Readme file for the replication of:

How Criminal Organizations Expand to Strong States: Local Agreements and Migrant Exploitation in Northern Italy

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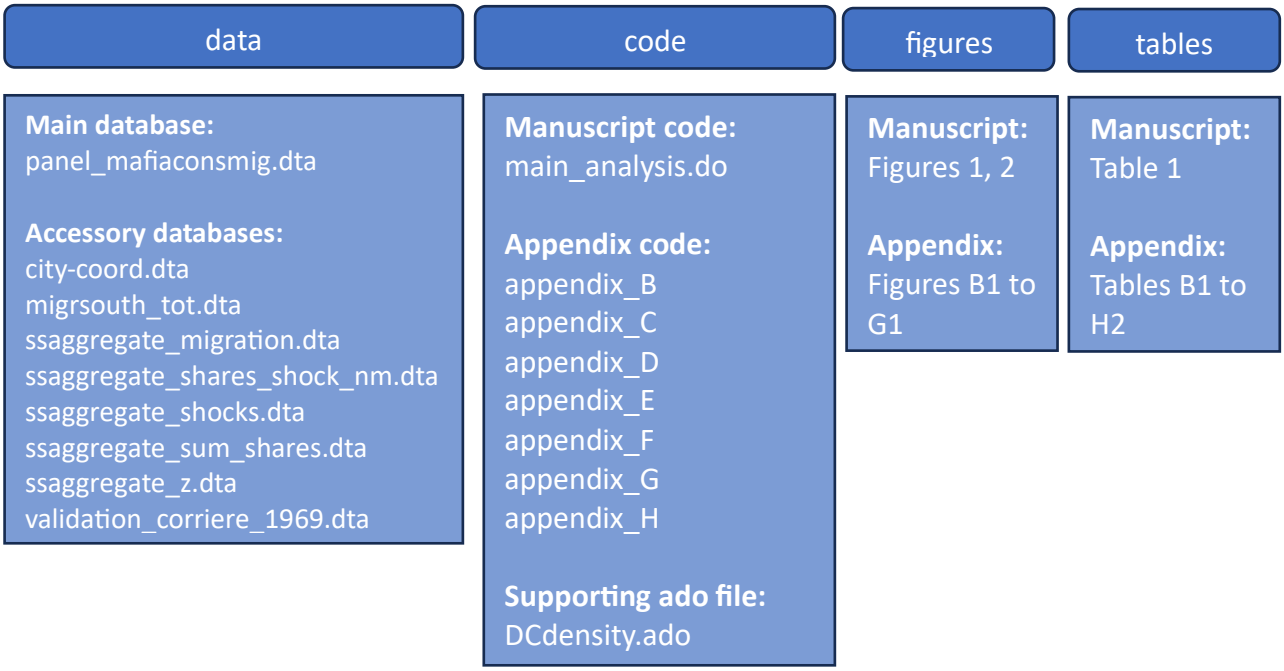
Structure of the folder



The analysis is conducted using Stata 17.

Datasets

This section briefly describes each database included in the folder. The full codebook for each database is included at the end of the document.

panel_mafiaconsmig.dta: main database for all the analysis, including Italian municipal level data at the decade level from 1951 to 1991. It includes data on mafia presence, construction employment, migration from the south, instruments for construction and migration, as well as other census covariates.

city-coord.dta: database including municipality unique identifier, as well as latitude and longitude for the sake of mapping the data.

migrsouth_tot.dta: includes the total number of migrants from the south to the center-north of Italy in each decade from 1955 onwards.

ssaggregate_*.dta: supporting databases which are needed to implement the quasi-experimental shift-share (Bartik) designs via shock-level IV regressions as in Borusyak, Hull, and Jaravel (2019).

validation_corriere_1969.dta: database including news related to mafias in Corriere and La Stampa in year 1969, together with municipal socio-demographic characteristics from Census.

Code

main_analyses.do: The code replicating the figures and tables in the manuscript. This file includes also a line to set the working directory, as well as a series of commands to install packages used in the rest of the code.

appendix_*.do: Series of codes replicating the tables and figures contained in the respective appendices.

The output of all dofiles goes to the two folders figures/ and tables/

DcDensity.ado: ado file needed to produce the McCrary plot. The package is not anymore available on a website and needs to be ran from the machine to be able to use the command.

