Replication files for

"Acts 20 and 22: Assessing the Effectiveness of Fiscal Incentives in Puerto Rico"

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Running the Code

This .zip folder contains an interactive Python notebook called "replication_file.ipynb" (under the "notebook" folder), which reproduces all results and visualizations included in "Acts 20 and 22: Assessing the Effectiveness of Fiscal Incentives in Puerto Rico." All paths in the code are relative to the notebook's location within the .zip folder, so do not move it prior to running.

The first section, "Panel Preparation," prepares the balanced panels used for the analysis. You do not need to run this section, since the cleaned panels are included in "data/cleaned." The section is commented out to make the notebook run more quickly; if you wish to run it, please download the Quarterly Census of Employment and Wages annual files for 2005 to 2016 and place them within the "data/raw/qcew" folder. The second section, "Descriptive Visualizations," reproduce Figures 1 through 3 in the writeup. The third and fourth sections reproduce all other figures and tables pertaining to the Baseline Model and the NAICS 54 models.

Selected File and Folder Descriptions

1. "data/raw/pop": Files containing U.S. Census Bureau Population Estimate Program raw data for Puerto Rico and its municipios as well as other United States jurisdictions

2. "data/raw/cleaned/pop.csv": Panel of consolidated yearly population estimates

3. "data/raw/tax/taxes.csv": Puerto Rico Department of Treasury tax time series

4. "data/cleaned/qcew_2_dig.csv": Consolidated QCEW annual data for private employment, aggregated at the 2-digit NAICS level for county-level observations

5. "data/cleaned/qcew_county_summ.csv": Consolidated QCEW annual data for private employment, aggregated at the county-summary level

6. "data/cleaned/qcew_state_2dig.csv": Consolidated QCEW annual data for private employment, aggregated at the 2-digit NAICS level for state-level observations
7. "data/cleaned/qcew_state_4dig.csv": Consolidated QCEW annual data for private employment, aggregated at the 4-digit NAICS level for state-level observations
8. "data/raw/cleaned/county_summ_panel.csv": Panel of county-level industry-summary observations; balanced to only include counties for which (1) we have data for all years in the sample and (2) there are no omissions in wages, establishment, wage levels, and population; includes variables scaled by population
9. "data/raw/cleaned/panel.csv": Panel of county-industry data observations, aggregated at the 2-digit NAICS level; balanced to only include counties for which (1) we have data for all years in the sample and (2) there are no omissions in wages, establishment, wage levels, and population; includes variables scaled by population

If using the panels included in this folder, we request that you please cite this paper.