1) ARMA - que anayuonapenerse

2) ARIMA - gla mechaguonapulus (no M.O.)

3) SARIMA - gue cezonium

4) SARIMAX - C Exzorennous nepresenuous

5) PARIMAY-GARCH,

AR(P) - mroyecc

y+2 50 + By+-+ + Br y+-2+--+ Bpy+-p + C+ AR(2) y+= B+ B1 y+-1 + B7 y+-2 + E+, Ee ~ id

(1- B2L - B2L) y+ = E1

(1- (1) (1- (1) yt = E +

$$y + 2 = \frac{\xi_{+}}{(1 - U_{1})(1 - U_{2})}$$
 Eam bee regree $z + \xi_{+}$. $\xi_{+} = \xi_{+} = \xi_{+$

Eau bee regree <1

E++1, Et 1 E+-1

y = P(L) &

$$K = 2 \quad \begin{cases} \gamma_{2} = \beta_{1} & \gamma_{1} + \beta_{2} \end{cases} \quad \begin{cases} \gamma_{2} = \beta_{1} & \gamma_{1} + \beta_{2} \end{cases} + \beta_{2} \\ K = 3 \quad \begin{cases} \gamma_{3} = \beta_{1} & \gamma_{2} + \beta_{2} \end{cases} + \beta_{2} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{2} & \gamma_{3} + \beta_{2} \end{cases} + \beta_{2} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{2} & \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{2} & \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{2} & \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{2} & \gamma_{3} + \beta_{2} \\ \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{2} & \gamma_{3} + \beta_{2} \\ \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{2} & \gamma_{3} + \beta_{2} \\ \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{2} & \gamma_{3} + \beta_{2} \\ \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{2} & \gamma_{3} + \beta_{2} \\ \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} & \gamma_{3} + \beta_{2} \\ \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} & \gamma_{3} + \beta_{2} \\ \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} & \gamma_{3} + \beta_{2} \\ \gamma_{3} + \beta_{2} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} & \gamma_{3} + \beta_{2} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} & \gamma_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} + \beta_{3} \\ \gamma_{3} + \beta_{3} \end{cases} + \beta_{3} \\ K = \hat{J} = \begin{cases} \gamma_{3} + \beta_{3} +$$

$$y_{t} = d_{0} + (d_{1})y_{t-1} + J_{t}$$

$$\begin{cases} E(J_{t}) = 0 \\ COV(J_{t}, y_{t-1}) = 0 \end{cases}$$

$$COV(J_{t}, y_{t-1}) = 0$$

$$COV(J_{t} - J_{0} - J_{1}y_{t-1}) = J_{1} - J_{1}J_{0} = 0$$

$$S_{1} = J_{1}$$

$$y_{t} = \int_{0}^{2} v^{t} \int_{0}^{2} y_{t-1} + \int_{0}^{2} y_{t-2} + \ell_{t}$$

$$y_{T+1} = \int_{0}^{2} v^{t} \int_{0}^{2} y_{T} + \int_{0}^{2} y_{T-1} + \ell_{T+1}$$

$$E(y_{T+1})T) = \left[\frac{y_{0} + \int_{0}^{2} y_{T} + \int_{0}^{2} y_{T-1}}{y_{0} + \int_{0}^{2} y_{T} + \int_{0}^{2$$

f, t, 1, 96 50

 $y_{T+2} = \beta_{0} + \beta_{1} y_{T+1} + \beta_{2} y_{T} + \epsilon_{T+2}$ $E(y_{T+2}|T) = \beta_{0} + \beta_{1} E(y_{T+1}|T) + \beta_{2}y_{T} + 0$ $e_{2} = \epsilon_{T+2} + \beta_{1}(y_{T+1} - E(y_{T+1}|T)) = \epsilon_{T+2} + \beta_{1}e_{1}$ $Vov(e_{2}) = \epsilon_{1}^{2} + \epsilon_{2}^{2} + \epsilon_{3}^{2}$

MA(q):

Borcer SCF (object na q)
Beerga cuayuonapen
AR(D)

Bosicia PACF (obpoil va P) Consuprosequen eau vien eg. vorvient

Mucromarobbel uponozer,
Tronez cregues esc-cx x Sezyca. MO.
Tronez guenerem esc-ca x Sezyca
guererem

yt = Bot Bryt. 1.-+ Bpyt-pt Et + dr Et-rt.-+ dg Et-g ARMA (P, 9) - ucgelo