Codebook

panel_mafiaconsmig.dta

variable name	description
cod_reg	Region code (Istat)
cod_prov	Province code (Istat)
cod_com	Municipality code (Istat)
municipalities	Municipality code (generated)
comune	Municipality name (Istat)
id	Municipality identifier (shapefile)
latitude	Latitude
longitude	Longitude
x_cc	x-coordinate of area centroid
y_cc	y-coordinate of area centroid
iddecade	Decade code
decade	Decade label

dec2	Dummy for decade 1961
dec3	Dummy for decade 1971
news	Number of mafia related news in a municipality-decade
newspc	Population share of mafia related news in a municipality-decade
newslasso	Mafia related news selected by a lasso procedure as predictive of mafia presence
newsrforest	Mafia related news selected by a random forest procedure as predictive of mafia presence
newspc_c	Mafia related news assuming continuous mafia presence
newsestseq	News related to mafia crimes only
news_winsor	Number of mafia related news in a municipality-decade, winsorized
news_lag	Number of mafia related news in a municipality-decade, lagged
mafiamean_any	Mean number of any mafia indicator in a municipality
emp_c	Number of employed in construction in a municipality-decade
empci51	Construction Employment in 1951 as population 1951 share (Istat)
empcp	Construction Employment as population 1951 share (Istat)
zempcp	Construction Employment as population 1951 share, zscore (Istat)
zempcp_commerce	Commerce Employment as population 1951 share, zscore (Istat)
zempcp_mechanic	Car Manufacturing and Petrolchemistry Employment population 1951 share, zscore (Istat)
zempcp_highskill	High-skilled Employment as population 1951 share, zscore (Istat)
ssc	Instrument for Construction Employment
zssc	Instrument for Construction Employment, zscore
firm_c	Number of firms in the construction industry in a municipality-decade
zfirmpc	Share of firms per capita, zscore (Istat)
zsscf	Instrument for share of firms (Bartik)
zssc_wlo	Instrument for Construction Employment without leave out, zscore
zssc_traditional	Bartik instrument for employment
change20	Change in number of employed in construction from 1951 to 1971
change20s	Change in share of employed in construction from 1951 to 1971
change20_1981	Change in share of employed in construction from 1951 to 1981
change_emp_cshare	Change in share employed in construction over time
pop1871	Municipal population in 1871
above10k	Dummy for cities subject to the regulatory plan
above10k_sure	Dummy for cities subject to the regulatory plan, verified by other documents
running	Running variable (population in 1871 minus 10,000)
Mdsouth55	Number of migrants from the south in a municipality in 1955
migshare	Migration from the South as population 1951 share

zmigshare	Migration from the South as population 1951 share, zscore
zmigshare_abruzzo	Migration from the South as population 1951 share, removing abruzzo, zscore
zmigsharenorth	Migration from the North as population 1951 share, zscore
zmigshare_mafia	Migration from mafia-affected provinces as population 1951 share, zsco
ssmig	Instrument for Migration from the South
zssmig	Instrument for Migration from the South, zscore
zmigshare_currentpop	Migration from the South as population 1961-71 share, zscore
zssmig_rob	Migration from the South as population 1961-71 share, instrumented with drought severity, zscore
zssmig_wlo	Instrument for Migration from the South without leave out, zscore
zssmig_abruzzo	Instrument for Migration from the South removing Abruzzo, zscore
zssmignorth	Instrument for Migration from the North, zscore
zssmig_mafia	Instrument for Migration from mafia affected provinces, zscore
em	Interaction Construction and Migration
zem	Interaction Construction and Migration, zscore
zem_currentpop	Interaction Construction and Migration normalized by population 1961-71, zscore
zemnorth	Interaction Construction and Migration from the North, zscore
zem_mafia	Interaction Construction and Migration from mafia affected provinces, zscore
zem_commerce	Interaction Employment in Commerce and Migration, zscore
zem_mechanic	Interaction Employment in Manufacturing and Petrolchemistry and Migration, zscore
zem_highskill	Interaction Employment in High-skilled sectors and Migration, zscore
zef	Interaction Firms in Construction and Migration, zscore
ss	Instrument for the Interaction Construction and Migration
zss	Instrument for the Interaction Construction and Migration, zscore
zssf	Interaction firms and migration from the south, zscore
zss_rob	Interaction firms and migration from the south instrumented with drought severity, zscore
zss_wloc	Interaction of construction and migration, without leave out for construction, zscore
zss_wlo2	Interaction of construction and migration, without leave out for construction and migration, zscore
zem_abruzzo	Interaction of construction and migration, removing Abruzzo, zscore
zssnorth	Interaction of construction and migration from the North, zscore
zss_mafia	Interaction of construction and migration from mafia-affected provinces, zscore
zss_traditional	Interaction of bartik instrument and migration from the south, zscore
ipop	Interaction dummy for regulatory plan adoption and time indicators

