"When It Rains It Pours" Replication Readme

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STATA (version 15.1) was used for the analysis described in this document. See online appendix section B3 for list of relevant variables and their descriptions.

This data replication package contains the following do-files:

1. gen_file.do generates the final dataset used to create the tables and graphs in the paper (replicationdata.dta)
2. tables.do generates all tables in the paper (using replicationdata.dta) and generates the necessary STATA datasets for graphs.do
3. graphs.do generates the event study graphs in the paper, using STATA datasets generated in tables.do
4. census_collapsed.do uses census data to create state-level averages used in analysis (and merged to main dataset in gen_file.do). This file also includes the code used to generate the numbers used in all of the "recode_" do-files listed below.
5. The following do-files are called in gen_file.do.
    a. stateofbirth_coding.do
    b. recode_dblack.do
    c. recode_popgrowth.do
    d. recode_female1920s.do
    e. recode_black1920s.do
    f. add_goiterld.do (Uses table 18 of Love and Davenport (1920))
6. master.do sets paths and filenames, and runs all of the necessary do-files.

This data replication package contains the following datasets:

1. state_latlon.dta (average latitude and longitude for each state)
2. tb.dta (state-level tuberculosis information from Love and Davenport)

In addition, the analysis requires the following datasets (which are publicly available)

1. longdiff_us.dta from replication package for Bleakley (2010): https://www.aeaweb.org/articles?id=10.1257/app.2.2.1
2. comp.dta from Lleras-Muney (2005) replication package (available on author website)
3. ww2-state-mob-rates.csv from Acemoglu (2004) replication package (available on author website)
4. U.S. Census data. Specifically, the following files need to be downloaded from the IPUMS USA website: 1920 1%, 1930 1%, 1940 1%, 1950 1%, 1960 1%, 1970 1% Metro Form 1/Form 2, 1980 5%, 1990 5%

Steps to replicate analysis

1. Download necessary census data and additional files from replication package (listed above). Save them in the same folder that contains the replication package do-files and included datasets.

2. In master.do, set the working directory and the name of census file downloaded. This do-file will then run the following:
3. census_collapsed.do This will generate baseline_meanrev.dta and stateunemp.dta, which are used in gen_file.do.
4. gen_file.do This will save replicationdata.dta in the provided working directory.
5. tables.do This will save **sumsats.csv**, **tables_main.csv**, and **tables_online.csv** in the working directory provided. This will also save several STATA files (names starting with "**yby_**") in the working directory, which can be used for the graphs in the next step.
6. graphs.do This will generate the png files (names starting with "**yby_**") that make up Figures 2 and B2.

Output Files

1. **sumsats.csv:** This contains summary statistics in Table 1 (and by-year summary statistics in Table B2)
2. **tables_main.csv:** This contains all other tables in the main body of the paper.
3. **tables_online.csv:** This contains all tables in the online appendix.
4. **yby_labforce.png, yby_employed.png, yby_worked40.png, yby_ihsinctot.png:** Figure 2
5. **yby_ihsinctot_1912.png:** Figure B2