

Motivating Questions

Ch 11: What is the relationship between interest rates and short run output?

The Fed can directly change _____.

The Fed is also interested in keeping _____ around 2% and unemployment near the _____ rate, but it can't change either of those things directly.

From Okun's Law and the Phillips Curve, we know unemployment and inflation depend on: output _____.

The IS curve tells us how _____ influence _____.

IS Curve: "Investment Equals Savings" or "Investment-Savings" curve. Why?

$$Y = C + I + G + X - M$$

$$I = Y - C - G - X + M + (Taxes - Taxes)$$

$$I = \underbrace{(Y - C - Taxes)}_{\text{Private Savings}} + \underbrace{(Taxes - G)}_{\text{Gov Savings}} + \underbrace{(M - X)}_{\text{Foreign Savings}}$$

IS curve comes from GDP:

$$Y_t = C_t + I_t + G_t + X_t - M_t$$

231018 –IS Curve Components

Assume G, X, M are a constant percent of potential:		
$G_t = \bar{a}_G \bar{Y}_t$	$X_t = \bar{a}_X \bar{Y}_t$	$M_t = \bar{a}_M \bar{Y}_t$
\bar{Y}_t :	\bar{a}_G :	
Investment depends on Interest rates:		
$\frac{I_t}{\bar{Y}_t} = \bar{a}_I - \bar{b}(R_t - \bar{r})$		
\bar{b} :	R_t :	\bar{r} :
Comes from:	Comes from:	Comes from:
Consumption grows in good times and shrinks in bad times:		
$\frac{C_t}{\bar{Y}_t} = \bar{a}_C + \bar{x} \tilde{Y}_t$		
\bar{x} :	\tilde{Y}_t :	