

README: Consumer Surplus of Alternative Payment Methods

Overview

The code in this replication package constructs the analysis file from both experimental and observational proprietary data for Uber rides in Mexico and Panama. The name of each code corresponds to a figure or a table in the text.

Data Availability and Provenance Statements

The experimental and observational data from Uber is proprietary and cannot be shared. The primary data was provided under a Data Usage Agreement from Uber; our agreement with Uber excludes us from sharing the underlying data. Researchers interested in working with Uber data should contact Libby Mishkin (mishkin@uber.com), a Director at Uber, or Jonathan Hall (jvh@uber.com), the Chief Economist. Researchers must also execute a data use agreement with Uber and arrange for secure access to the relevant files.

Complementary data from household surveys conducted by INEGI, the Mexican statistical agency, which are publicly available, is also used. In each of the codes using these data, we provide the necessary information to obtain these data sets. We provide the relevant data citations in the following sections. The data sets used are:

- ☐ INEGI (Instituto Nacional de Estadística y Geografía). Mexican Census 2010
- ☐ INEGI (Instituto Nacional de Estadística y Geografía). Marco Geoestadístico June 2018
- ☐ INEGI (Instituto Nacional de Estadística y Geografía). Intercensal Survey 2015
- ☐ INEGI (Instituto Nacional de Estadística y Geografía). National Survey of Financial Inclusion 2015

Statement about Rights

We certify that the authors of the manuscript have legitimate access to and permission to use the data used in this manuscript. The authors don't have permission to redistribute or publish the raw or aggregated data.

Software Requirements

- Stata (code was run with version 15)
- The command to install these packages is: `ssc install`
 - ☐ `reghdfe`
 - ☐ `gtools`
 - ☐ `distinct`
 - ☐ `egenmore`
 - ☐ `ftools`
 - ☐ `moremata`
 - ☐ `dataout`

- The command to install these packages is: net install
 - estout
- The code run under Mac Studio M2 Ultra (24coreCPU, 60coreGPU, 32coreNeural), 192GB RAM, 8TB SSD, 4-yr Applecare

Descriptions of Programs/Code

Each code can be run independently to produce a specific figure or table. The user should change “dirin” or “dirout” to match their own directories. The code reproduces all tables and figures in the paper, as well as those in the Online Appendix. Table 1 and Table 5 are manually produced.

For preparation, users should run the codes in the “DataPreparation” folder, which are independent of each other, except for the geolocalization codes, which should be run in the following order: 1) “census.do,” 2) “Distancetrips.m,” and 3) “geolocalization.do.” These codes use publicly available data from INEGI, the Mexican statistical agency. Each code indicates the source and link to obtain each data set.

List of Tables and Programs

The provided code reproduces all tables and figures in the paper. The code generates the following outputs:

- Figures 1-9
- Figure C1
- Figure E1
- Figures G1-G4
- Tables 2-4
- Table 6-7
- Table A1-A3
- Table E1

Data Citations

- INEGI (Instituto Nacional de Estadística y Geografía). Mexican Census 2010. Dataset. Accessed December 2018. <https://www.inegi.org.mx/programas/ccpv/2010/#microdatos>
- INEGI (Instituto Nacional de Estadística y Geografía). Marco Geoestadístico June 2018. Dataset. Accessed June 2019. <https://www.inegi.org.mx/temas/mg/>
- INEGI (Instituto Nacional de Estadística y Geografía). Intercensal Survey 2015. Dataset. Accessed June 2018. <https://en.www.inegi.org.mx/programas/intercensal/2015/#microdata>
- INEGI (Instituto Nacional de Estadística y Geografía). National Survey of Financial Inclusion 2015. Dataset. Accessed June 2018. <https://en.www.inegi.org.mx/programas/enif/2015/>
- Uber Technologies. 2018. Experimental and Observational Data from Mexico and Panama for "Consumer Surplus of Alternative Payment Methods." Dataset. Accessed June 2018.