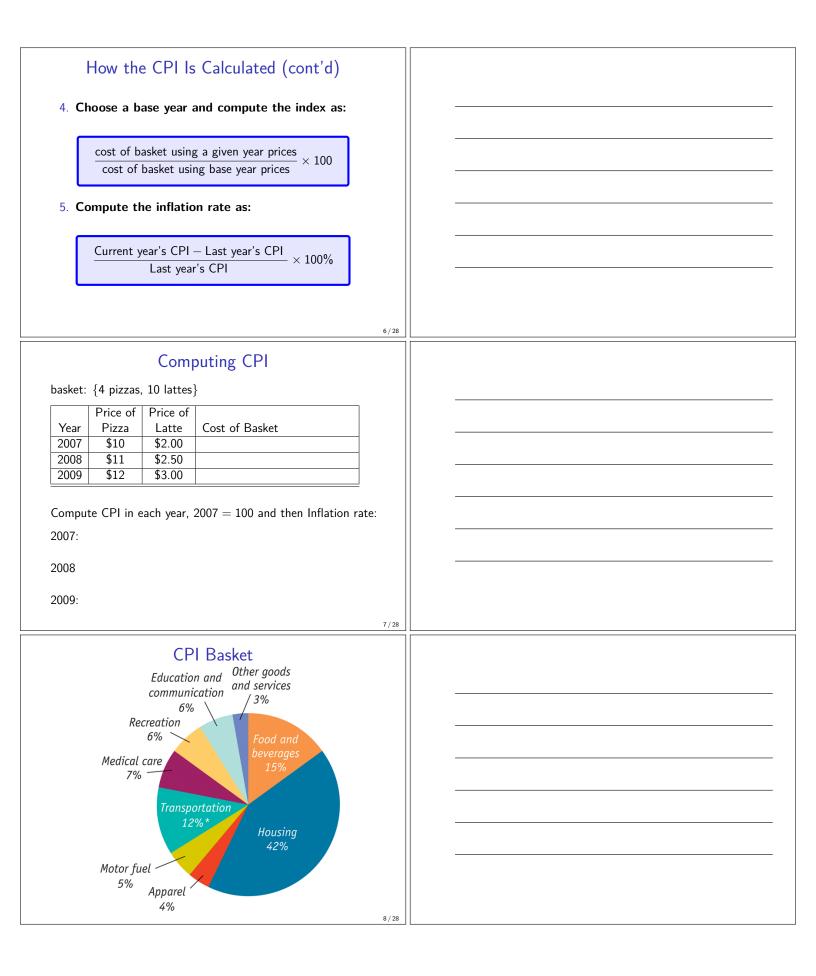
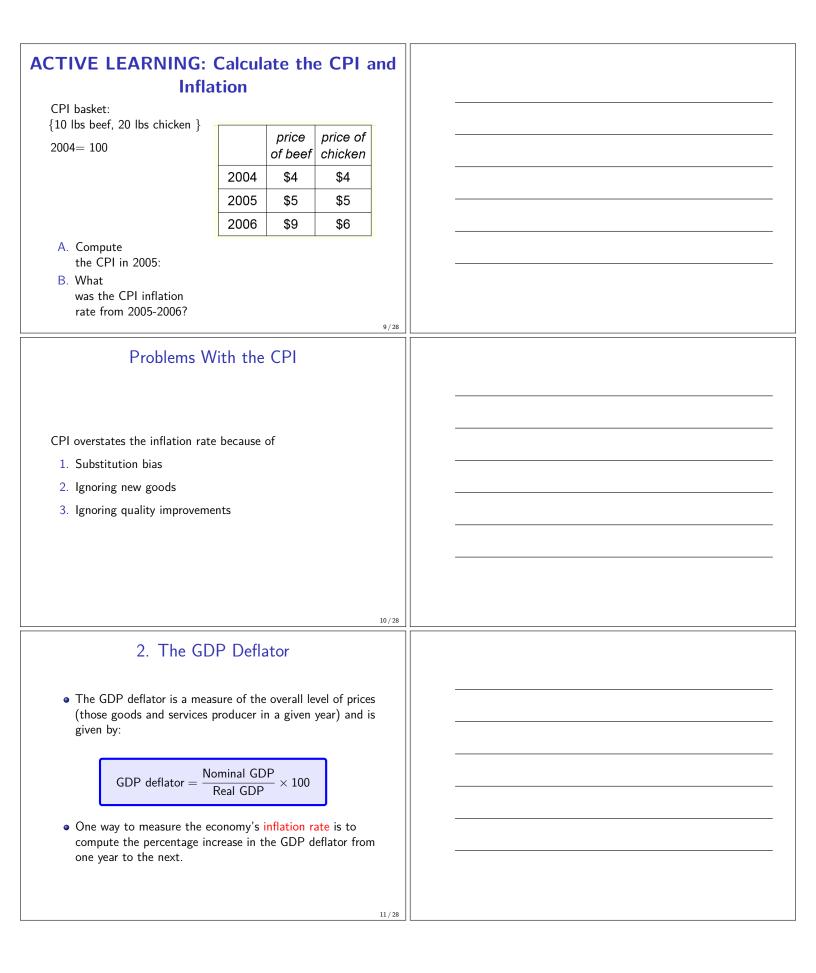
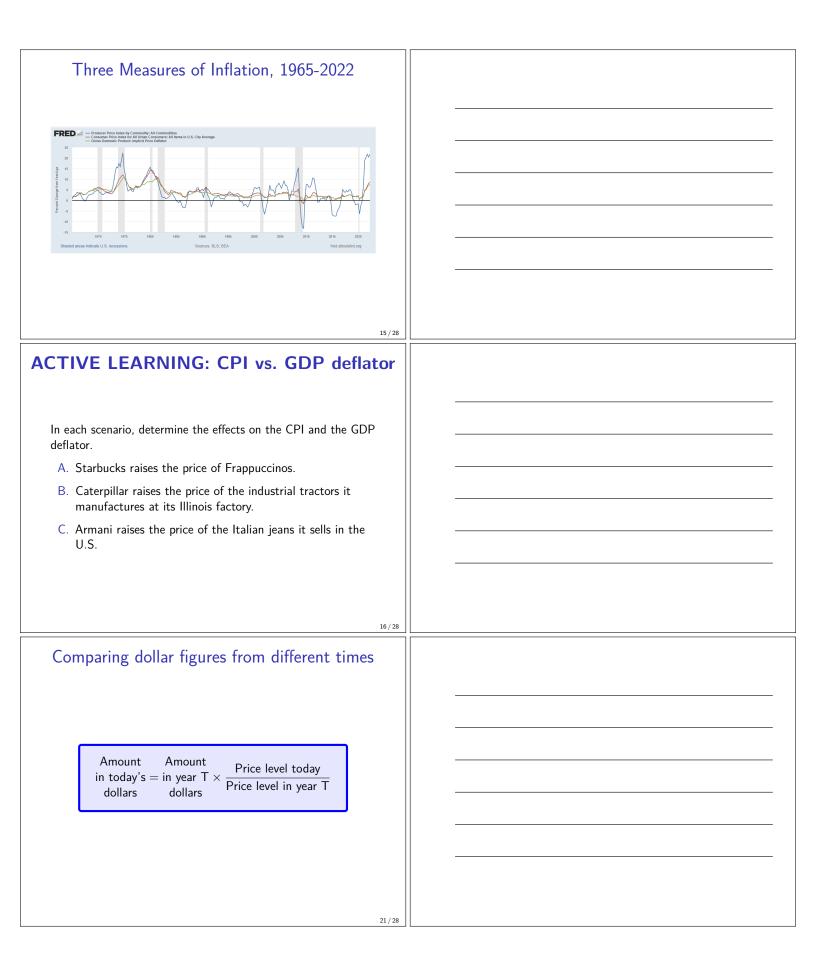
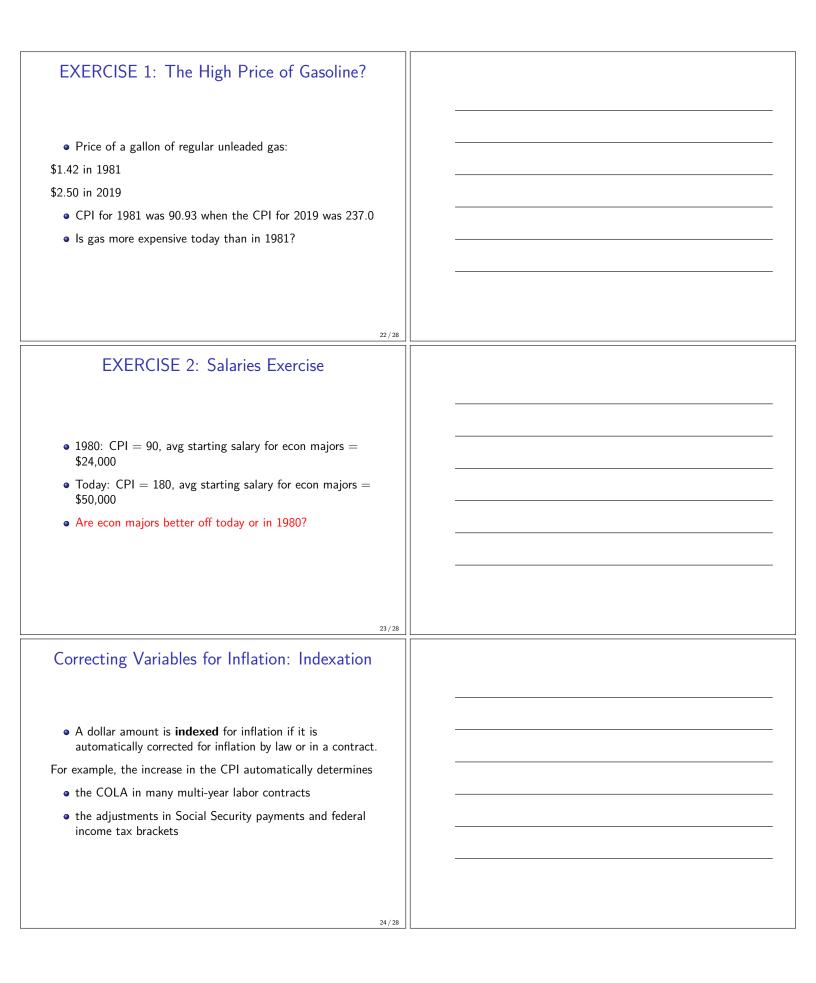
Measuring The Cost of Living (The Price	
Level)	
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Lesson Objectives	
In this lesson, your will be able to answer the following questions:	
• What is the Consumer Price Index (CPI)? How is it calculated? What's it used for?	
<ul> <li>What are the problems with the CPI?</li> <li>How does the CPI differ from the GDP deflator?</li> <li>How can we use the CPI to compare dollar amounts from</li> </ul>	
<ul><li>different years? Why would we want to do this, anyway?</li><li>How can we correct interest rates for inflation?</li></ul>	
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What is the CPI and How It Is Calculated	
Consumer price index (CPI) is a measure of the overall prices	
Steps in calculating CPI are: 1. Fix the "basket:"	
