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M2 Development Economics/Economie du Dévelopement Durable

CODEBOOK

For the replication of "The Effects of a Large-Scale Mental Health Reform: Evidence from Brazil", by Mateus Dias and Luiz Felipe Fontes, *American Economic Journal* (2024)

The database is not publicly available but has been requested by the authors through the Information Access Law to the Brazilian Ministry of Health. It provides data on the opening of CAPS centers over the period 2002 to 2019. To measure the program spendings, they use the Ministry of Health's SIH and the Brazil's National Treasury. Municipality characteristics are provided by the Brazilian Statistical Office. Finally, health outcomes information comes from several sources:

- Outpatient services: the National Registry of Health Establishments.
- Outpatient care: the National System of Information on Ambulatory Care
- Inpatient care: the Hospital Information System of the Unified Health System.

Outcome variable:

Name of the variable	Type	Description
Longstay_ha_by_md	Float	Long-stay hospital admissions by mental disorders

Main explanatory variable (variables used to estimate the impact of the first year CAPS was implemented in each municipality) :

Name of the variable	Type	Description
Caps (another variable named "ca" is also the same)	Float	CAPS = to 1 if there is a CAPS

Controls:

Name of the variable	Type	Description
Loggdppc	Float	Log of GDP per capita
Log_pbf_pc	Float	Log of PBF transfers per capita
Pop_m_10to19 → pop_m_70to79	Double	Male population in the age bin 10 to 19/20 to 29/…/70to79

Pop_f_10to19 → pop_f_70to79	Double	Female population in the age bin 10 to 19/20 to 29/…/70to79
Mhpf02trend	Float	
Estab02trend	Float	
Popruraltrend	Float	
Analfabs_2000trend	Float	
Sharepobres2000trend	Float	
Theil2000trend	Float	
Lnsaudepctrend	Float	
Poptotaltrend	Float	
Temperaturetrend	Float	
Municipality_areatrend	Float	
Distance_to_capitaltrend	Float	
Altitude_100trend	Float	
Rainfalltrend	Float	
Lnpbfpctrend	Float	
Lnpibpctrend	Float	

Other variables:

- **For the replication of the Table A2 (descriptive statistics):**

Name of the variable	Type	Description
Ha_by_md	Float	Hospital admissions by mental disroders per 10,000 people
Ha_schizo	Float	Hospital admissions by schizophrenia (cid f20) per 10,000 people
Ha_schizo2	Float	Hospital admissions by schizophrenia and schizophrenia-like disorders per 10,000 people
Ha_mood	Float	Hospital admissions by mood disorders per 10,000 people
Ha_stress	Float	Hospital admissions by stress-related disorders per 10,000 people
Ha_substance	Float	Hospital admissions by mood disorders per 10,000 people

Ha_demencia	Float	Hospital admissions by dementia per 10,000 people
Ha_retardation	Float	Hospital admissions by mental retardation per 10,000 people
Ha_md	Float	Hospital admissions by other mental disorders per 10,000 people
Suicide	Float	Suicide per 10,000 people
Overdose	Float	Overdose per 10,000 people
Death_alcohol	Float	Alcohol-related deaths per 10,000 people
Death_mental_health	Float	Mental health-related deaths per 10,000 people
Homicides	Float	Homicides per 10,000 people
Op_by_psychiatrist	Float	Outpatient procedures delivered by psychiatrists per 10,000 people
Op_by_psycho	Float	Outpatient procedures delivered by psychologists per 10,000 people
Op_by_socialwork	Float	Outpatient procedures delivered by social worker per 10,000 people
Op_by_therap	Float	Outpatient procedures delivered by therapists per 10,000 people
Dispense_antipsychotics	Float	Dispense of antipsychotics per 10,000 people
Psychiatrist_tot	Float	Psychiatrists per 10,000 people
Psychologist_tot	Float	Psychologists per 10,000 people
Socialworker_tot	Float	Social workers per 10,000 people
Therapist_tot	Float	Therapists per 10,000 people
Psychiatric_beds	Float	Psychiatric beds per 10,000 people
Pop_	Double	Number of inhabitants

- **For the replication of the Figure A8 (robustness check):**

Name of the variable	Type	Description
Psf_imp	Float	= 1 if the PBF program has been implemented
Caps	Byte	= 1 if CAPS has been implemented

Informative variables:

Name of the variable	Type	Description
Year	Double	Year, from 2003 to 2016

Id_muni	Float	Municipalities' identity (number for each id)
Id_state	Float	Number for each state