Replication Files for: On Event Studies and Distributed-Lags in Two-Way Fixed Effects Models: Identification, Equivalence, and Generalization

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Version 2: January 30, 2023‡

Abstract

Replication files for the paper "On Event Studies and Distributed-Lags in Two-Way Fixed Effects Models: Identification, Equivalence, and Generalization", *Journal of Applied Econometrics*, 2023.

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‡We published a first version of these replication files on May 28, 2020 in the Harvard Dataverse (https://doi.org/10.7910/DVN/LXMYV6).

1 Introduction

This archive contains the replication files for the paper "On Event Studies and Distributed-Lags in Two-Way Fixed Effects Models: Identification, Equivalence, and Generalization". The included data and code can be used to replicate all results presented in Online Appendix B. We provide replication code for both STATA and R. We thank Jakob Miethe (LMU Munich) for collaborating on programming the R code.

In the Section, we replicate and extend the paper "The Impact of Unemployment Insurance on Job Search: Evidence from Google Search Data", published in the Review of Economics and Statistics Vol. 99(5) in 2017, (BF2017, henceforth). We downloaded the replication files of BF2017 from `https://doi.org/10.7910/DVN/GJB5F1` and only kept the variables that we need for our analysis (see Section "Variables"). The resulting dataset is uploaded in this archive together with the code that replicates all results presented in our study (see Section "File Structure").

Please do not hesitate to contact us for help on getting access to the various sources. We are also happy to share our code for preparing the original source data.

2 File Structure

- `README.pdf`: this document
- `bf2017.dta`: dataset compiled from original BF2017 data
- `eventstudy.do`: Stata do file to replicate the results
- `eventstudy.R`: R script to replicate the results

3 Variables

The dataset is a state-month panel with the following variables:

- **state:** US State numerical code (1-51)
- **state_abb:** US State two-letter code
- **year:** Year
- **month:** Month (1-12)
- **GJSI:** Google job search index, noramlized to 100 = max

- **PBD:** Potential benefit duration in state and month (in weeks)
- **population:** Population
- **insured_employment:** Insured Employed workers (CPS)
- **cont_claims:** Initial unemployment insurance claims (CPS)
- **init_claims:** Continued unemployment insurance claims (CPS)
- **employment:** Employed workers (CPS)
- **labor_force:** Labor Force (CPS)
- **unemployment:** Unemployed workers (CPS)
- **wage:** Average weakly wage (CPS)

CPS indicates that the original data was taken from the Current Population Survey.

4 Replication Steps

1. Download data and code (STATA or R) and save it in one folder, your working directory.
2. Open `eventstudy.do` or `eventstudy.R` and set the path of the working directory.
3. Run `eventstudy.do` or `eventstudy.R`.
4. All graphs will be saved to your working directory.