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Problem 1

Consider an example of a system (a simplified version of the accelerator multiplier model) in which there are linear constraints of the non-excluding conditions:

which there are linear constraints of the non-excluding conditions:
$$\begin{cases} C_t = a_0 + a_1 Y_t + a_2 C_{t-1} + u_{t1} \\ I_t = b_0 + b_1 \left(Y_t - Y_{t-1} \right) + u_{t2} \\ / Y_t = C_t + I_t, \end{cases}$$
 where C_t is consumption; $\mathcal{Y} L - \mathcal{C} L$ and $\mathcal{C} X$.

 I_t - investments;

 Y_t - income.

$$\begin{cases} C_{1} - \lambda_{1} Y_{1} = \lambda_{0} + \lambda_{2} C_{1-1} + u_{11} & A = \begin{bmatrix} C_{1} \\ B \end{bmatrix} \\ -C_{4} + (I_{-}b_{1}) Y_{1} = B_{0} - \lambda_{1} Y_{1-1} + u_{12} \\ C_{4} & I_{1} \\ -C_{4} & I_{-}b_{1} \\ -C_{5} & C_{5} \\ -C_{6} & C_{5} \\ -C_{7} & C_{5} \\ -C_{7} & C_{7} \\ -C$$

9 1 7 1= 9 -1 => ovaidant.

AME AS L PM NM.E. is constant 3) Heterosc. Easy to est.

McFadder (pseudo)-
$$R^2$$
 =

1- $\frac{\ln(L)}{\ln(L_0)}$ $\frac{1}{\ln(L_0)} \approx \ln(L_0)$
 $\frac{\ln(L_0)}{\ln(L_0)} \approx \frac{1}{\ln(L_0)} \approx$

3)
$$Lk: ho: P(Y=1): k \Rightarrow Ln(L_k)$$
 $La: P(Y=1): Uk \Rightarrow In(L_{Wk})$
 $Ll2 \Rightarrow -2(ln(L_{lk})) \Rightarrow -$

= In (Lur) 2 ~
$$\chi^2$$

$$-2(-67+66,1)=+0,1<\chi^{2}_{1}$$

TOPE

FOR

FOR