Overview

The data and code in this replication package reproduce all tables and figures in our manuscript **"The State of Macroeconomic research: Present and Past"** using Stata and MS Excel. There are four Stata .do files that each load one of three Stata data files. The replicator can run master_script.do to replicate all tables and figures. Table data are written to the MS Excel file table_data.xlsx and the tables, as they appear in the manuscript are found in table_data.xlsx. The replicator should expect the code to run in less than 10 minutes.

Data Availability

We hand collected the main data set as described in the article. The full data set that we produced is included in this archive as a Stata data set named `main_data.dta.` In addition, we collected data from two other sources. For JEL codes, we gathered data from the EconLit database and provide them in `JEL_codes_Econlit.dta.` The citation data were collected by our research assistant who located the information on scholar.google.com during the month of August 2020 and hand collected the citation count data by year and journal for each article referenced in paper. These data are found in `citation_panel_data.dta.`

Dataset list

Data file	Source	Notes	Provided
/main_data.dta	Authors	Used for replicating figures 1 – 4 and tables 1 - 10	Yes
/citation_panel_data.dta	Authors	Used for replicating Figures 5 & 6	Yes
/JEL_codes_Econlit.dta	Authors, Econlit	Used for replicating tables 11 & 12	Yes

Software Requirements
- Stata (code was last run with version 17)

    – Packages: grc1leg

- MS excel to view tables

Memory and Runtime Requirements

The approximate time needed to reproduce the analyses on a standard 2021 desktop machine is less than 10 minutes. The code was last run on a **4-core Intel-based desktop running Windows 10**.

Description of programs/code
- `master_script.do` runs each of the following Stata .do files.

- `setup.do` installs a required Stata package

- `figures.do` will open `main_data.dta`, generate figures 1 through 4 and save them as .pdf files in the current directory.

- `citation_figures.do` will open `citations_panel_data.dta,` generate figures 5 and 6, and save them as .pdf files.

- The Stata file `tables.do` will open the Stata data file `main_data.dta` and generate the data for tables 1 – 10 in the main text. Table arrangement and formatting is handled in MS Excel. Output from the do file is automatically written to columns P – AF in `Table_data.xls`.

- The Stata file and `tables_11_12_JEL.do` will open the Stata data file `JEL_codes_Econlit.dta` and write the data for populating tables 11 & 12 to columns P – AF in `Table_data.xls`.

- `Table_data.xlsx` arranges and formats tables in columns A through H by referencing output written by Stata to columns P - AF. Instructions highlighted in yellow indicate which lines of code generate the data. This file will be populated with data by running `master.do` (which calls `tables.do` and `tables_11_12_JEL.do`)

Instructions to Replicators

- Download all 10 data and code files to a single directory

- Open and run the master_script.do file

- Open `Table_data.xlsx` to view the formatted tables

  - Stata output is automatically written to columns P – AF

  - Replicated tables appear in columns A – I.

  - Cells highlighted in yellow indicate which line of code generates the data

  - Cosmetic changes: cells with #VALUE! should be zero (Explanation: Stata writes an empty value to the cell instead of the value zero. To correct, simply place your cursor in the referenced cell that is empty and hit delete)

List of tables, figures, and programs

Item	Code file	Data file	Output
Tables 1-10	\tables.do	\main_data.dta	writes output to Table_data.xlsx
Tables 11 & 12	\tables_11_12_JEL.do	\JEL_codes_Econlit.dta	writes output to Table_data.xlsx
Figures 1 – 4	\figures.do	\main_data.dta	.pdf files
Figure 5 & 6	\citations.do	\citation_panel_data.dta	.pdf files

Data Citations

Glandon, Philip J., Ken Kuttner, Sandeep Mazumder, and Caleb Stroup. 2022. "Replication data for: Macroeconomic Research, Present and Past". *American Economic Association*, Inter-university Consortium for Political and Social Research. Opencicpsr project number 171682

EconLit. 1980-2020. *American Economic Association.* Accessed December 2020. https://www.aeaweb.org/econlit/econlit-for-members

Google Scholar. Accessed: August 2020. *Google, LLC.* https://scholar.google.com