This document describes the replication package for the paper "Migration, Specialization, and Trade: Evidence from Brazil's March to the West", published at the Journal of Political Economy.[1] Section 1 explains how the package is organized. Section 2 explains how to run the bash files that automatize the process of replicating all the results in the paper. For questions, contact hpelleg3@nd.edu or ssotelo@umich.edu.

1 Replication files

The files in this package are divided into three folders, separately compressed:

- **/brazil_migration_replication_final/data/**
  This folder contains all the data required to replicate the tables and figures in the paper. It contains two subfolders containing all the data necessary for replication.
  - **/brazil_migration_replication_final/data/output/**
  - **/brazil_migration_replication_final/data/raw/masks/**
- **/brazil_migration_replication_final/structural/**
  This folder contains all the files required to quantify the model. It contains three subfolders.
  - **/brazil_migration_replication_final/structural/code/**
  - **/brazil_migration_replication_final/structural/output/**
  - **/brazil_migration_replication_final/structural/guesses/**
- **/brazil_migration_replication_final/analysis/**
  This folder contains all the files that are used to produce the reduced-form and the results from the paper. It contains two subfolders.
  - **/brazil_migration_replication_final/analysis/code/**
  - **/brazil_migration_replication_final/analysis/output/**
- **/brazil_migration_replication_final/replication_pdf/**
  This folder contains the lyx file that generates a pdf with all the tables and figures in the paper.

2 Replication procedure - Run batch file

If the user is using a UNIX based operating system (MacOS or Linux), then proceed as follows:

- **Verify Program Execution:** Ensure that R, Matlab and Stata can be executed from terminal by checking your system's 'PATH' environment variable. Run 'echo $PATH' in the terminal. If any of these program are missing from the output, update your 'PATH' to include their installation directory.
- Navigate to the working directory "/brazil_migration_replication/analysis/code/" on terminal.
- To generate all the reduced form results of the paper, run the script "run_rf.sh" by typing './run_rf.sh' on terminal.
- To generate all the structural results of the paper, run the script "run_structural.sh" by typing './run_structural.sh' on terminal.

You can also manually replicate the results by following the sequence of commands within each bash script. If you are on Windows, run the sequence of commands found in the bash files manually in your terminal.

[1] Files for the replication of tables in which we use RAIS data, which are confidential, are not included in this replication package. The tables, however, are available in the output folders for the production of the replication file pdf.