

Replication Packet for “Job Search Over the Business Cycle”

June 22, 2017

1 Overview

This packets includes all of the codes needed to reproduce the tables and figures in “Job Search Over the Business Cycle” by Mukoyama, Patterson and Sahin. The packet includes all raw data, intermediate data and programs to produce the figures and tables. Most of the analysis is done in STATA, but Matlab is used to plot the final figures and estimate the model.

Everything in Sections 1-3 of the paper can be recreated by running “SHEL” in the programs subfolder and then running “Figureplots.m” and ”AppendixFigureplots.m”. Table 7 is created by the program “Table7.m”. This code computes statistics in Table 7, panels II and III. The current specification produces the endogenous s and θ case for panel II. To compute the HM specification, simply change the γ and τ to the HM value written in the code. To compute the DMP model case, simply set σ to 0 in the code. Lastly, in order to calculate the panel III of Appendix Table C3, simply change the values of α and ψ for ”counterfactual case” value specified in the code.¹

Note that the HWOL vacancy data is restricted and the data provided in the file “HWOL_state_theta_monthly.dta” is a place holder and simply a random number between 0 and 1. It is meant to be a place holder in the programs.

2 Raw Data

Below, we list the raw data that we use for this analysis. All of the data is included in the packet except for the HWOL vacancy series by states, which is restricted. We have included a dummy dataset as a place holder, but this does not reflect the true numbers, and therefore, will not replicate the results in the paper.

- American Time Use Survey (ATUS): <https://www.bls.gov/tus/>
- Current Population Survey Monthly Basic (CPS): <https://dataferrett.census.gov/>
- S&P 500 Index

¹HP filter code is written by Ivailo Izvorski.

- Quarterly GDP <https://www.bea.gov/newsreleases/glance.htm>
- Unemployment Rates: Aggregate and by State: <https://www.bls.gov/lau/>
- Aggregate and State House Price Index: Downloaded from CoreLogic
- Annual Payroll Employment: <https://www.bls.gov/ces/>
- State hires: <https://ledextract.ces.census.gov/static/data.html>
- Aggregate Hires: <https://www.bls.gov/jlt/>
- Aggregate Vacancies: <https://www.bls.gov/jlt/> and <https://sites.google.com/site/registbarnichon/data>