EC 103–003

Lab Practice 9

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 produce publication-ready tables using the `{gt}` package.

There is 1 problem, worth 10 points.

`Assignment due April 3 (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

Download data for the share of *aggregate investment expenditures* in U.S. GDP (calculated by the BEA) from FRED using `this link`. The data are in `quarterly` frequency. You are asked to replicate the table below using the `gt` package. Notice that these are yearly averages. Do not forget to use the `group_by()` function before calculating the average value for each year. Here, I used the `gt_theme_538()` option from the `gtExtras` package to customize my table's theme. Do not forget to put your name in the source space, as highlighted there.

Save your code for this problem in an R script and submit it through `theSpring`.

Share of Aggregate Investment in U.S. GDP
Yearly averages, 2015-2022

YEAR	SHARE (%)
2015	17.8
2016	17.1
2017	17.4
2018	17.7
2019	17.8
2020	17.3
2021	17.6
2022	18.2

Source: U.S. Bureau of Economic Analysis. Author: **Your name here!**