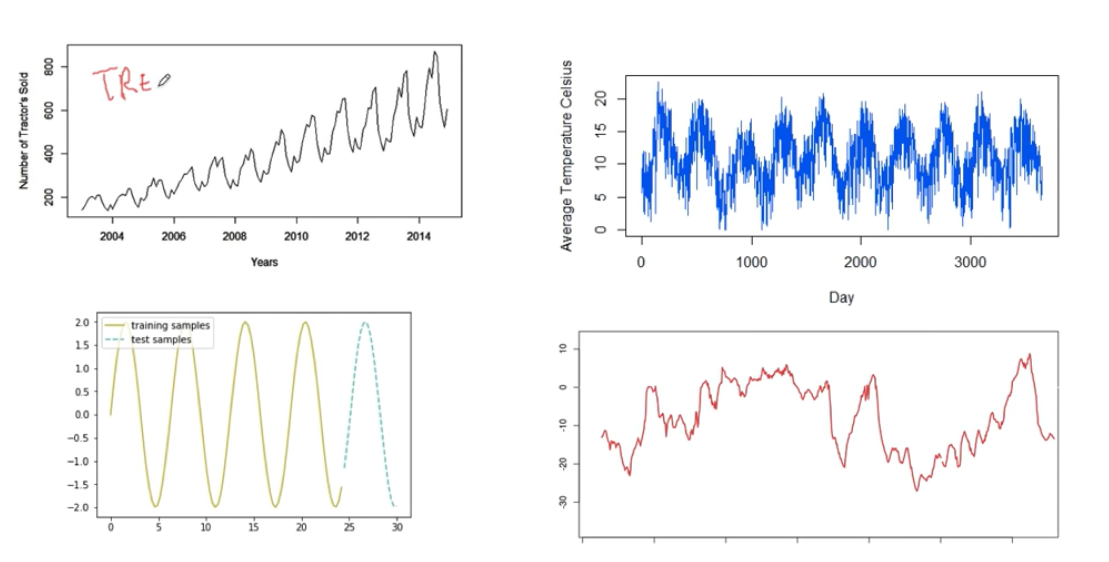
**Time Series**

**Time Series Forecasting :**

Time series is a set of observations on the values that a variable takes at different times.

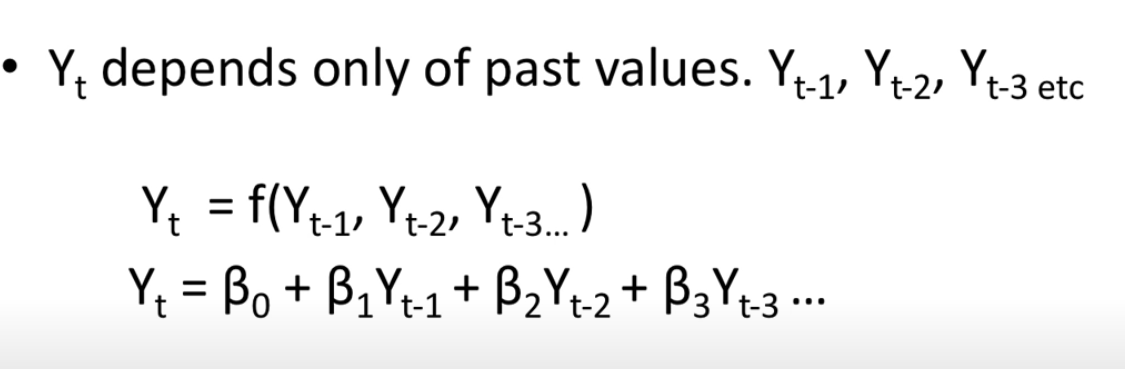


**White Noise :**

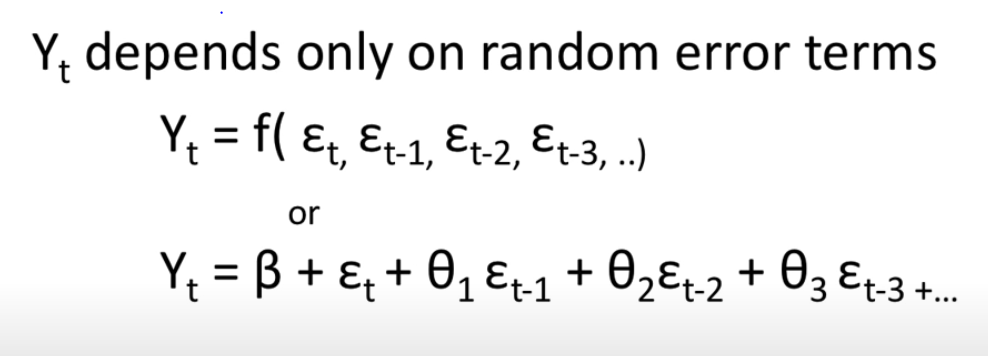
A series purely random in nature is called as white noise

Average is the best forecast of the series.

