Replicate Paper Series

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Mertens, Karel and Morten O.Raven. 2013. "The Dynamic Effects of Personal and Corporate Income Tax Changes in the United States" *American Economic Review* **103(4):1212-1247 "**

I converted the Merten and Raven(2013) Matlab code into R. I draw figure 2 and figure 3 in the paper and I am working on other graphs.

- Data file: MR_AER_DATASET.csv

- The doProxySVAR.R: The main program is to caculate impulse response functions and bootstrapping confindence intervals. I used R6Class function and this file includes IRFs and bootstrapping IRFs.

- The figure 2&3.R: Impulse reponse functions of average personal income tax rates(APITR) and average corporate income tax rate(ACITR) rates on APITR, ACITR, personal income tax base(APITR shock), personal income tax base(APITR shock),output, personal income tax revenue(APITR shock), coprate income tax revenue(ACITR shock), output, and government purchase.

- 12 RDS files: The data file of the IRFs, Bootstrapping Confidence Interval and the modified variables(personal income tax revenue(APITR shock), coprate income tax revenue(ACITR shock)