Dominated Choices in a Strategically Simple College Admissions Environment: Replication Package

Raw Data

Raw data for the paper should be placed in the folder ‘raw_data’.

Required files:

1. Applicant-level files: /raw_data/individual_{YEAR}.dta, YEAR = 2009 ... 2014
2. Application-level files: /raw_data/application{YEAR}.dta, YEAR = 2009 ... 2014
3. Contract-level files: /raw_data/institutional_data_{YEAR}.dta, YEAR = 2009 ... 2014
4. File on settlement-level income: /raw_data/Income.dta
5. File on unemployment: /raw_data/NUTS_unemployment.dta
6. File on tuition waivers: /raw_data/tuition_{YEAR}.csv, YEAR = 2013, 2014 (available)

1.-3.: Databank of Centre for Economic and Regional Studies – Education – Application and Admission to Higher Education (FELVI):
https://adatbank.krtk.mta.hu/en/adatbazisok/elerheto-adatbazisok/
4. Databank of Centre for Economic and Regional Studies – Municipalities and Census Tracts – Municipality-level data (TSTAR) – Income taxes
https://adatbank.krtk.mta.hu/en/adatbazisok/elerheto-adatbazisok/
5. Small area employment data:
http://kisterseg.munka.hu/index.php?static=kister&lang=english
6. Hand-collected data on tuition waivers:
2013:
https://www.felvi.hu/felveteli/jelentkezes/korabbi_elj_archivum/felveteli_tajekoztatok/meghirdetesek_13a/!Fft_archivum_14A/index.html/!Fft_archivum_13A/index.html
2014:
https://www.felvi.hu/felveteli/jelentkezes/korabbi_elj_archivum/felveteli_tajekoztatok/meghirdetesek_14k/!Fft_archivum_14K/index.html

Tidy Data for Analysis

The script /code_analysis/Main_data_preparation.do performs data preparation. To run this script, set the global variable main_dir to the directory of the analysis. The main directory should include the following folders:

- /raw_data/ - folder including raw data
- /data_tidy/ - folder including tidy data
- /code_data_preparation/ - folder including the scripts for data preparation

This folder includes the following files:

- code_data_preparation/Main_data_preparation
- code_data_preparation/1_tidyApplicationsWithPriorityScores.do
- code_data_preparation/2_tidyApplicantData.do
- code_data_preparation/3_prepareDataForWelfareAnalysis.do
- code_data_preparation/4_runSPDA.do
- code_data_preparation/5_correctPriorityScoreCutoffs.do
- code_data_preparation/6_createContractDictionary.do
- code_data_preparation/7_identifyDominatedChoices.do
- code_data_preparation/8_runSPDAWithNoDominatedChoicesLowerBound.do
- code_data_preparation/9_runSPDAWithNoDominatedChoicesUpperBound.do
- code_data_preparation/10_collectSPDAWithNoDominatedChoices.do
- code_data_preparation/11_appendSPDAWithNoDominatedChoices.do
- code_data_preparation/12_prepareDataForProgramLevelAnalysis.do
- code_data_preparation/13_prepareTuition.do
- code_data_preparation/helpers/addAdmittedBelowPSCutoff.do
- code_data_preparation/helpers/addCapacity.do
- code_data_preparation/helpers/addHasJustifiedEnvy.do
- code_data_preparation/helpers/createLongApplicantionsDataWithPriorityScores.do
- code_data_preparation/helpers/dropErroneousContracts2008.do
- code_data_preparation/helpers/dropErroneousContracts2009.do
- code_data_preparation/helpers/dropErroneousContracts2010.do
- code_data_preparation/helpers/dropErroneousContracts2011.do
- code_data_preparation/helpers/dropErroneousContracts2012.do
- code_data_preparation/helpers/dropErroneousContracts2013.do
- code_data_preparation/helpers/dropErroneousContracts2014.do
- code_data_preparation/helpers/runSPDA.do
- code_data_preparation/helpers/tidyVariableForWelfareAnalysis.do

Running this script results in two datasets:

1. Data for applicant-level analysis: /data_tidy/data_applicant_level_analysis.dta
2. Data for program-level analysis: /data_tidy/data_program_level_analysis.dta

Tables

To generate tables displayed in the paper, one has to run '/code/Master_data_analysis.do'.
Required folders:

- /data_tidy/ - folder including tidy data
- /code_analysis/ - folder including the scripts for analysis
- /results/ - folder including tables presented in the paper

Table 1: A rank-order list with dominated choices

No data needed.

Table 2: Applicant-level summary statistics

Code: /code_analysis/analysis_Table2.do
Input file: /tidy_data/data_applicant_level_analysis.dta
Output file: /results/Table2.tex

Table 3: The Prevalence and Cost of Dominated Choices

Code: code_analysis/analysis_Table4.do
Input file: tidy_data/data_applicant_level_analysis.dta
Output file: /results/Table4.tex

Table 4: The aggregate effect of dominated choices

Code: /code_analysis/analysis_Table5.do
Input file: /tidy_data/data_applicant_level_analysis.dta
Output file: /results/Table5.tex

Table 5: Characteristics of winners and losers

Code: /code_analysis/analysis_Table5.do
Input file: /tidy_data/data_applicant_level_analysis.dta
Output file: /results/Table5.tex

Table 6: Demographics, socioeconomic status, academic achievement and dominated choices

Code: /code_analysis/analysis_Table6.do
Input file: /tidy_data/data_applicant_level_analysis.dta

Output file: /results/Table6.tex

Table 7: Program characteristics and dominated choices

Code: code_analysis/analysis_Table7.do
Input file: data/data_program_level_analysis.dta
Output file: /results/Table7.tex

Table 8: Program characteristics and dominated choices: heterogeneity

Code: code_analysis/analysis_Table8.do
Input file: data/data_program_level_analysis.dta
Output file: /results/Table8.tex

Additional Results

Table B1: Demographics, socioeconomic status, academic achievement and dominated choices: Relevant applicants

Code: code_analysis/analysis_TableB1.do
Input file: /tidy_data/data_applicant_level_analysis.dta
Output file: /results/TableB1.tex

Table B2: Demographics, socioeconomic status, academic achievement and dominated choices: High-school senior applicants

Code: /code_analysis/analysis_TableB1.do
Input file: /tidy_data/data_applicant_level_analysis.dta
Output file: /results/TableB2.tex

Table B3: Demographics, socioeconomic status, academic achievement and dominated choices

Code: /code_analysis/analysis_TableB3.do
Input file: /tidy_data/data_applicant_level_analysis.dta
Output file: /results/TableB3.tex

Table B4: Program characteristics and dominated choices: 2009--2011

Code: code_analysis/analysis_TableB4.do
Input file: data/data_program_level_analysis.dta
Output file: /results/TableB4.tex

Other files:
code_analysis/helpers/addVariablesForRegressionAnalysis.do

code_analysis/analysis_CostOfDominatedChoices.do