This folder contains the replication files for "Proxy SVARs: Asymptotic Theory, Bootstrap Inference, and the Effects of Income Tax Changes in the United States" by Carsten Jentsch and Kurt G. Lunsford.

`SimScript.m` runs the Monte Carlo simulations in Section 3. It calls `IdentifyFunc.m`, which is a function that executes identification with proxy variables. The results of the simulations can be found in `SimResults.xlsx`.

`Figures1and2.m` produces Figures 1 and 2 in Section 4 of the paper. It also produces the figures in the appendix of the paper. It calls `IdentifyFunc.m` and `acf.m`, which produces the autocovariance functions presented in the paper's appendix. It also calls `VARData.mat`, which is a workspace containing the data for the benchmark VAR in Mertens and Ravn (2013), and `ProxyData.mat`, which is a workspace containing the proxy variables used by Mertens and Ravn (2013).

`Figure3.m`, `Figure4.m`, and `Figure5.m` produce Figures 3, 4 and 5 in Section 4 of the paper. They call `IdentifyFunc.m`, `VARDataAll.mat`, and `ProxyData.mat`.

`MR_AER_DATASET.xlsx` is the file that contains all Mertens and Ravn's (2013) data.