README

Manuscript title: "The Impact of Admission to a Selective College on Crime: Evidence from a Tuition-Free University in Brazil"
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1 Overview

This replication package contains the codes (`tables.do`, `figures.do`, and `backofenvelope.do`) and data (`restricteddata.dta` and `nonadmitted.dta`) for five figures and eight tables in the main paper. The tables and figures are:

- In `figures.do`
  - **Figure 1**: Relationship Between Admission Score and Enrollment at the Flagship University
  - **Figure 2**: Relationship Between Admission Score and the Probability of Criminal Prosecution in the Following Decade
  - **Figure 3**: Effect of Admission on the Probability of Criminal Prosecution by Type of Crime and Gender
  - **Figure 4**: Effect of Admission on Criminal Prosecution by Year After Applying to the Flagship University
  - **Figure 5**: Effect of Admission on Formal Employment by Year After Applying to the Flagship University
- In `tables.do`
  - **Table 1**: Descriptive Statistics
  - **Table 2**: Effects of Admission and Enrollment on Criminal Prosecution by Type of Crime
  - **Table 3**: Effects of Admission and Enrollment on Criminal Prosecution by Type of Program
  - **Table 4**: Effect of Admission on Criminal Prosecution Controlling for Educational Attainment
  - **Table 5**: Effects of Admission and Enrollment on College Attendance by Type of Program
  - **Table 6**: Effect of Admission on the Probability of Attending a High-Quality HE Institution
  - **Table 7**: Effect of Admission on the Probability of Civil Prosecution
- In `backofenvelope.do`
  - **Table 8**: Simulated Crime Rate Among Non-Admitted Low-Income Applicants After Increasing Admissions

2 Data Availability and Files

The paper relies on confidential data from university applicants, students, instructors, and workers. The raw data cannot be provided.

This replication package contains an anonymized dataset (`restricteddata.dta`), including the final variables used in the analysis, and codes to produce the main tables and figures in the paper. For Table 8, we use a separate dataset of non-admitted candidates (`nonadmitted.dta`). Many other variables are excluded from these datasets to preserve the confidentiality of our sample.

Onsite access to the raw data can be obtained by contacting the authors. Please send an email to breno.sampaio@ufpe.br.

3 Variable Dictionary

On `restricteddata.dta`:

`id:`	Anonymized individual ID
`year:`	Year of application
`std_admscore:`	Standardized admission score
`admission:`	Admitted to the applied program
`enrolled:`	Enrolled after admission (same year)
`gradufpes:`	Graduated from UFPE within 10 years after application
`all:`	All sample
`female:`	Female
`male:`	Male
`low20:`	Low income group
`high80:`	High income group
`lowSESprog_inc:`	Low SES program, based on share of high-income students
`lowSESprog_sch:`	Low SES program, based on share of private school students
`crime_adm2:`	Criminally prosecuted within 2 years after application
`crime_adm3:`	Criminally prosecuted within 3 years after application
`crime_adm4:`	Criminally prosecuted within 4 years after application
`crime_adm5:`	Criminally prosecuted within 5 years after application
`crime_adm6:`	Criminally prosecuted within 6 years after application
`crime_adm7:`	Criminally prosecuted within 7 years after application
`crime_adm8:`	Criminally prosecuted within 8 years after application
`crime_adm9:`	Criminally prosecuted within 9 years after application
`crime_adm10:`	Criminally prosecuted within 10 years after application
`crime_adm11:`	Criminally prosecuted within 11 years after application
`crime_adm12:`	Criminally prosecuted within 12 years after application
`crime_at2:`	Criminally prosecuted in year 2 after application
`crime_at3:`	Criminally prosecuted in year 3 after application
`crime_at4:`	Criminally prosecuted in year 4 after application
`crime_at5:`	Criminally prosecuted in year 5 after application
`crime_at6:`	Criminally prosecuted in year 6 after application
`crime_at7:`	Criminally prosecuted in year 7 after application
`crime_at8:`	Criminally prosecuted in year 8 after application
`crime_at9:`	Criminally prosecuted in year 9 after application
`crime_at10:`	Criminally prosecuted in year 10 after application
`crime_at11:`	Criminally prosecuted in year 11 after application
`crime_at12:`	Criminally prosecuted in year 12 after application
`crime_violent_adm10:`	Violent crime - prosecuted within 10 years after application
`crime_property_adm10:`	Property crime - prosecuted within 10 years after application
`crime_drugs_adm10:`	Drug-related crime - prosecuted within 10 years after application
`crime_public_adm10:`	Crime against public interest (API) - prosecuted within 10 years after application
`crime_public_drug_adm10:`	Drug-related or API - prosecuted within 10 years after application
`crime_traffic_adm10:`	Traffic-related crime - prosecuted within 10 years after application
`crime_unclassified_adm10:`	Unclassified type of crime - prosecuted within 10 years after application
`attendance:`	Attended college within 10 years after application
`attainment:`	Has a college degree within 10 years after application
`hq_degree:`	Hold a high-quality college degree
`employed_adm0:`	Formally employed 0 years after application
`employed_adm1:`	Formally employed 1 years after application
`employed_adm2:`	Formally employed 2 years after application
`employed_adm3:`	Formally employed 3 years after application
`employed_adm4:`	Formally employed 4 years after application
`employed_adm5:`	Formally employed 5 years after application

