Overview

The code in this replication package constructs the analysis file from the Bloom, Draca and Van Reenen (2020) "A Reply to Campbell and Mau" using Stata.

Note that CM_Response_Revised_v2.do creates all the outputs.

It creates **CM_Response_Revised_v2.log** and the excel files **Tab1 and TabA1**

One master file run all of the code to generate the data for the 1 table in the paper and 1 in the appendix. The replicator should expect the code to run for about one hour.

Data Availability and Provenance Statements

All data is included in the replication package (including the original 2016 data). The secondary data is **extra_vars.dta and titc_bdvr_pat.dta (**the latter was also in the original 2016 paper (Bloom, Draca and Van Reenen 2016a) and replication file(Bloom, Draca and Van Reenen 2016b).

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.

Summary of Availability

- ☐x All data **are** publicly available.
- ☐ Some data **cannot be made** publicly available.
- ☐ **No data can be made** publicly available.

Details on each Data Source

The data is extra_vars.dta, and titc_bdvr_pat.dta

Dataset list

Data file	Source	Notes	Provided
extra_vars.dta	PATSTAT, ORBIS, UNCOMTRADE, PRODCOM	Confidential	Yes
titc_bdvr_pat.dta	PATSTAT, ORBIS, UNCOMTRADE, PRODCOM	Confidential	Yes

Please see references for data sources.

Computational requirements

Basic PC

Software Requirements

- Stata (code was last run with version 15.1)
  - `estout` and estab are installed at line 7 of **CM_Response_Revised_v2.do** (currently commented out – take out comment if you have not installed them)

Summary

Approximate time needed to reproduce the analyses on a standard (CURRENT YEAR) desktop machine:

- ☐ <10 minutes
- ☐x 10-60 minutes
- ☐ 1-8 hours
- ☐ 8-24 hours
- ☐ 1-3 days
- ☐ 3-14 days
- ☐ > 14 days
- ☐ Not feasible to run on a desktop machine, as described below.

Details

The code was last run on a 4-core Intel-based laptop with Windows version 10.

Description of programs/code

CM_Response_Revised_v2.do creates all the outputs.

It creates **CM_Response_Revised_v2.log** and the excel files **Tab1 and TabA1**

Instructions to Replicators

- Edit line global dir "C:\Users\vanreene\Dropbox (WMS)\TITC_2019_November2020\Replication\"`programs/config.do` to adjust the default path
- Run **CM_Response_Revised_v2.do**

List of tables and programs

The provided code reproduces:

- ☐x All numbers provided in text in the paper

- ☐ All tables and figures in the paper
- ☐ Selected tables and figures in the paper, as explained and justified below.

Figure/Table #	Program	Line Number	Output file	Note
Table 1	**CM_Response_Revised_v2.do**	51	Tab1.xls	
Table A1	**CM_Response_Revised_v2.do**	66	TabA1.xls	

References

Bloom, Nicholas, Draca, Mirko and Van Reenen, John (2016a), "Trade induced technical change? The Impact of Chinese Imports on Innovation, IT and Productivity, Review of Economic Studies 83(1), 87-117.

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Bloom, Nicholas, Mirko Draca and John Van Reenen, (2020) "A Reply to Campbell and Mau"

Bureau Van Dijk (2020) Company Account Statistics (ORBIS) [dataset] Retrieved from https://www.bvdinfo.com/en-gb/our-products/data/international/orbis

Campbell, Douglas and Karsten Mau (2020) "On Trade Induced Technical Change: The impact of Chinese Imports on Innovation, IT and Productivity", mimeo

European Patent Office (2020) Patent Statistics (PATSTAT) [dataset] Retrieved from https://www.epo.org/searching-for-patents/business/patstat.html

Eurostat (2020) Statistics on the production of manufactured goods (PRODCOM). [Data set] Retrieved from https://ec.europa.eu/eurostat/web/prodcom/data/database

United Nations (2020) Statistics on trade (COMTRADE) [Data set] Retrieved from https://comtrade.un.org/