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"Worker Heterogeneity and Endogenous Separations in a Matching Model of
Unemployment Fluctuations (AEJMacro-2009-0109.R1)
by Mark Bils, Yongsung Chang and Sun-Bin Kim

Contents of AEJMacro-2009-0109.R1_program.zip

1. **Fortran Codes**: All codes for computing equilibria and simulating artificial panel and time series data are written in Fortran and collected in a directory `Fortran`, which contains the following subdirectories with names indicating the models in them. These fortran codes are compiled using Intel Visual Fortran 10.0.

   - `A_SS`: computes the steady state for the exogenous separations model which is named Shimer Economy in Table 3.

   - `AKY_FL`: computes the fluctuations for the exogenous separations model which is named Shimer Economy in Table 3

   - `AX_SS`: computes the steady state for three specifications of the endogenous separations model economies: 1) Benchmark, 2) Half of Separations Exogenous, and 3) High Volatility. The appropriate model is implemented by the parameter values stored in `parameter.txt`. The statistics for the steady state are stored in `Aggregates.txt`.

   - `AXKY_FL`: computes the fluctuations for the above three endogenous separations model economies.

   - `Tools`: collects auxiliary numerical routines such as optimization, interpolation, random number generator, etc.

2. **Matlab Codes**: A subdirectory `Matlab` contains the Matlab codes for generating figures and tables. File names are self-explanatory for what they do.

3. **Stata Codes**:: A subdirectory `Stata` contains the Stata codes for 1) constructing artificial panel data from a monthly panel simulated by `AX_SS`, 2) computing the standard deviation of quarterly wage growth rates of the panel.