

User Manual

Preprocessing the data from the CPI data set

- Move or copy the CPI_Data.csv and Consensus_Data.csv from the Data files folder to the Perl Scripts folder.
- To process the CPI data file, run the ProcessCPI.pl script on the CPI file (CPI_Data.csv) using the following command:

Command: perl ProcessCPI.pl > CPIOutput.txt

Note: make sure the directory where this command is being run from is the Perl Scripts folder.

- This will collect only the necessary data from the CPI data file and print them out to the CPIOutput.txt file.

Outputs: CPIOutput.txt file

Running the Questions and obtaining the graph

- To run any one of the questions write the following command:

Command: perl Question<Number>.pl

- The user will then be prompted to input the number for the associated province they want to graph and will be asked to validate their input afterwards to ensure that they did not input the wrong province.
- The script will then process the data from the CPIOutput.txt file to obtain only the required data it needs and will output them into a .txt file which will be named in the format Q<Question Number><Province Name>.txt (e.g Q1Ontario.txt).
- The script will then use the .txt file to graph the data and save it in a pdf format with the same naming format as the .txt file (e.g Q1Ontario.pdf).
- Open the .pdf file in order to see the graph of the result.

Outputs: 1 .txt file and 1 .pdf file each time the question scripts are executed.

Other Information

- All the .txt files and .pdf files obtained from each question script is also included in the folder in their appropriate folders (e.g Question 1 Results).
- A folder containing some of the test files used have also been included.
- An already processed CPIOutput.txt file is already included in the Perl Scripts folder.