OUTLINE — October 16, 2017

- What determines unemployment?
 - Old, rejected, model: "one labor market"
 - Keynesian Model of Macroeconomics
- Measuring Output: Gross Domestic Product (GDP)
 - Output = Income = Expenditure
 - Expenditure = C + I + G + (EX IM)

PS 3 due 10/23 - 10/24in section

Midterm 2 in two weeks: Wed., Nov 1, 7-8:30 pm

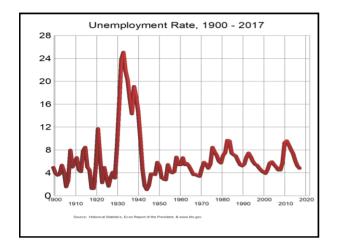


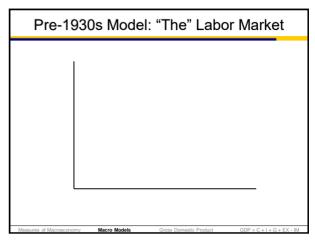


Recall: Economic Models

- Models are how economists answer questions
- Each model is characterized by
 - 1. Question
 - 2. Simplifications or Abstractions
 - 3. Assumptions about Behavior
- Change assumption → Change model
- To evaluate policy, compare policy's results with the counterfactual (what result would have been in absence of policy), not with the past
- Formulate the counterfactual by using models

paguires of Macroproporus Macro Models Gross Domestic Product GDP - C + I + G + EY - IM





What Determines Unemployment?

- John Maynard Keynes
- Unemployment is determined by employment which is determined by output produced which is determined by aggregate demand for output
- Key idea:

Someone will hire you if they can sell what you produce

Asserting of Macroposonomy Macro Modele Gree Domestic Product GDR - C+L+C+EV-IM

What about inflation?

- Phillips Curve (return to this: November 20)
- Prices & inflation depend upon
 Costs of production which depend upon
 Supply & Demand for inputs which depend upon
 Expectations of prices and
 Productivity of inputs and
 Amount of output produced

Gross Domestic Product (GDP)

- Employment depends upon output produced
 - How measure "output produced"?
 - With "gross domestic product" or GDP
- GDP = Total annual economic output in a nation
 - Output
 - Economic
 - In a nation
 - Annual
 - Total

Measures of Macroeconomy Macro Models Gross Domestic Product GDP = C + I + G + EX - IM

How compute GDP?

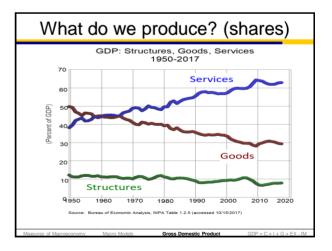
- GDP =
- Nominal GDP: use *current* prices
- Real GDP: use "base year" prices

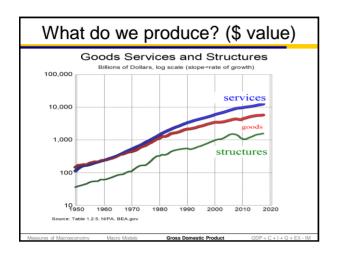
Pasures of Macroeconomy Macro Models Gross Domestic Product GDP = C + I + G + EX - IM

How big is GDP?

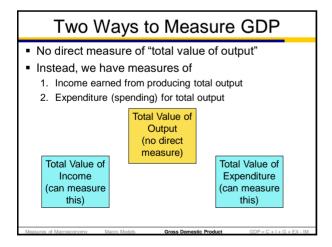
- Nominal GDP in 2017:II was \$19.25 trillion
 - 19,250,000 million dollars
 - **\$19,250,000,000,000**
 - Per person (per capita), about \$59,050
- Data source: Bureau of Economic Analysis (www.bea.gov)

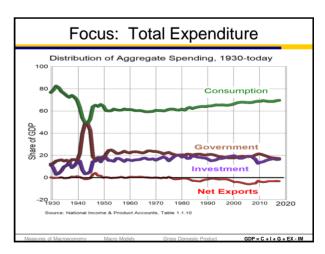
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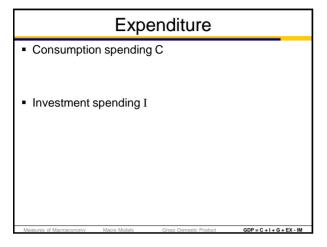


