

Code and data files for *Economic Impact of Section 232 and 301 Tariffs on U.S. Industries*, Inv. No. 332-591

This release accompanies the U.S. International Trade Commission's (Commission) report *Economic Impact of Section 232 and 301 Tariffs on U.S. Industries*, Inv. No. 332-591. This release includes the data and code files used for two economic modeling components in the report:

1. Modeling of section 232 tariffs contained in chapter 5 of the report and detailed in appendix F.
2. Modeling of section 301 tariffs contained in chapter 6 of the report and detailed in appendix G.

The release consists of a .zip file containing 2 folders. Each folder contains code files, additional data (if applicable), and instructions for replicating these analyses. In some cases, large data files have been individually zipped to reduce file sizes and will need to be unzipped before using.

Modeling of section 232 tariffs in Chapter 5 and Appendix F

This model accompanies the economic analysis that is presented in Chapter 5 and Appendix F. This quantitative analysis examines the economic impact of section 232 tariffs on U.S. prices, production, and imports. The model inputs (ORANGE-shaded cells) include elasticities that describe responsiveness to price changes, and domestic production and imports data. Data sources are listed in the cell above the data input. The model inputs include the effects of the 232 tariffs. Then, the model simulation estimates what prices and quantities would have looked like if section 232 tariffs were not in place for each year. Outputs are in the GREEN-shaded cells. The white cells are intermediate calculations.

All files associated with this model can be found in the subfolder "Chapter 5 and Appendix F". Within this folder, there are Mathematica notebook code files for each model presented in the report. PDF versions of each of the Mathematica files are included as well, which can be viewed without a Mathematica license.

Modeling of tariffs in Chapter 6 and Appendix G

This model accompanies the econometric and partial equilibrium analyses presented in Chapter 6 and Appendix G. This analysis first estimates the sensitivity of several economic outcomes to the tariffs. It then uses these estimates to examine the impacts of the tariffs on other outcomes using a partial equilibrium model framework.

All files associated with these models can be found in the subfolder "Chapter 6 and Appendix G". Within this folder, there are a collection of Python and Stata code files and data sets used in the analyses. There is also an additional readme file containing detailed instructions on the contents of these files and how to replicate the analysis using them.

Recommended citation

U.S. International Trade Commission (USITC). *Economic Impact of Section 232 and 301 Tariffs on U.S. Industries*, USITC Publication 5405. Washington, DC: USITC, March 2023.