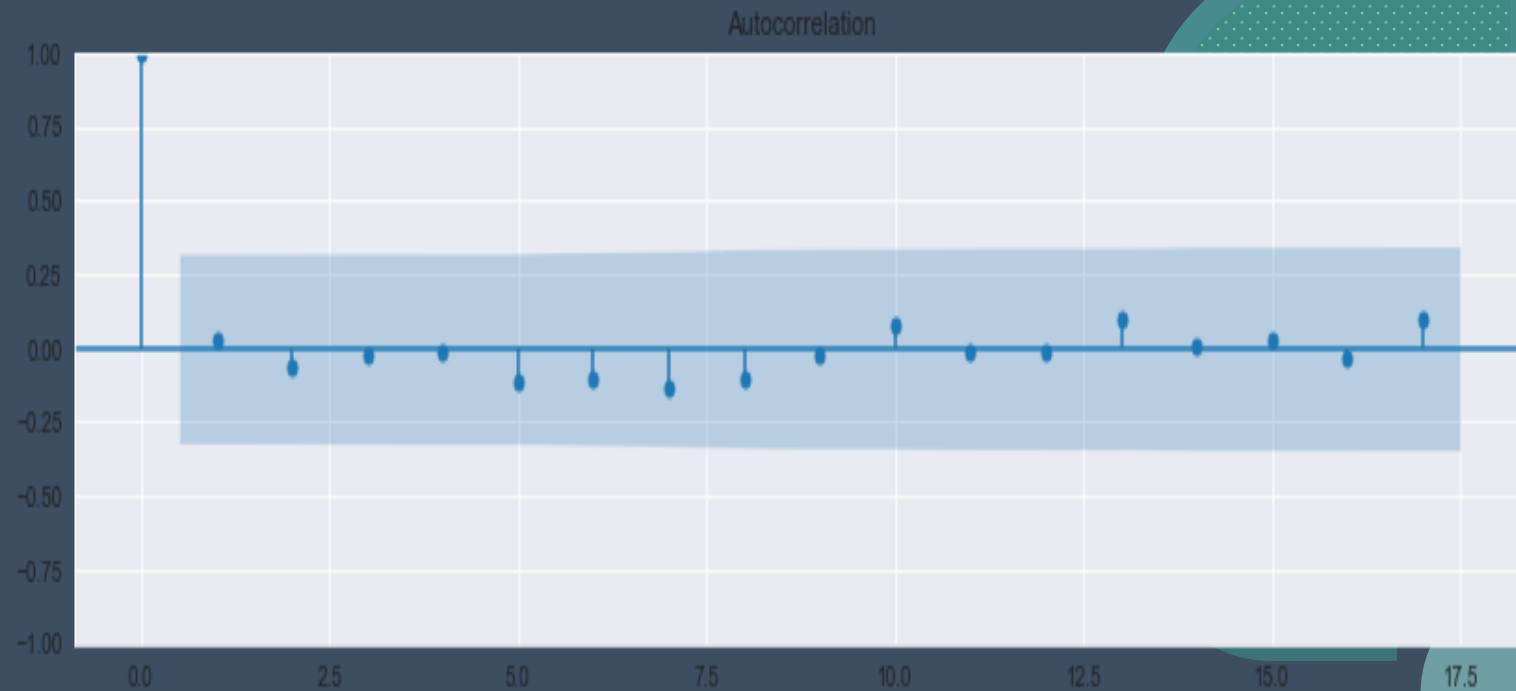


Extraction:-



Auto correlation & Partial auto correlation:-

- Auto correlation is the intended to measure the relationship between a variables of a present values with any past values.
- Partial auto correlation is a summary of the relationship between an observation in a time series with observations at prior time steps with the relationships of intervening observations removed.



Forecasting:-

- Forecasting is the process of making predictions based on present & past data.



Forecasting Using Arima:-

- Arima is a method for forecasting based on a historical time series.
- The forecast intervals for Arima models are based on assumptions that the residuals are uncorrelated & normally distributed.
- Based on the above experiment



Holt-Winters model:-

- Holt-Winters is model of time-series behavior.
- Holt-Winters models is a way to model three aspects of the time-series that is average, slope , seasonality.

