Replication material for "Measuring Welfare by Matching Households Across Time", by Baqaee, Burstein and Koike-Mori, August 2023

Main codes

- **Run_MainFigures.m**: Generates figures and tables in the paper.
- **Run_Example.m**: Provides an example to run the main programs.
- **Run_Appendix.m**: Generates figures and tables in the online appendix.
- **Main_UKdataconstruction.do**: Generates household and price data.
- These codes have been tested on Stata 18 MP and Matlab 2023.

Description of the Folders

- **data**: This folder includes raw data and other intermediate generated data files and .do files called from **Main_UKdataconstruction.do**.
  - **price**:
    - **CPIdatabaseL.dta**: Raw data from ONS in STATA format.
    - **RPIdatabaseArchive_dis.dta**: Contains pre-1986 price data not included in "CPIdatabaseL.dta".
  - **microdata**: Raw data from "Family Expenditure Survey and Living Costs and Food Survey Derived Variables, 1968-2017."
    - Note: The downloaded folder contains the price data, processed data to create the main figures, but does not contain the household microdata and the data for the appendix. To replicate the full results from the Raw data, one needs to register at UK Data Service (https://ukdataservice.ac.uk/) to gain access to the database. Then set cpiexpenditure, demographicdata, and rpiexpendituredata from the database in the folder. Then, run Main_UKdataconstruction.do, and the results are saved in this folder.
  - **DataforMatlab**: Stores the data loaded from Matlab.
  - **processed**: Contains intermediate files constructed from the raw data.
  - **bootstrap_samples:** Contains bootstrap samples.
  - **structure:** Contains folder structures.
- **subroutines**: Contains Matlab subprograms.
  - Note: The names of the programs in the Matlab subfolder correspond to the figure numbers and are called from the main program.

- **functions**: Contains functions called from main programs.
- **fig**: folder where generated figures are saved.