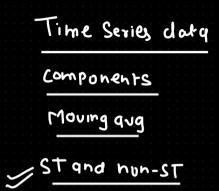
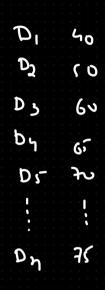
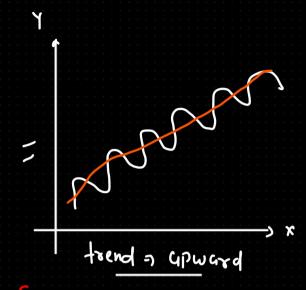
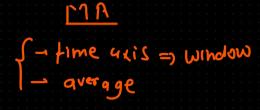
## Stationary and Non-stationary time Series



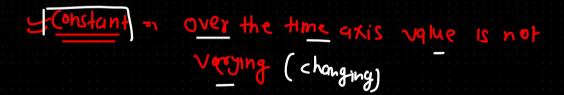


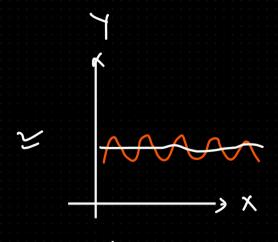




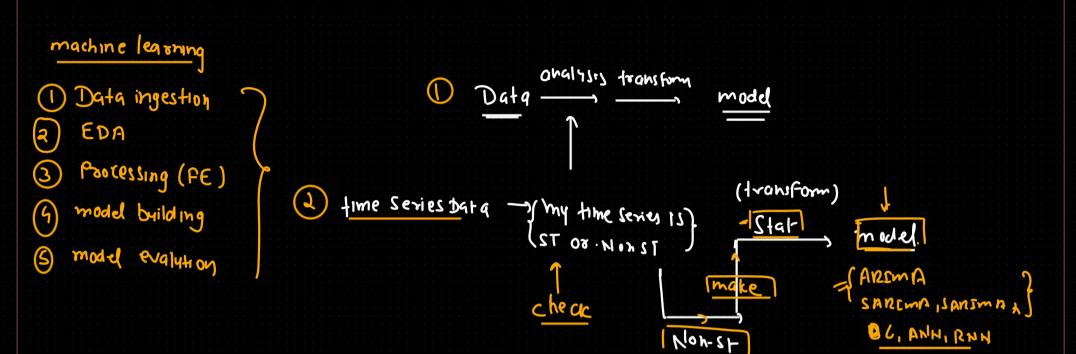
- not Constant over the time
- Over the time

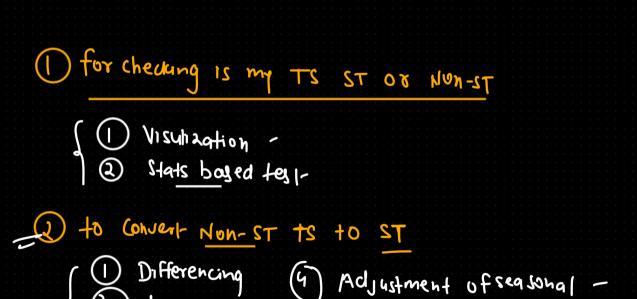
[ stationary time series = mean war will be const]





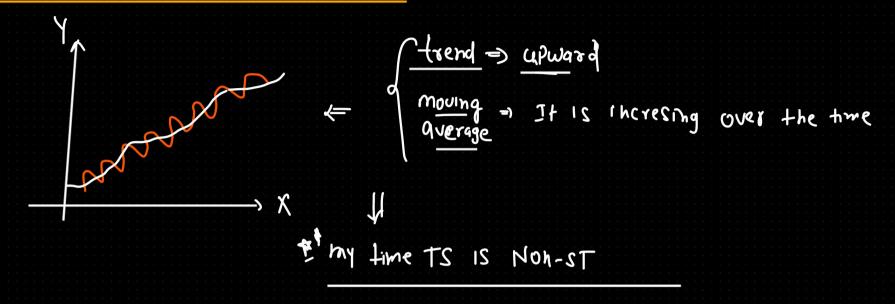
trend is flat or Horizontal

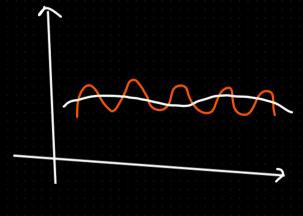




D949

## 1) To Check my to is ST or Non-ST





Trend => flat
moving aug => housing average is constant
over time

my time seny is sT



ADF - Augumented dickey fullar tel

1) Static fey f 2) P-value 3) Critical value

P < 0.05

my Nail hyphotresis

P> 0-05

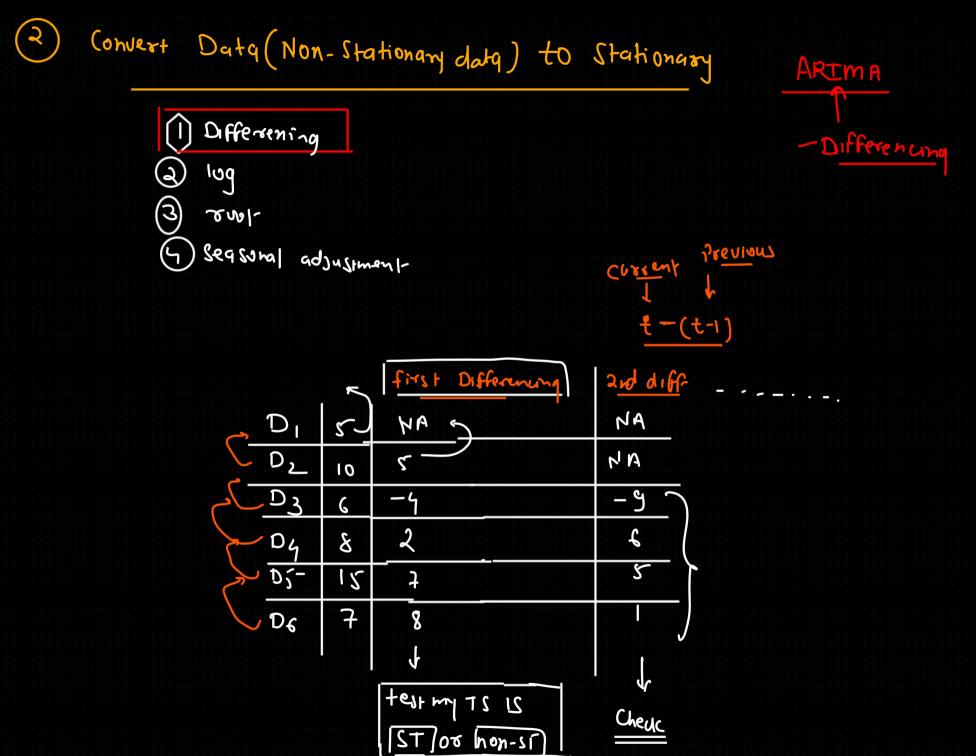
I am going to accept

Ho = Null hyp Lotheris

- my data is Non-Stationary

Ha = beternative hyphothesis

my data is stationary



if st then fine else 90 for he Diffe