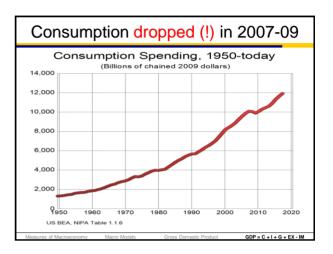


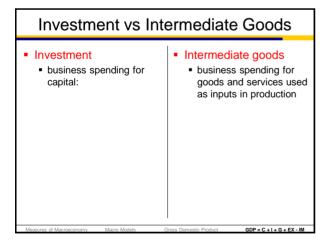
Omissions from GDP Activities that generate <u>output</u> but are not counted in GDP Messures of Macroeconomy Macro Models Gross Domestic Product GDP = C + 1 + G + EX - IM

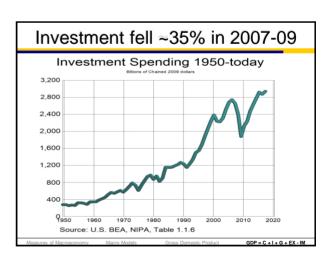


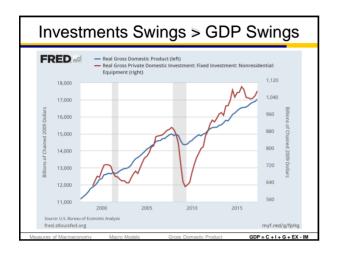




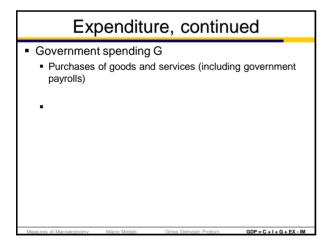


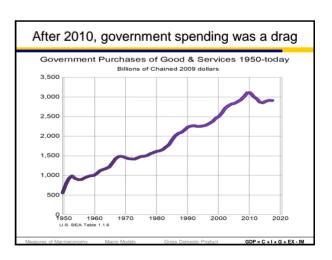


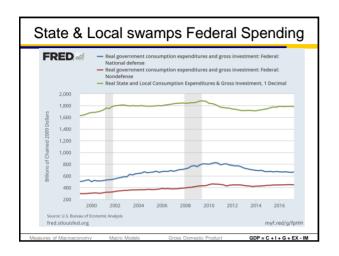


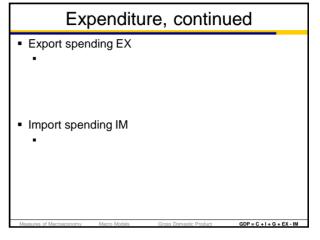


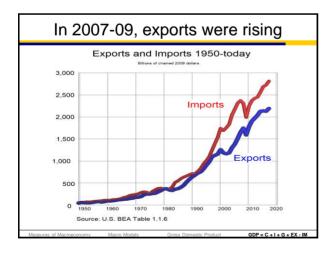


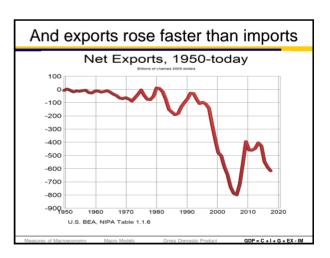


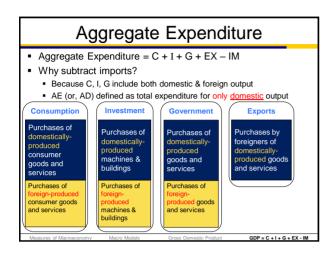












Key concepts

- When figuring out IF some activity is counted in GDP and, if so, where, keep these three things in mind:
- 1. Is there a connection to employment?
- 2. Don't double count.
- 3. Who is buying what and where was it produced?

Measures of Macroeconomy Macro Models Gross Domestic Product GDP = C + I + G + EX - IN