README
"A Generalized Uzawa Growth Theorem"
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Data Availability and Provenance Statement

- All data used in this study are publicly available. A list of all data used in the analysis is included in Appendix Section D.
- In addition, all data are provided in the excel file 'Analysis.xlsx' included in this documentation. The relevant tabs are to the right of the red tab labeled 'Data -->'. The data in the excel file reflect the version used in this paper. Some of the data may be updated at the underlying source.
- We certify that we, the authors of the manuscript, have legitimate access to and permission to use the data used in this manuscript.
- All outputs in the paper can be replicated using the files in this documentation.

Dataset list

- This paper uses data from the Federal Reserve Economic Database (FRED) from the Federal Reserve Bank of St. Louis. Accessed 5/27/21 from https://fred.stlouisfed.org. The list of variables downloaded from FRED is included in the tab 'FRED Annual README' in the excel file 'Analysis.xls'.
    - One data series was downloaded separately. The documentation is available at: https://fred.stlouisfed.org/series/K1TTOTL1ES000.
- This paper also uses data from the Annual Energy Review of the Energy Information Administration. Accessed 5/27/21 via https://www.eia.gov/totalenergy/data/annual/.

Computational Requirements

The following software is needed to replicate the results.

- Excel: The collection of data, model calibration, and labor share analysis were done in the excel file 'Analysis.xlsx' included in this documentation.

The code was last run on a 14-core intel-based desktop computer with MacOS version 12.6.

Description of Programs/Instructions for Replicators

All analyses are performed in the excel file 'Analysis.xlsx'.

Details

The 'audit' tab in the Excel file 'Analysis.xlsx' explains the purpose of each tab. It provides original data sources and how the tabs read from each other. All of the tabs in the 'Charts' section appear in the

paper. The audit tab gives the mapping from the excel tabs to figure numbers in the paper. This mapping is also provided in the table below.

List of Figures/Tables and Programs

The table below maps all of the tables and figures from the paper to the appropriate tabs in 'Analysis.xls.' All output files are within the 'Figures' folder.

Figure/Table #	**Program**	**Line Number**	**Output file**	**Note**
Figure 1a	'Analysis.xls'		fig1a.png	Tab 'BGP Chart'
Figure 1b	'Analysis.xls'		fig1b.png	Tab 'I Price Data
Tables 2 and 3	'Analysis.xls'	See array X4:AA43	N/A	Tab 'Calibration'. Values manually copied from Excel to Latex.
Figure 2a	'Analysis.xls'		fig2a.png	Tab 'I Price Fit'
Figure 2b	'Analysis.xls'		fig2b.png	Tab 'Labor Share'

References

Energy Information Administration (2021): "Annual Energy Review," https://www.eia.gov/totalenergy/data/annual/ (accessed 5/27/21).

Federal Reserve Bank of St. Louis (2021): "Federal Reserve Economic Database (FRED)" https://fred.stlouisfed.org (accessed 5/27/21).