2. Find the prices.	
3. Compute the basket's cost in the given year.	
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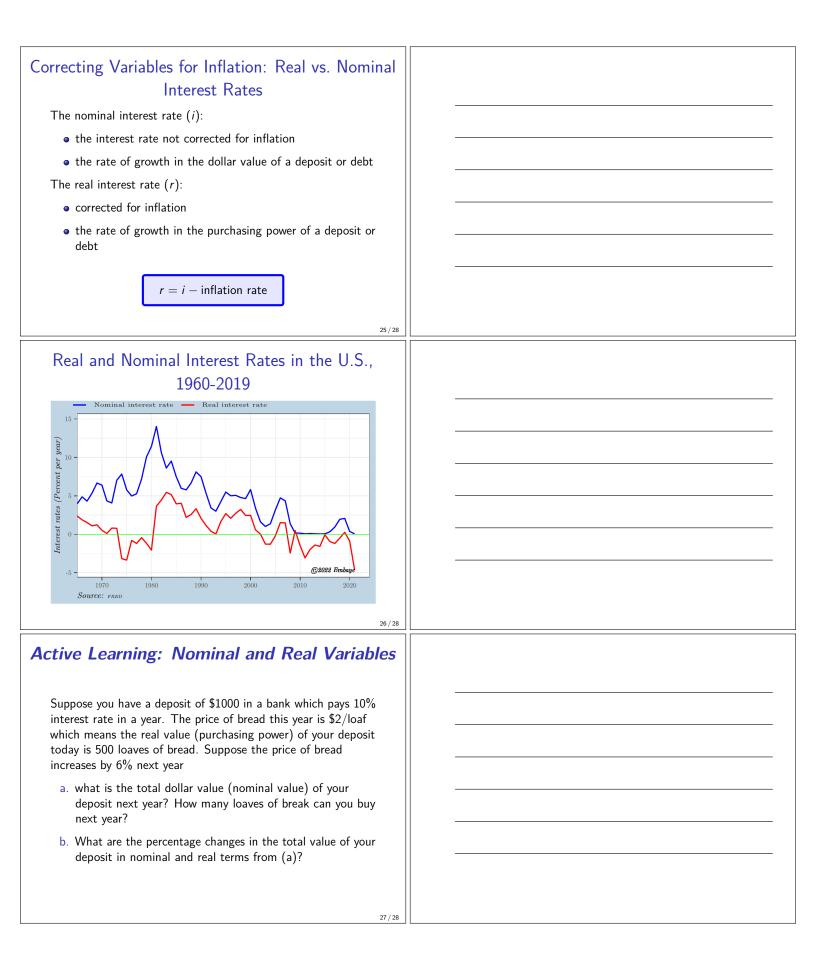




Example: Calculating GDP deflator	
Nominal Real GDP	
year GDP GDP Deflator Inflation	
2005 \$6000 \$6000	
2006 \$8250 \$7200	
2007 \$10,800 \$8400	· · · · · · · · · · · · · · · · · · ·
• Compute the GDP deflator in each year:	
2005:	
2006:	
2007:	
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Contrasting the CPI and GDP deflator	
Imported consumer goods:	
included in CPI	
<pre>excluded from GDP deflator Capital goods:</pre>	
<ul> <li>excluded from CPI</li> </ul>	
included in GDP deflator	
The basket: (if produced domestically)	· · · · · · · · · · · · · · · · · · ·
CPI uses fixed basket	
GDP deflator uses basket of	
currently produced goods & services This matters if different prices are	
changing by different amounts.	
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3. The Producer Price Index	
• PPI measures the cost of a typical basket of goods and	
services that are used by producers (such as steel,	
electricity, coal, etc)	
<ul> <li>Sometimes called Wholesale Price Index</li> </ul>	
• Regarded as an early warning signal of changes in the	
inflation rate.	· · · · · · · · · · · · · · · · · · ·
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## SUMMARY

- The Consumer Price Index is a measure of the cost of living. The CPI tracks the cost of the typical consumer's "basket" of goods & services.
- The CPI is used to make Cost of Living Adjustments, and to correct economic variables for the effects of inflation.

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• The real interest rate is corrected for inflation, and is computed by subtracting the inflation rate from the nominal interest rate.