Readme file for Competition and Pass-Through: Evidence from Isolated Markets
Christos Genakos and Mario Pagliero
AEJApp-2020-0863

This folder includes the data and code needed to reproduce all the results of the paper.
All the analysis is done on Stata v15.1.
Packages required: estout, outreg2, cdfplot, tabout, xtivreg2, ivreg2, ranktest, coefplot

1. Do files

data preparation.do: Stata do file that merges the various datasets and prepares the data for the analysis.

analysis.do: Stata do file to reproduce all graphs and regressions results presented in the paper and online Appendix.

2. Data files

station_price_data.dta: Contains the data on the stations, products, prices and tax duties.

island_characteristics.dta: Contains the data on socioeconomic and geographic characteristics of each island.

station_characteristics.dta: Contains the data on each gas station geo-location, whether the station was offering any additional services (such as shop, carwash, tire repairs etc) and calculated distance to other gas stations based on different criteria.

main_islands.dta: Main dataset used for all regression tables and figures, with the exception of Table A2, Figure 6 and Figure A4, which use supplementary data as explained below.

islands_freq.dta: Dataset used to reproduce Figure 6. Calculates the frequency of price changes in gas stations in low and high competitive markets following the three excise duty changes, as described in section 5.3 of the paper.

islands_freq_vat.dta: Datasets used to reproduce Figure A4. Calculates the frequency of price changes in gas stations in low and high competitive markets following the VAT changes, as described in section 5.3 of the paper.

main_islands_extra.dta: Table A2 test of sample representativeness. Brings information on additional gas stations for which we do not have price information to test the representativeness of the final sample, as described in section 3.1 of the paper.

3. Variables description

Gas stations and fuel prices
Data on the identity of gas stations and retail prices for each product comes from the website (http://www.fuelprices.gr/GetGeography) maintained by the Greek Ministry of Development

and Competitiveness, accessed in 2018. The data is public and can be obtained through the website by specifying the date, location, and product. The data for our sample of islands (described in the appendix) was not available in a format that could be easily processed and used for the analysis. Price data for each gas station in the sample was collected from different files and coded manually to create the main data set (station_price_data.dta).

Island characteristics

Data on socioeconomic and geographic characteristics of each island were obtained from the Hellenic Statistical Authority (https://www.statistics.gr/en/home), Census 2010 (published in 2011). The data is public. The data and documentation can be downloaded from https://www.statistics.gr/el/statistics/-/publication/SAM03/2011 The data for each island in the sample can be obtained by downloading the files with data at the municipality level (for example, file B01 includes data for permanent population). The data was coded manually from the official publications to create the data file island_characteristics.dta

Gas station location and characteristics

Using Google maps (https://www.google.com/maps/, accessed in 2018) we geo-located each gas station and verified whether each station was offering any additional services (such as shop, carwash, tire repairs etc). The data from Google maps is publicly available. For each pair of gas stations on each island, we used the Google maps interface to measure distance, driving distance, and driving time. The data was collected and coded manually to create station_characteristics.dta.