Trade Shocks, Population Growth, and Migration

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Data Sources

- Population data comes from the 2000 and 2010 Mexican Census of Population and Housing Units, and the 1995, 2005, and 2010 Intercensal Population and Housing Count collected by the Mexican National Institute of Statistics and Geography (INEGI). Link: https://www.inegi.org.mx/programas/ccpv/2010/

- Population and migration data collected by INEGI are also available for download in the website of the Sistema Nacional de Información Municipal (SNIM), Instituto Nacional para el Federalismo y el Desarrollo Municipal (INAFED), Gobierno de Mexico. Link: http://www.snim.rami.gob.mx/

- Mexican Population Council (CONAPO) has information on the percentage of households whose member(s) have emigrated or returned to the US during 1995-2000 and 2005-2010. Link: https://datos.gob.mx/busca/dataset/indices-de-intensidad-migratoria-mexico-estados-unidos

- Integrated Public Use Microdata Series (IPUMS) International, collected by the Minnesota Population Center. Link: https://international.ipums.org/international/

- To measure the initial industry employment shares, I use the 1999 Mexican Economic Census (with reference period 1998). I also use data from the 2004 and 2009 Mexican Economic Census (with reference periods 2003 and 2008, respectively) to examine changes in manufacturing employment and wages over the period. Link: https://www.inegi.org.mx/programas/ce/1999/

- Data to compute the tariffs gaps comes from (Feenstra et al., 2002) US tariff schedule 1989-2001. Link: https://sompks4.github.io/sub_data.html

- Data on international trade flows is from UN Comtrade. Link: https://comtrade.un.org/

- Shape files for Maps: https://datacatalog.worldbank.org/search/dataset/0039294 and https://esoc.princeton.edu/data/administrative-boundaries-31-states-and-one-federal-district

- This data is matched to 4-digit time-consistent manufacturing industries in the Mexican Economic Census using the concordance in (Pierce & Schott, 2009, 2016) between UN Comtrade 6-digit Harmonized System (HS) and 4-digit North American Industry Classification System (NAICS, or SCIAN in Spanish). I use the dataset provided by the authors to create 4-digit industry time-invariant family level dataset containing 83 constant manufacturing industries.
  Datasets are available at: https://www.aeaweb.org/articles?id=10.1257/aer.20131578 and https://www.nber.org/papers/w15548

- Finally, I use two additional sources of data to examine the main channels through which trade exposure affected manufacturing employment in export-oriented locations. First, the Maquila Export Industry Statistics (EIME) which concluded in 2006, and second, the Manufacturing Industry, Maquila and Export Services (IMMEX), which collects statistics on the export industry since 2007. These state-level statistics

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from the maquiladora industry are publicly available for 17 (of 32) states that are covered by plant-level surveys on maquiladoras conducted by INEGI.

Link to EIME data: https://www.inegi.org.mx/programas/indmaq/#Tabulados

Link to IMMEX data: https://www.inegi.org.mx/programas/immex/#Datos_abiertos

- For the CZ-level analysis in Appendix B, I assign municipalities to Mexican commuting zones using the crosswalk kindly provided by (Blyde et al., 2017). Appendix A in (Blyde et al., 2017) for a description of the algorithm used by the authors to group Mexican municipalities in commuting zones. Researchers can contact the authors directly to request this data.

- For the sensitivity analysis presented in Appendix C, I calculate the number of homicides by municipality using administrative registers from INEGI.
  Link: https://en.www.inegi.org.mx/programas/mortalidad/

Replication Files

Fernandez-Guerrico_WBER2023_Replication_Files/scripts/

The following codes set the directories used in the replication material:

0_directories.do

The following codes produce tables and figures used in the paper:

1_main_tables_figures.do

The following codes produce tables and figures used in the online Appendix:

2_online_appendix_tables_figures.do

Fernandez-Guerrico_WBER2023_Replication_Files/data/

Contains the data used in the scripts.

Fernandez-Guerrico_WBER2023_Replication_Files/results/

The scripts save results to this folder.