employed_adm6:	Formally employed 6 years after application
employed_adm7:	Formally employed 7 years after application
employed_adm8:	Formally employed 8 years after application
employed_adm9:	Formally employed 9 years after application
employed_adm10:	Formally employed 10 years after application
employed_adm11:	Formally employed 11 years after application
employed_adm12:	Formally employed 12 years after application
lsalary_adm10:	Log earnings 10 years after application
migration_adm10:	Migration to another state 10 years after application
divorce_adm10:	Prosecuted in a divorce trial within 10 years after application
nopay_adm10:	Prosecuted in collection lawsuit within 10 years after application
civil_other_ 10:	Prosecuted in other civil trial within 10 years after application
age:	Age
attempts:	Number of previous attempts
prepprogram:	Attended preparatory program
private_hs:	Attended private high school
parents_heduc:	One parent has college degree
parents_unemp:	One parent is underemployed
parents_entrep:	One parent is an entrepreneur
capital:	Living in MAR
prog_market:	Reason to apply to program: Career prestige
prog_quality:	Reason to apply to program: Quality of the program
self_full:	Reason to apply to program: Personal self-fulfilment
prog_other:	Reason to apply to program: Other reasons
tuition_fees:	Reason to apply to university: No tuition fees
univ_prestige:	Reason to apply to university: University's prestige
other_reasons:	Reason to apply to university: Other reasons

On nonadmitted.dta:

sample:	In the restricted Sample, see Section 3
low20:	Low income group
lowSESprog_inc:	Low SES program, based on share of high-income students
crime_adm10:	Criminally prosecuted within 10 years after application
public_hs:	Attended public high school
black:	Black or indigenous
p_nad:	Relative distance to admission cutoff, as % of admitted students
p_nad_pub:	If public school quota, relative distance to admission cutoff, as % of admitted
p_nad_race:	If racial quota, relative distance to admission cutoff, as % of admitted student

4 Computational Requirements

All the analyses were performed in STATA 17. In addition to basic commands, the code requires the following programs:

- `frmttable` (part of the `sg97_5` package, which can be installed with "`net install sg97_5`")
- `rdrobust` (part of the `st0366_1` package, which can be installed with "`net install st0366_1`")

5 Data Analysis

The code is written assuming that the replication package is unzipped in the working directory of STATA.

To produce the figures, run the code `figures.do` in STATA from the beginning to the end. To produce the tables, run the code `tables.do` from the beginning to the end.

The figures and tables are generated using "loops" and temporary macros. **Please run the each section of the codes all at once**.