Ch. 1: Introduction to Macroeconomics

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Chapter Outline

- What Macroeconomics is about
- What Macroeconomists do
- Why Macroeconomists disagree

What Macroeconomics is About

- The study of structure and performance of national economies and government policies that affect economic performance
- Issues:
 - Long-run economic growth
 - growth (over decades) (Short-run economic outrones) Business cycles
 - Unemployment
 - The international economy (→ Macroeconomics B)
 - Macroeconomic policy

Aggregation

- Summing individual economic variables to obtain economywide totals
- Distinguishes microeconomics (disaggregated) from macroeconomics (aggregated)

Long-run Economic Growth

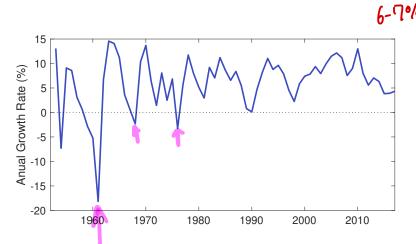
- Why do some countries grow faster than others?
- What is the difference between rich nations and developing nations?

Income vs. Life Expectancy

What determines a nation's long-run economic growth?

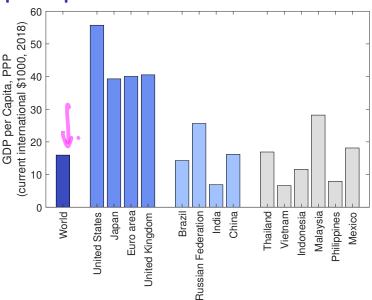
Over time. the rectary. Income

China's GDP Growth Rate

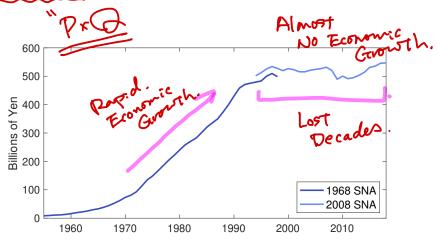


Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/RGDPNACNA666NRUG.

GDP per Capita



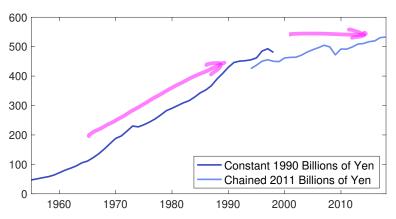
Nominal GDP in Japan



Source: Cabinet Office, Economic and Social Research Institute. 1968 SNA; 2008 SNA.

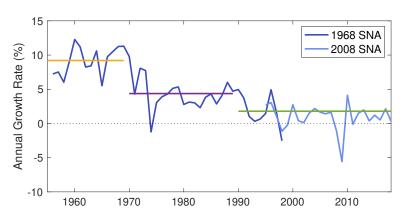
Real GDP in Japan





Source: Cabinet Office, Economic and Social Research Institute. 1968 SNA; 2008 SNA.

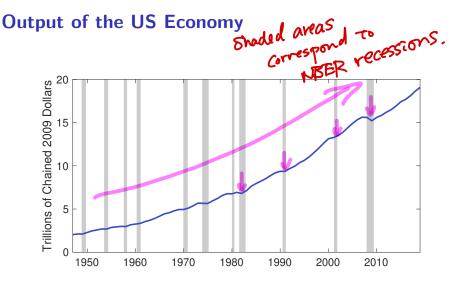
Japan's Real GDP Growth



Ave. Growth Rate:

before
$$70s = 9.2\%$$
 $70s - 80s = 4.4\%$ after $90s = 1.8\%$

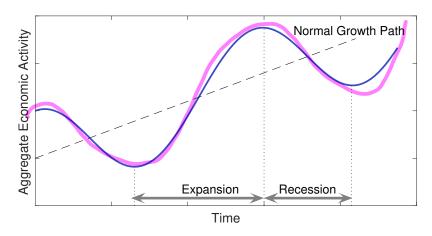
Source: Cabinet Office, Economic and Social Research Institute. 1968 SNA; 2008 SNA.



Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/GDPC1.

Business Cycles

- Short-run contractions and expansions in economic activity
- Downward phase is called a recession (peak to trough)

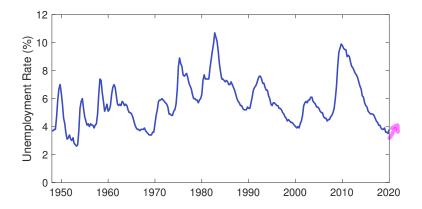


output Jevarion slope Expansion. Recession Bothm.

Unemployment

of unemployed

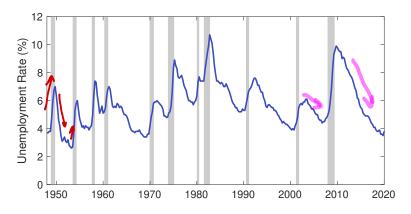
 The number of people who are available for work and actively seeking work, but cannot find jobs



Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/UNRATE.

