Overview

The code in this part of the replication package constructs the analysis files from confidential U.S. Bureau of Economic Analysis (BEA) data and Bureau van Dyke (BvD) Orbis data that are processed using 11 sequential programs in Stata. The programs and the order in which they should be run are described here. The replicator should expect the code to take about 60 minutes to process.

Data Availability and Provenance

The confidential BEA data used in the paper were collected on the Annual Survey of Foreign Direct Investment in the United States (BE-15). The microdata research files and the Stata programs are housed at BEA on secure servers.

*Statement about Rights*

X I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.

☐ I certify that the author(s) of the manuscript have documented permission to redistribute/publish the data contained within this replication package. Appropriate permission are documented in the [LICENSE.txt](https://social-science-data-editors.github.io/template_README/LICENSE.txt) file.

*Summary of Availability*

☐ All data **are** publicly available.

☐ Some data **cannot be made** publicly available.

X **No data can be made** publicly available.

*Details on each Data Source*

The figure and table on foreign direct investment in the U.S. in the paper use the confidential microdata from BEA. To gain access to the BEA microdata, follow the directions here on how to write a proposal for access to the data via a Federal Statistical Research Data Center: <https://www.bea.gov/research/special-sworn-researcher-program>. You must request the following data sets in your proposal: BE-15 microdata research files for 2008, 2012, and 2015.

Instructions to Replicators

The following Stata programs should be run in sequence. They can be run individually, or the Stata program Master.do runs the programs in sequence. The programs were last run on November 18, 2021.

Run first: “UsAffsAlsoUsParsPrep.do” – This program generates a bridge file of U.S. affiliates that are also U.S. parents. The resulting datasets are: UsPars2008.dta, UsPars2012.dta, and UsPars2015.dta.

Run second: “PrepBE152015.do” – This program prepares the 2015 BE-15 data on U.S. affiliates. The resulting dataset is: USAffs2015.dta.

Run third: “PrepBE152012.do” – This program prepares the 2012 BE-15 data on U.S. affiliates. The resulting dataset is: USAffs2012.dta.

Run fourth: “PrepBE152008.do” – This program prepares the 2008 BE-15 data on U.S. affiliates. The resulting dataset is: USAffs2008.dta.

Run fifth: “Expand\_Link\_List.do” – This program improves upon the link between the Orbis data and BEA data. The resulting datasets are: Orbis2012toNameMatch.dta, NewLinks.dta, and BEA\_BVD\_ID\_BRIDGE.dta. This file is not included in the replication package submitted to AEA because it contains confidential information. The file is included in the replication package housed at BEA.

Run sixth: “PrepOrbis.do” – This program prepares the Orbis data on worldwide operations of U.S. affiliates’ parent companies. The resulting datasets are: Orbis2008.dta, Orbis2009.dta, Orbis2010.dta, Orbis2011.dta, Orbis2012.dta, Orbis2013.dta, Orbis2014.dta, and Orbis2015.dta.

Run seventh: “Orbis\_Impute\_Panel\_Create.do” – This program looks at missing values in the Orbis data and makes imputations for some missing values. The resulting dataset is: Orbis20082015.dta.

Run eighth: “CombineFiles.do” – This program combines files from Orbis and BE-15 affiliates’ parent companies. The resulting datasets are: combined2008.dta, combined2012.dta, and combined2015.dta.

Run ninth: “PrepAnalysisData.do” – This program creates standardized code for prepping analysis subsets of data for each year. The resulting datasets are: base2008.dta, base2012.dta, base2015.dta, altA2008.dta, altA2012.dta, and altA2015.dta.

Run tenth: “GetFittedValues.do” – This program runs analysis and generates output for the FDIUS figures. The resulting datasets are: 2008FigureForPaper.csv, 2012FigureForPaper.csv, and 2015FigureForPaper.csv.

Run eleventh: “Reapportionment.do” – This program runs formulary apportionment for U.S. affiliates and generates output for the FDIUS table. The resulting Excel file is: TabStat.xlsx.