Auto correlation

Lemedies:

$$yt - py_{4-1} = p_1(1-p) + p_2(x_4 - p_1x_{4-1}) + \epsilon_1$$

$$y^{\frac{1}{k}} = \beta^{\frac{1}{k}} + \beta_{2} x^{\frac{1}{k}} + \varepsilon_{1}$$

$$y^{\frac{1}{k}} = \beta^{\frac{1}{k}} + \beta_{2} x^{\frac{1}{k}} + \varepsilon_{2}$$

$$y^{\frac{1}{k}} = \beta^{\frac{1}{k}} + \beta_{2} x^{\frac{1}{k}} + \varepsilon_{2} x^{\frac{1}{k}} + \varepsilon_{2}$$

$$y^{\frac{1}{k}} = \beta^{\frac{1}{k}} + \beta_{2} x^{\frac{1}{k}} + \varepsilon_{2} x^{\frac{1}{k}$$

MA(1) fransform - GLS

$$\beta_{GLS} = (x' \Omega' x)^{-1} x' \Omega^{-1} y$$

$$\Omega = covariation matrix of errors$$

$$\Omega = 6 \frac{1}{6} \left(\frac{1}{2} \frac{0}{1} \frac{0}{$$

Λ V WLS

FGLS

$$AR(1) : M_{+} = \int M_{+} + \varepsilon_{t}$$

$$A = \frac{\delta_{t}^{2}}{1 - \rho^{2}} \qquad \begin{cases} \rho^{1} & \dots & \rho^{N-1} \\ \rho^{N-1} & \dots & \rho^{1-1} \end{cases}$$

$$Van(M_{+}) = \frac{\delta_{t}^{2}}{1 - \rho^{2}}$$

$$Cov(M_{+}, M_{+-1}) = Van(M_{+}) \cdot \rho^{k}$$

$$MA(1) : M_{+} = \varepsilon_{t} + \rho \varepsilon_{t-1}$$

$$A = \delta_{u} = \delta_{u}$$

 $yt = \beta y_{t-1} + \beta_1 (1-\beta) + \beta_2 x_{t-1} + \beta_1 x_{t-1} +$