

# EC 103–003

## Lab Practice 6

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**Prof. Santetti**

Spring 2023

**INSTRUCTIONS:** Lab Practices have the purpose of reviewing the previous applied video lecture(s) and introducing new content to improve students' empirical macroeconomic analysis using R and RStudio.

In this practice, you will fully *customize* a set of plots, so that not only does your audience get informed, but also appreciate the care that you put on designing the visualization of your data.

There is 1 problem, worth 10 points.

**Assignment due March 6 (M), before class.**

**Points Possible: 10**

- You have 1 week to complete this assignment. See our [course syllabus](#) for late submissions policies.
- Be honest. Don't cheat.
- As a Skidmore student, always recall your votes of academic integrity, and the [Honor Code](#) you have abided by:

*"I hereby accept membership in the Skidmore College community and, with full realization of the responsibilities inherent in membership, do agree to adhere to honesty and integrity in all relationships, to be considerate of the rights of others, and to abide by the college regulations."*

**Have fun!**

# Problem 1

Putting to practice all of your `ggplotting` knowledge learned so far, try your best to *replicate* the set of plots below. The data set is `inflation_lab6.csv` (available on [theSpring](#)), bringing the Consumer Price Index (CPI) for 4 countries measured by the [International Monetary Fund](#) (IMF).

If you do not get the custom fonts or colors exactly right, no worries. What matters is that you practice everything learned so far.

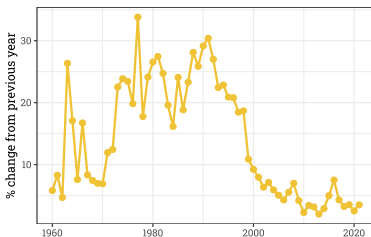
As a few hints, I have used the `{patchwork}` package to organize the plots layout, with the `theme_bw()`, from the `{ggthemes}` package, as the chosen theme. The custom font used was "Roboto Slab" from [Google Fonts](#), and the colors' hex codes chosen for each plot were:

- United States: `#cd271b`
- Colombia: `#f0c235`
- Cameroon: `#429a1b`
- New Zealand: `#594e4e`

Consumer Price Index, United States  
1960 - 2021



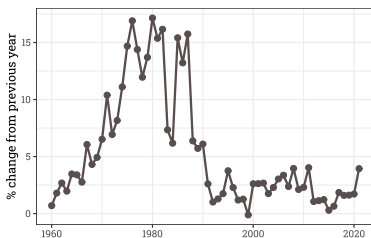
Consumer Price Index, Colombia  
1960 - 2021



Consumer Price Index, Cameroon  
1969 - 2021



Consumer Price Index, New Zealand  
1960 - 2021



Source: International Monetary Fund.

Save your code for this problem in an R script and submit it through [theSpring](#).