ECON 2: Principles of Macroeconomics Lecture 10: Short-Run Macroeconomics



Additional Types of Spending

Spending by businesses Planned Investment Spending (I^P) Two Major Categories:

1.

2.

What is "unplanned investment"?



Determinants of Planned Investment Spending (I^P):

- 1.
- 2.
- 3.

Assumption: Output today (Y) doesn't directly affect IP

As Y changes, I^P is constant!



Spending by the Government (G)

What is included?

- -Military
- -Fire and Police
- -Public Education
- -Parks and Rec
- -Highway infrastructure

Industries that produce necessary goods/service, but have trouble making a profit

Does not include Transfer Payments such as:

- -Social Security/Welfare
- -Financial Aid
- -Subsidies

Assumption: Output today (Y) doesn't directly affect G As Y changes, G is constant!



Additional Types of Spending

Spending by the Foreigners Net Exports (NX) = Exports (X) – Imports (M)

Assumption: Output (Y) in the short-run does not directly affect Net Exports (NX)





Aggregate Expenditures

Total Spending in the Economy = Aggregate Expenditures = AE

AE = Consumption + Planned Investment + Gov't Expenditures + Net Exports

 $AE = C + I^{P} + G + NX$ (Note: $I^{P} = I$ when change in inventories = 0)

Show how spending (AE) changes when Y changes and find where Y = AEAE = AC + mpc (Y – T) + I^P + G + NX



Building the Aggregate Expenditure Curve

Start with Consumption



Building the Aggregate Expenditure Curve



Building the Aggregate Expenditure Curve



Where is equilibrium?



- Scenario 1: Y = 12000, but AE = 11000
 - Unsold production?
- Scenario 2: Y = 8000, but AE = 9000
 - Meeting consumer demands without production?
- Scenario 3: ?



Graphing Equilibrium



Finding Equilibrium

- Economy:
- I^P = 10; G = 10; NX = 5

Real GDP (Y)	Consumption (C)	Planned Investment (I ^P)	Government Expenditures (G)	Net Exports (NX)	Aggregate Expenditures (AE)	Change in Inventory
200	200	10				
300	275					
400	350			5		
500	425					
600	500		10			

Graphing Equilibrium



Changes in Equilibrium

Start at Y* = 10,000 (full-employment output)

Housing Market Equilibrium

Las Vegas Housing Prices Over Time



Source: S&P Dow Jones Indices



Consumer Confidence Decreased



Housing: Decrease in AC and I





Great Recession





Changes in Equilibrium

 Start at Y* = 10,000 (full-employment output) Housing Crash! (assume mpc = 0.8)

• Option 1:

\$500 in machines = increase I^P by \$500 Incomes increase by \$500 es (I^P)

Option 1: Rich person buys \$500 worth of machines (I^P)



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Option 1: Rich person buys \$500 worth of machines (I^P)

