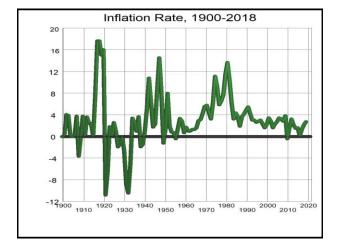
OUTLINE — October 15, 2018

- Overview of Macro, continued
 - Inflation
- 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 2 due October 15/16 in section

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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

Normal Manager Company of the Compan

Why that model doesn't apply Which assumptions are not valid? Measures of Macroeconomy Macro Models Gross Domestic Product GDP=C+1+G+EX-IM

The General Theory of Employment, interest, and woney. The General Theory of Macro Models T

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

What about inflation?

- Phillips Curve (return to this: November 19)
- 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

With "gross domestic product" or GDP
 GDP = Total annual economic output in a nation

How measure "output produced"?

• Employment depends upon output produced

Output

Economic

In a nation

Annual

Total

GDP - C + I + G + EV - IM

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

Gross Domestic Product (GDP)

How compute GDP?

GDP =

Nominal GDP: use current prices

■ Real GDP: use "base year" prices

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

How big is GDP?

■ Nominal GDP in 2018:II was \$20.4 trillion

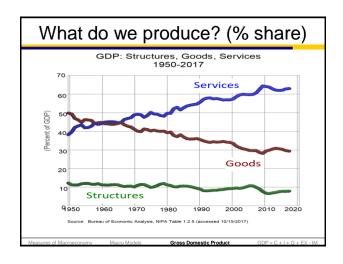
■ 20,400,000 million dollars

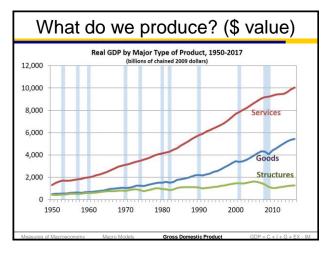
\$20,400,000,000,000

Per person (per capita), about \$62,500

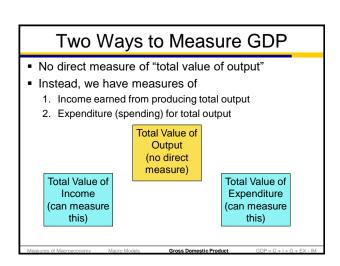
■ Data source: Bureau of Economic Analysis (<u>www.bea.gov</u>)

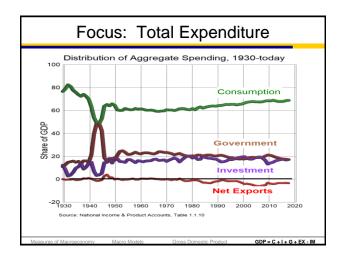
easures of Macroeconomy Macro Models Gross Domestic Product GDP = C + I + G + EX - IN

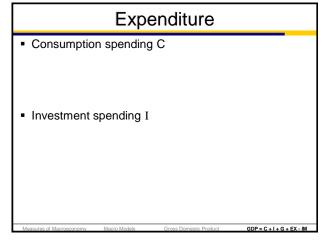


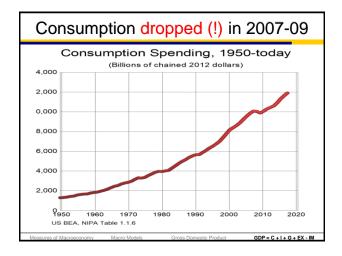


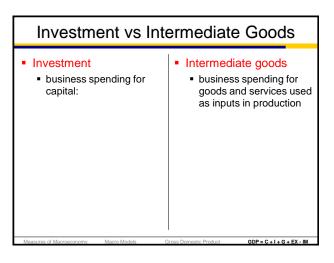
Omissions from GDP • Activities that generate output but are not counted in GDP

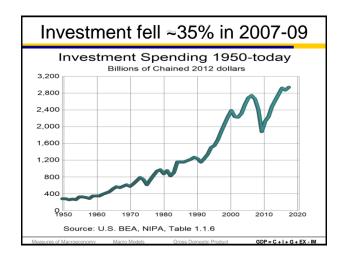


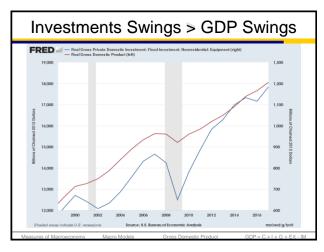


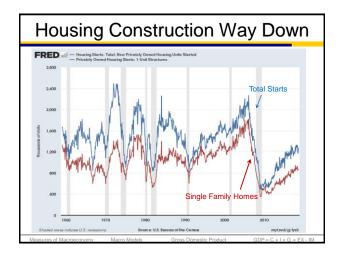


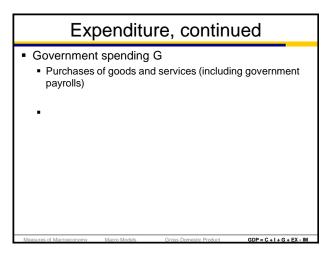


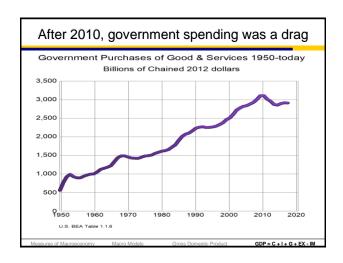


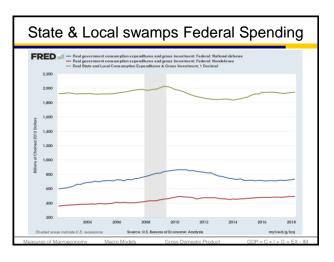


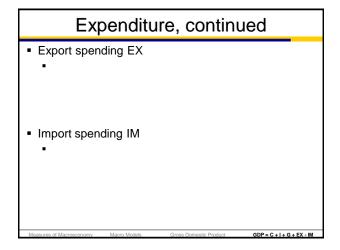


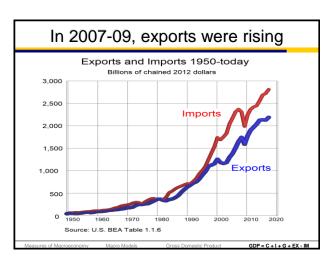


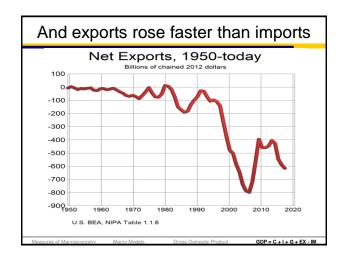


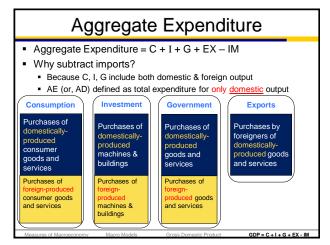












Key concepts

- 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?

Norman (Management Anna Mark)