Lecture 3: Basic Aggregate Demand Model

- Goal: Determine equilibrium output
- Short-run
- A bit more complex than standard micro demand and supply
 - Feedback
- Shortcuts (isolate one effect)

First Model: The Goods Market



Demand Determined Output

- Aggregate demand (Z): - Z = C + I + G + (X-Q)
- Aggregate supply:
 - fixed P
 - as much as needed to satisfy demand
- Model:
 - behavioral equations
 - equilibrium conditions

Behavioral Equations

- X-Q = 0 (for now)
- G and I: constant
- C = c0 + c1*YD; c0>0; 0 < c1 < 1
- YD = Y T, T constant

Z = (c0 - c1*T + I + G) + c1*Y





Comparative Statics

Fiscal contraction; consumption boom (stock market)



 $Y^* = (1/(1-c1)) * (c0-c1*T+I+G)$

Consumer Confidence

