

What is the CPI? (Use the Internet to find an answer)

Go Get the CPI from E-Stat

1. Visit <http://www.statcan.gc.ca/estat/licence-eng.htm> and accept and enter the site.

2. Click on Search CANSIM in E-STAT

3. type CPI in the search box and click search.

CANSIM in E-STAT
Updated: June 26, 2010

Your online resource for socioeconomic statistics.

CANSIM is a multidimensional database containing more than 42 million time series regrouped in more than 3,000 tables.

Find the data you're looking for by typing in your search term, CANSIM table or series numbers, or by browsing using the links on the right.

[Advanced search](#)

4. Find Consumer Price Index (**CPI**), 2005 basket, annual (2002=100), 1914 to 2009

[Description](#) [326-0021](#)

Click

5. Write the title of this table here. What does 2002 = 100 mean?

6. Highlight the following fields and click the button below.

[See Help](#)

Geography (30 items)

 Canada
 Newfoundland and Labrador
 St. John's, Newfoundland and Labrador [10001]
 Prince Edward Island
 Charlottetown and Summerside, Prince Edward Island [11105, 11110]

Commodities and commodity groups (280 items)

 All-items
 Food
 Food purchased from stores
 Meat
 Fresh or frozen meat (excluding poultry)

Reference period:
Note: By default, only data for the most recent year available will be retrieved (this reduces the amount of data and download time). You may use the lists below to select a different time frame.
 From: 1960 To: 2009 (Annual data)

7. Highlight the line below so we can import this data in fathom.

You must select an [output format](#) from the list below in order to continue:

SCREEN OUTPUT formats

- HTML table, time as columns
- HTML table, time as rows
- HTML table, geography as rows
- HTML table, layout optimized for viewing (max. 12 columns)
- Vertical bar chart
- Horizontal bar chart
- Vertical stacked bar chart
- Horizontal stacked bar chart
- Pie chart (last observation)
- Map (last observation)

DOWNLOADABLE FILE formats

- CSV (comma-separated values) file: for database loading**
- CSV file: time as columns
- CSV file: time as rows
- PRN (tab-separated values) file: for database loading
- DDN file: time as columns

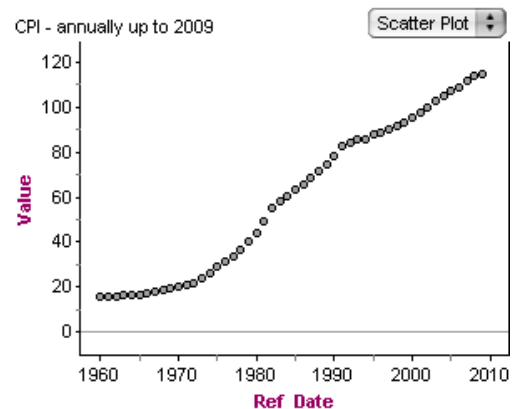
Click

5.2 - Indices

8. Click and drag the icon onto the white space in Fathom (this imports the data in fathom).



9. Create the following graph in Fathom.



10. What is the base value?

11. By approximately how many points did the index rise in the period reported?

$$114.4 - 15.5 = 98.9$$

12. If a coffee mug costs \$12.50 in 2002, how much did it cost in 1970?

$$20.3\% \text{ of } 12.50$$

$$12.50 \times 0.203 = \$2.54$$

13. If a sweater costs \$50 in 2009, how much would it cost in 2002?

$$\text{Future/Past prices} = \text{Rate} \times (\text{Base Price})$$

$$50 = 1.144 \times x$$

$$\frac{50}{1.144} = x$$

$$x = 43.71$$

14. Calculate the average growth rate in the 1990s.

$$\text{Average rate of change} = \frac{\text{Rise}}{\text{Run}} = \frac{95.4 - 78.4}{10} = 1.7\% \text{ points per year}$$