

Replication materials for

“The Global Welfare Impact of China: Trade Integration and Technological Change,”

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This folder contains the materials to replicate the tables and figures in the paper. The format for files is STATA. The files are described below. Individual variables are labeled inside the .dta files.

replicate.do: the main program that loads the data files, computes the required variables, and outputs tables and figures.

dni828.dta: the dataset of iceberg trade costs. The iceberg trade costs are estimated as described in Web Appendix B.

Ts\_absolute\_cfChina.dta: the dataset of the absolute values of T parameters. The T's are estimated as described in Web Appendix B.

sectoraltrade.dta: the dataset of sectoral imports and exports. The data come from COMTRADE, concorded to the 2-digit ISIC Rev.3 sectoral classification.

welfare.dta is the dataset of the welfare levels in the benchmark and counterfactuals. The welfare levels are obtained by solving the model under different values of T for China. Welfare is defined as in Section 3.3 of the main text.

our\_regions\_countries.dta: auxiliary dataset with definitions of out regional/country groupings.

pop\_temp.dta: auxiliary dataset with total population and total GDP. Both are decade averages. Source: Penn World Tables.

Ts\_10year828.dta: dataset containing the estimates of T parameters relative to the US in each decade, as well as wages, returns to capital, and production function parameters (alpha and beta). The T parameters relative to the US are estimated as described in Web Appendix B.1. Wages are taken from UNIDO Industrial Statistics Database. Returns to capital are estimated based on wages, total endowments of labor, and total endowments of capital (sources from the Penn World Tables), as described in Section 4.1. The omega parameter is estimated as described in Web Appendix B.3.

pi\_model\_actual.dta: dataset containing the spending shares  $\pi_{ni}$  for both the data and as implied by the model. The data shares are constructed using COMTRADE trade data and UNIDO production data. The model shares are those implied by the equilibrium of the benchmark model.

w\_r\_model.dta: wages and return to capital as implied by the benchmark model.