

“A Passage to America: University Funding and International Students”

Instructions for replicating results

All data and code necessary to replicate the results are included. Unzip AEJ-2019-0123_data.zip, open master.do in Stata, edit the cd command to point to the directory containing all data and do files and run the file.

Stata Data Files

Details about the data are in the Data Appendix.

Univ_data.dta contains data on public university level of enrollment from American Survey of Colleges (ASC), financial variables and university characteristics from IPEDS, state level appropriations from SHEF and state-level characteristics from BLS, CPS, US Census Bureau, US Bureau of Economic Analysis and the KCPR National Welfare. Data is available for the years 1996 to 2012.

F1_scatter_data.dta contains data on F-1 visa recipients for bachelor’s degrees in China by university for the years 2005 to 2015. The source is F-1 visa administrative data, United States Citizenship and Immigration Services (USCIS). It also contains university characteristics from IPEDS.

freshmen_enrollment_2012_2006.dta contains data on first time undergraduate enrollment from ASC.

Pub_Pvt_scatters.dta contains data on foreign freshmen enrollment from ASC and state level appropriations from SHEF.

F1_data.dta contains data on F-1 visa recipients for bachelor’s, master’s and PhD Degrees in China by university for the years 2004 to 2012. The source is F-1 visa administrative data, from United States Citizenship and Immigration Services (USCIS). It also contains university characteristics from IPEDS.

F1_data_with_funding_China contains data on F-1 visa recipients for bachelor’s, master’s and PhD Degrees in China by student for the years 2004 to 2012. The source is F-1 visa administrative data, from United States Citizenship and Immigration Services (USCIS).

Univ_data_Pvt.dta contains data on private university level of enrollment from ASC, financial variables and university characteristics from IPEDS state level appropriations from SHEF and state-level characteristics from US Census Bureau. Data is available for the years 1996 to 2012.

MI_CA_schools.dta contains data on full time first year by residency and visa status for the years 1996 to 2012. The source is ASC.

Revenues_Expenditure_publics.dta contains data on public university level of financial variables and university characteristics from IPEDS, state level appropriations from SHEF and state-level characteristics from US Census Bureau. Data is available for the years 1996 to 2012.

Stata Do-files

The following do-files use the data-files above and create each table and figure (as well as those in the Online Appendix): Fig2_scatter.do, Fig2_scatter_PanelB.do, Fig4_scatter.do, FigA2_MI_CA.do, FigA3_lead_lag.do, FigA4_scatters.do, Table1_Summary.do, Table_2_3_4_IV.do, Table_2_3_OLS.do, Table_5.do, Table_6_accounting.do, Table_A10.do, Table_A1_panelA.do, Table_A1_panelB.do, Table_A2.do, Table_A3_Private.do, Table_A4.do, Table_A5_alternative_IV.do, Table_A6.do, Table_A7.do, Table_A8.do, Table_A9.do

All files can be run through master.do with the 9 datasets and 22 do-files listed above.

This replication worked as of January 23, 2019 using Stata SE 15.

Excel File

Figures 1, 3 and A1 were directly created in Excel. We included the excel file with the original data on the Figures folder.

Please email the authors with any questions.