**Checklist of the package:**

* “country\_data.xlsx” contains all the data used in this paper:
  + Worksheet “Estimate C0 & C1”: original data sources for estimating consumption equation parameters for G7 and China.
  + Worksheet “Estimate tax allowance & rate”: original data sources for estimating tax allowances and tax rates for G7 and China.
  + Worksheet “load\_data”: collect all the data in one sheet.
  + Worksheet “G8 Ginis”: Gini coefficients for G7 and China.
  + Worksheet “G8 Top10s”: Top 10% wealth shares for G7 and China.
  + Worksheet “Illustration on others”: data sources for other variables used.
  + Worksheet “Diff\_Assets\_Extension”: Equity ratio of Assets for different income percentiles and Return rate of equity assets in the US.
* “Code\_Simple\_Model.m”: Matlab codes for simulating simple models.
* “Code\_Hybrid\_Model.m”: Matlab codes for estimation and simulation of the hybrid empirical ABM.
* “Generated Tables.xlsx” contains all the tables of simulation results used in this paper.
* “optimal\_pars.txt” stores the estimated parameters for the hybrid ABM; “optimal\_loss.txt” stores the values of the loss function for the estimators.
* “MC\_gini\_all.txt” and “MC\_top\_all.txt” store the Monte Carlo simulated distribution of gini coefficients and top 10% shares respectively.
* “MC\_pars\_all.txt” stores the Monte Carlo simulated distribution of estimators.
* “ext3\_estimate.txt” stores the estimated parameter value and the value of loss function for the extended model with different types of assets.