Replication Instructions for "When Work Moves: Job Suburbanization and Black Employment"

Conrad Miller (ccmiller@berkeley.edu)

Overview

This README file is divided into two parts. In the first part of the README file, I describe the structure and contents of the replication folder and I provide instructions for replicating the paper's analyses. I also identify the subset of datasets that are restricted access and cannot be publicly posted. The second part of the README file provides instructions for accessing these datasets with specific references to the programs that call in each confidential data file.

Part 1: Replication Folder Contents

This folder contains the Stata do-files (in the **code** sub-folder) that generate the tables and figures from the paper. In the **data** sub-folder, I include one folder (**data/raw**) that contains data files that can be publicly posted. I also include a folder (**data/restricted**) that serves as a placeholder for those data files that cannot be publicly posted. The **data/intermediate** folder contains intermediate data files produced by the included programs. Tables and figures are stored in the **output** sub-folder. The **logs** sub-folder stores the log files produced by the do-files.

Hardware Requirements

This code was last run on a 6-Core Intel-based laptop with Mac OS 10.15.7.

Software Requirements

All included analyses were conducted in Stata 16.

Data

List of datasets included (**data/raw**):

File	Description
`70msa_necma_cw.dta`	1970s-era mapping of counties to MSAs
`80msa_necma_cw.dta`	1980s-era mapping of counties to MSAs
`cbd_coordinates.dta`	Geocoordinates for Central Business Districts
`cc_to_msa.dta`	Constructed file that maps each geocoded stop to a sergeant patrol area (mapping constructed in ArcGIS)
`crime_70.dta`	MSA crime statistics in 1970 (from FBI UCR reports)
`/ctpp_county_1990/`	Census Transportation Planning Products data (county-level, 1990)

/ctpp_county_2000/	Census Transportation Planning Products data (county-level, 2000)
/ctpp_city_1990/	Census Transportation Planning Products data (city-level, 1990)
/ctpp_city_2000/	Census Transportation Planning Products data (city-level, 2000)
frac_black_70.dta	Black share of MSA population in 1970
GAZ_tracts_national.txt	Geocoordinates for Census tracts
highway.dta	Data on highways from Baum-Snow (2007)
ipums_XXXX.dta	Constructed manually in ArcGIS to harmonize coordinate systems across shapefiles
/LTDB_Std_All_fullcount/	Tract-level Census data on population characteristics (from Longitudinal Tract Data Base)
msafips_metarea.dta	Maps MSA FIPS codes to metarea in IPUMS Census data
seg.dta	MSA segregation measures from Cutler et al. (1999)

List of datasets not included (**data/restricted**):

File	**Description**
addr_problems_working.dta	List of relocating establishments and relocation years
addresses_merge.dta	Geocoordinates for establishments and distance to CBD
id_map.dta	ID mapping from EEO-1 data to location data
movers_working.dta	EEO-1 data

Programs

The file master.do is the master file that sets the directory structure, describes the function and output of each component do-file, and calls in each do-file sequentially. Note that the do-files called in by master.do are located in the **code** sub-folder. These do-files cannot be run without first obtaining access to the subset of data files with personally identifiable information that are listed above and described in more detail in Part 2 of this README file.

A set of globals are declared at the start of master.do. You will need to change the global **basedir** to correspond to the location of your replication folder. In addition, after acquiring the subset of data files that are not posted in the repository, the corresponding global **sensdir** will need to be changed. Below, I list the program that generates each table/figure as well as the names of the relevant output files produced. I also list those additional programs referenced in master.do but not included in "List of Tables and Figures."

List of Tables and Figures

Table/Figure #	**Program**	**Output File**
Table 1	5-dist_gradient.do	Produced inline in log file
Table 2	4-market_analysis.do	Produced inline in log file
Table 3	4-market_analysis.do	Produced inline in log file

Table 4	4-market_analysis.do	Produced inline in log file
Table 5	4-market_analysis.do	Produced inline in log file
Figure 1	5-dist_gradient.do 6-res_gradient.do	distslope.pdf distslope_res.pdf
Figure 2	7-movers_analysis.do	relocate_evstudy.pdf
Figure 3	8-create_figure3.do	panel_black.pdf Panel_white.pdf
App. Table A3	5-dist_gradient.do 6-res_gradient.do	Produced inline in log file
App. Table A4	4-market_analysis.do	Produced inline in log file
App. Table A5	4-market_analysis.do	Produced inline in log file
App. Table A6	4-market_analysis.do	Produced inline in log file
App. Table A7	4-market_analysis.do	Produced inline in log file
App. Table A8	9-migration.do	Produced inline in log file
App. Table A9	4-market_analysis.do	Produced inline in log file
App. Figure A1	7-movers_analysis.do	relocate_evstudy_pocc.pdf

Part 2: Accessing Data Files That Cannot Be Publicly Posted

Establishment-level data from EEO-1 Reports can be requested from the US Equal Employment Opportunity Commission.