**Auto Regressive Model(RA) :**

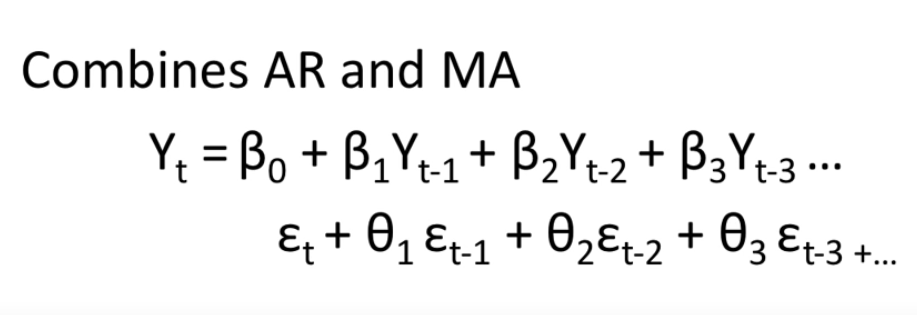


**Moving Average Model(MA):**

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**ARIMA Model:**

Auto Regressive Integrated Moving Average.

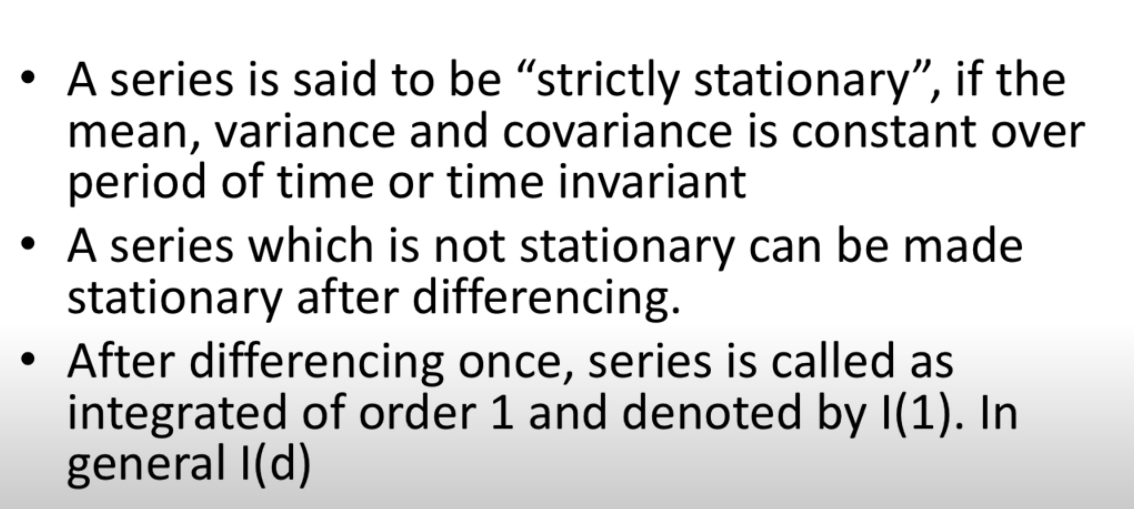


**Stationarity is important :**

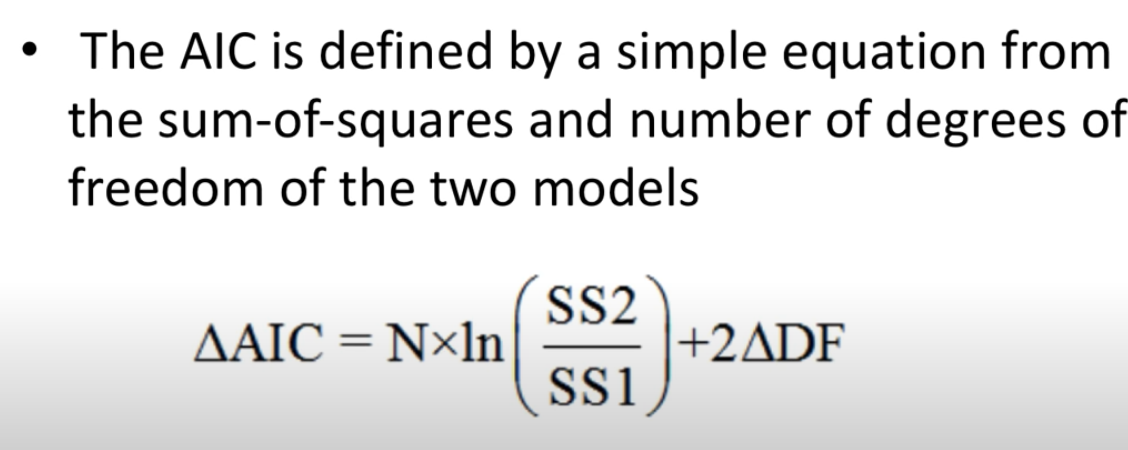
Most model assumes stationarity of data. In other words standard techniques are invalid if data is non-stationary.

**Auto Correlation :**

Auto correlation is the similarity between observations as the function of the time lag between them



**Akaike Information Criteria :**

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