Time Sovies

· Cross Scotional Data 1 time period N obs \_\_ Time Scries T time period 1 065 · Parel Pata T time payod Vols Problem & a) HOUS = \$1 + B2DPT + 4 b) Howt = p, + p2. PPIt + ADL (0, 1) + B3 · PPI t-1 + U+ c) HOUS = B1 + B2. DPIE + ADL(1,0) B3 - HOUS t-1 + UF ADL (p,q)

A2D[(p.g)

APL(1,0) Problen 2 ~ N (v, b~) y = f, + fr. 94 + B, g+-1 + U+ B3 / < 1 L yt = yt-1 -2 + -4 + 29+ = p, + B2-86 + B3-L9+ W (1-B3L) yt = B1+ B2. 94 LUL  $y_{t} = \frac{\beta_{\pm}}{1 - \beta_{3}L} + \frac{\beta_{2}}{1 - \beta_{3}L} + \frac{U_{t}}{1 - \beta_{3}L}$ 9=3,1 yt = + b2 Nt + b2 B2 Ne + + fr fr L2 L2 1 + ... + 11 t J+= pt + p2 M4 + f2 f3 M+-1+ p2-B3 X+-2+...+ 1/4

hoblers: ADL (1.0) y = p, + pr. 94 + B, y+-1 + U+ yt-1= B1+ B2- ML1 + B2. yt-2 Ut = Et + f. Et-1 1 (Cet-1)+ P Ex-2 Althoroxel alion of arm tun Indesprepatation Short-tam many effect: y = p, + pr. 94 + B, y+-2 + U+ Long - term mang. effect y = B, + B2. 2e + B3 y (1- /2) = g, + g2 - 2  $\frac{1}{3} = \frac{\beta_1}{1-\beta_3} + \frac{\beta_2}{1-\beta_3}$ 

ADL (0,00)

CAT = BI + BZUDPI+ + ODPI+-1+ + Ju & PR+ + & PR 2-1 + 4+