ALF, PACF, Auto Regression

ACF => auto correlation function

PACF => Partal auto correlation function

ACF ⇒

AUTO + CORRELATION

Correlation ikaf in the feature

it's a relationship byw two feature

= X, X2 | Pearson

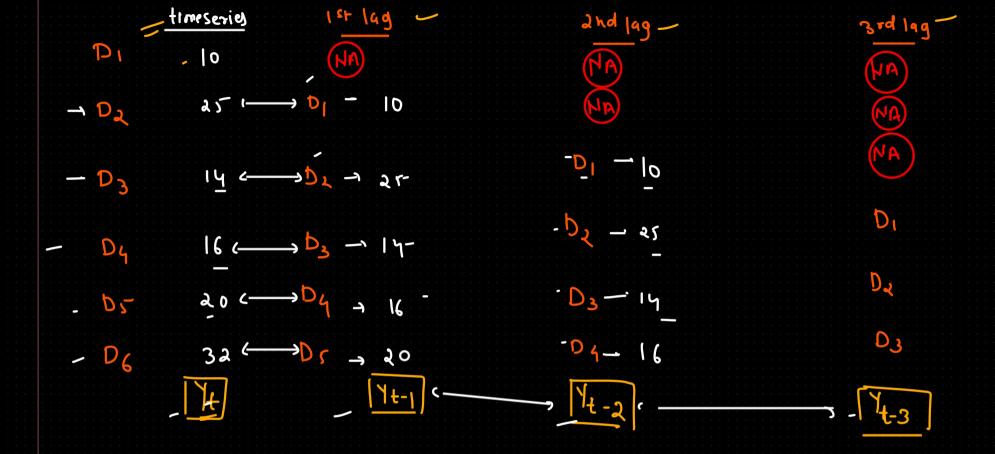
= = = | Spareman rank
| kendall

+ 1meseria

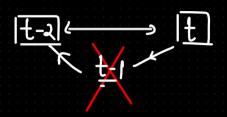
- D- 10

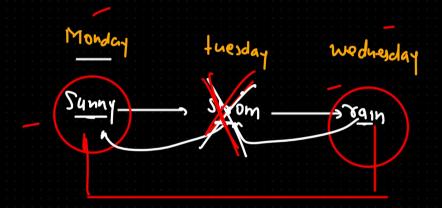
- D- 20

ACF measure the correlation between time series and it's lag value

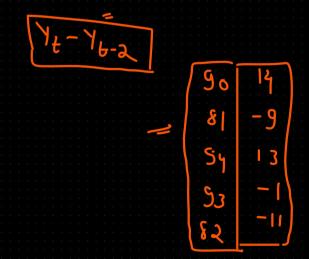


PACE = Partial Guto correlation fly





YEAR	PROFIT	
1-105010	76	
1-9 2011	- 80	
1 - v 2012 -	905	14 2
2013	^ 🚜)	
+-6 2014	81	-g /
F ~ 2015	×J	
1 4 2016	94	13
1-3 2017	X J	
+-2 2018	93	-1
2019	X	
+ 2020	ŏΖ	



17+-7t-3

Auto

noissapsa

=> regression itsaif
in the var.

X

The Udlue at Current timestamp

(off term

(onstant

X-> Independent
Dependent
Dependent
Dependent
Slope intercept-

Y = m, x, + m, x, + m, x, + l

ACF PACF

$$\gamma_t = \gamma_{1+1} + c$$

ARIMA