This folder contains the files necessary for replicating the figures and tables in «Sources of Bias in Inflation Rates and Implications for Inflation Dynamics" by Rahel Braun and Sarah M. Lein.

The time series for plotting the figures are located in the folder “data”. The code is collected in the folder “codes”. The raw data is owned by AC Nielsen Switzerland. We can therefore not share it. The raw data is prepared in Stata, the calculations are done in Matlab, and the figures are generated in Stata again. Table 4 as well as the Young Index (for Figure 5) are calculated in a separate do file.   
In the following, there is a description of every code file:

* **prepareData.do**   
  uses rawdata.dta  
  This file calculates prices and expenditure shares per EAN and saves them in a form such that Matlab can calculate inflation rates.   
  saves it as *preparedData.csv*
* **mainCalculations.m**  
  uses *preparedData.csv*  
  This file calculates the elasticity of substitution as well as the inflation rates with the CES unified approach as well as the Fisher, Laspeyres and Paasche index. Note that for the calculation of the elasticity of substitution **find\_Elast.m** is needed.   
  saves *dataMatlabStata.csv*
* **matlabToStata.do**  
  uses *dataMatlabStata.csv*   
  This file merges the dataset with the exchange rate and the official CPI data, and transforms them from a Matlab into a xlsx dataset.   
  saves *DataFigures.xlsx*
* **latexpaper.do**  
  uses *DataFigures.xlsx*  
  Generates the figures and tables as in the paper.
* **transactionspaper.do**use *rawdata.dta*  
  this file computes the transaction Table 4 in the paper.   
  saves *transactions.xlsx*
* **SFSO.do**  
  uses *rawdata.dta*Calculates the young index and merges with the official CPI and the exchange rate (Figure 1a).  
  saves *CompareOfficial.dta*