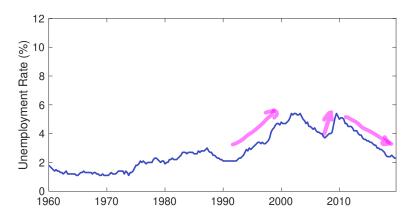
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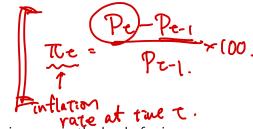
Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/UNRATE.

Unemployment Rate in Japan



Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/LRUNTTTTJPM156S.

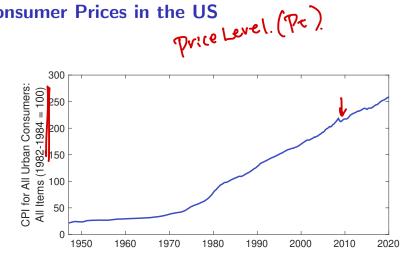
Inflation



- Inflation rate: the percentage increase in the level of prices
- Deflation: when prices of most goods and services decline
- Hyperinflation: an extremely high rate of inflation

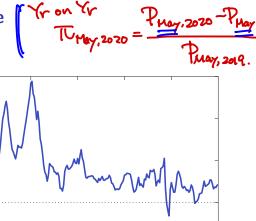


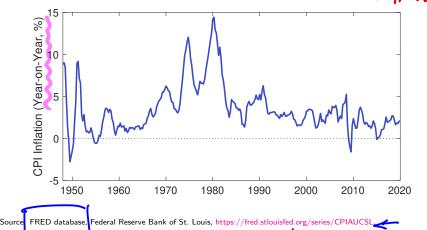
Consumer Prices in the US



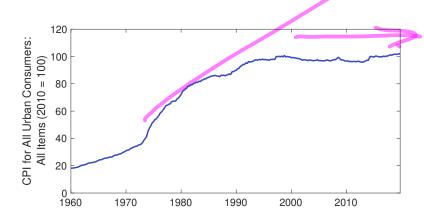
Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/CPIAUCSL.

US CPI Inflation Rate



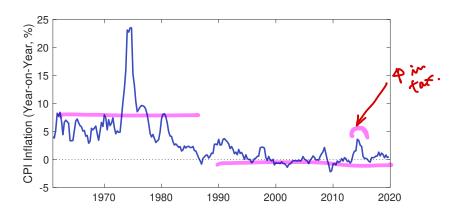


CPI in Japan



Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/JPNCPIALLMINMEI.

CPI Inflation in Japan

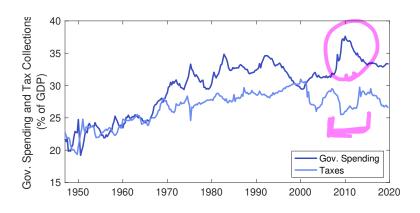


Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/JPNCPIALLMINMEI.

Macroeconomic Policy

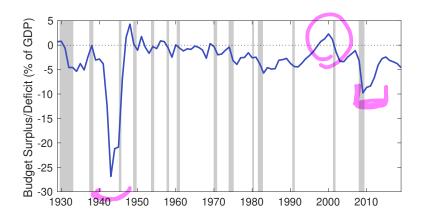
- Fiscal policy: government spending and taxation
- Monetary policy: growth of money supply; determined by a central bank (Bank of Japan, European Central Bank, Fed)

US Federal Government Spending and Tax



Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/GEXPND; https://fred.stlouisfed.org/series/GDP.

US Budget Surplus/Deficit



Source: FRED database, Federal Reserve Bank of St. Louis, https://fred.stlouisfed.org/series/FYFSGDA188S.

What Macroeconomists Do

- Macroeconomic forecasting
- Macroeconomic analysis
- Macroeconomic research
- Data development

Why Macroeconomists Disagree

- Classicals vs. Keynesians
- The classical approach
 - ▶ The economy works well on its own
 - ► The "invisible hand": the idea that if there are free markets and individuals conduct their economic affairs in their own best intersts, the overall economy will work well
 - Wages and prices adjust rapidly to get to equilibrium
 - Equilibrium: situation in which demand and supply equal
 - Changes in wages and prices are signals that coordinate people's actions
 - ► Government should have only a limited role in the economy

Why Macroeconomists Disagree (Cont'd)

- 5/20.
 - The Keynesian approach
 - ► The Great Depression: Classical theory failed because high unemployment was persistent
 - Keynes: Persistent unemployment occurs because wages and prices adjust slowly, so markets remain out of equilibrium for long periods
 - Government should intervene to restore full employment
 - Debate
 - Keynesians dominated from WWII to 1970
 - Stagflation led to a classical comeback in the 1970s
 - Last 30 years: excellent research with both approaches

Labor market Unemployment. LS > LD. Labor Demand.

Our Approach

- Three markets: goods, assets, and labor
- Microfoundations individual behavior
- Long-run: wages and prices are perfectly flexible
- Short-run:
 - Classical flexible wages and prices

 Keynesian wages and prices are slow to adjust (sticky)