1) Lagrangian

3 Bellman => { State variables

3) Hamiltonian

The Basic MIU Model:

Money In Utility

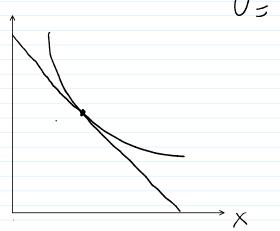
 X_1 X_2 - . - X_n

Pi P2 - Pn

 $\frac{P_2}{P_1}$ $\frac{P_3}{P_1}$ $\frac{P_n}{P_1}$

P1=1

U= U(X,Y)



76= Mt = Mt

P+ Criver

Real Balances

تراز معنعی

tavakolianh. github.io

U= U(Ct. 7+)

$$7t = \frac{Mt}{Pt Nt} = Mt$$

$$V'_{cz} = V'_{zc} = 0$$

$$V(X,Y) = a \times b Y$$

$$7 - 0$$

$$2t = \frac{Mt}{Pt Nt}$$

$$2t = \frac{Mt}{Pt Nt}$$

$$3t = \frac{Mt}{Pt Nt}$$

$$4t = \frac{Mt}{Pt Nt}$$

$$3t = \frac{Mt}{Pt Nt}$$

$$3t = \frac{Mt}{Pt Nt}$$

$$3t = \frac{Mt}{Pt Nt}$$

$$\sum_{t=0}^{T} \beta^{t} U_{t} = \sum_{t=0}^{T} \beta^{t} U(C_{t}, M_{t})$$

$$\sim \langle \beta < 1 \quad \beta = \frac{1}{1+\beta}$$

$$Y_{t} + T_{t}N_{t+}(1-8)K_{t-1} + \frac{(1+it-1)B_{t-1}}{P_{t}} + \frac{M_{t-1}}{P_{t}} = C_{t+}K_{t}$$

$$+ \frac{M_{t}}{P_{t}} + \frac{B_{t}}{P_{t}}$$

Y = C+S

$$\frac{|P_{t-1}|}{|P_{t-1}|} = \frac{|I_{t-1}|}{|P_{t-1}|} = \frac{|I_{t-1}|}{|I_{t-1}|} = \frac{|I_{t-1}|}{|I_$$

$$ce_{t} = f\left(\frac{k_{t-1}}{1+n}\right) + \tau_{t+1}\left(\frac{1-\delta}{1+n}\right)k_{t-1} + \frac{(1+i_{t-1})b_{t-1} + m_{t-1}}{(1+n_{t})(1+n)}$$

$$= c_{t+k_{t}+m_{t+1}}b_{t}$$