

# Location as an Asset: Read-Me File For Replication Package

Adrien Bilal and Esteban Rossi-Hansberg

April 16, 2021

This replication package for “Location as an Asset” comprises of two folders that organize the replication files.

**Folder “Model”.** This folder contains the Matlab files that construct the quantitative results in the paper. The main files are `SolveLA.m` and `SolveAmenities.m`

- `SolveLA.m` starts by defining the parameter values. It then solves the dynamic location and savings decision problem using the endogenous grid point method.

In that process, `SolveLA.m` calls the functions `PoliciesFL.m` and `Policies.m` that solves for policy functions in the fixed location, and location choice cases. The function `Distribution.m` solves for the invariant population distribution given policy functions. The functions `ZU.m`, `Brackets2fast.m` are auxiliary functions used repeatedly throughout the procedure. `ZU.m` solves for the unconstrained location of an individual, and `Brackets2fast.m` interpolates between grid points.

The remaining Matlab files are also called by `SolveLA.m` and construct Figures 3, 4, 11, 12 in the paper.

- `SolveAmenities.m` solves the model with idiosyncratic preferences for locations, and produces Figure 10 in the paper.

**Folder “Data”.** This folder contains the Stata do-files and SAS code that construct the data and run the regressions in the paper. It also contains a pdf file that details how to obtain access to the data.

- `WageEffect.do` loads the raw DADS Panel data in `.dta` format. It then proceeds to a standard cleaning of the data. Finally, it runs the regressions for Figure 6 and Table 3. The do-file features detailed comments that describe what transformation are performed by each code section.
- `LocationDecisions.do` loads the raw EDP, DADS Panel and DADS Postes data in `.dta` format. It then proceeds to a standard cleaning of the data. Finally, it runs the regressions associated to the results in the paper, and constructs Figures 5, 7, 8, 9, 13 and Tables 1, 2, 4, 5, 6, 7. The do-file features detailed comments that describe what transformation are performed by each code section.
- `SasToDta.txt` provides SAS code to convert the raw `.sas7bdat` data files to raw `.dta` data files.
- `DataAcces.pdf` describes how to obtain access to the data.