ce_pop	Population residing in the municipality (Census)
lnpop	Log population residing in the municipality, zscore (Census)
z_ce_poppre	Population residing in the municipality, zscore (Census)
ce_familysize	Family size (Census)
ce_popdens	Population density (Census)
z_ce_familysizepre	Family size 1951, zscore (Census)
ce_analph	Analphabetism (Census)
ce_degree	Population with bachelor (Census)
z_ce_analphpre	Analphabetism 1951, zscore (Census)
ce_genderdiffeduc	Gender Diff in Education (Census)
z_ce_genderdiffeducpre	Gender Diff in Education 1951, zscore (Census)
z_ce_emp_pcFpre	Female Employment 1951, zscore (Census)
ce_emp1	Employment Agriculture (Census)
z_ce_emp1pre	Employment Agriculture 1951, zscore (Census)
ce_emp2	Employment Industry (Census)
z_ce_emp2pre	Employment Industry 1951, zscore (Census)
z_emppc_pre	Construction Employment 1951, zscore (Census)
ce_emp3	Employment Services (Census)
z_ce_emp3pre	Employment Services 1951, zscore (Census)
ce_emp4	Employment Commerce (Census)
z_ce_emp4pre	Employment Commerce 1951, zscore (Census)
ce_empF2	Female Employment (Census)
z_ce_vecchiai~e	Share Elderly, zscore (Census)
ce_elderlydep	Elderly Dependency (Census)
z_ce_elderlydeppre	Elderly Dependency 1951, zscore (Census)
ce_youngdep	Young Dependency (Census)
z_ce_youngdeppre	Young Dependency 1951, zscore (Census)
z_ce_ratioMpre	Ratio Males over Females 1951, zscore (Census)
ce_services	House with services (Census)
z_ce_services~e	House with services 1951, zscore (Census)
ce_propertyhouse	Property houses (Census)
z_ce_nopropertyhousepre	Property houses 1951, zscore (Census)
z_ce_inhabperroompre	Inhabitants per room 1951, zscore (Census)
z_ce_lackservicespre	Lack Services 1951, zscore (Census)
confinati	Number of resettled mafia members in the north in a province

city_coord.dta	
variable name	**description**
_ID	Municipality unique identifier
_X	Coordinates (latitude)
_Y	Coordinates (longitude)
migrsouth_tot.dta	
variable name	**description**
year	Year
p1p2	Number of southern migrants going to the north
ssaggregate_migration.dta	
variable name	**description**
province	Province
decade	Decade
newspc	Mafia related news as a share of the population
migshare	Share of migrants from the south living in the north
ssmig	Instrument for the share of migrants from the south living in the north
dec2	Indicator for decade 1961
dec3	Indicator for decade 1971
lagmigshare	Lag of the share of migrants from the south living in the north
ssaggregate_shares_shock_nm.dta	
variable name	**description**
province	Province of destination of migrants
province_origin	Province of origin of migrants
decade	Decade
drought_max01	Measure of drought severity
share_odt0	Share of migrants of origin O going to destination D at time zero (1955)
ssaggregate_shocks.dta	
variable name	**description**

province_origin	Province of origin of migrants
decade	Decade
drought_max01	Measure of drought severity
ssaggregate_sum_shares.dta	
variable name	**description**
province	Province
decade	Decade
sum_shares	Sum of the shares of migrants
ssaggregate_z.dta	
variable name	**description**
province	Province
decade	Decade
z	Shift-share instrument for migration
validation_corriere_1969.dta	
variable name	**description**
PRO_COM	Unique municipality identifier
instampa_orcorriere	Dummy for news present in La Stampa or in Il Corriere
instampa_notcorriere	Dummy for news present in La Stampa but not in Il Corriere
n_corriere	Number of news related to mafias present in Il Corriere
n_lastampa	Number of news related to mafias present in La Stampa
z_ce_poppre	Population residing in a municipality in 1951, zscore (Census)
z_ce_familysizepre	Family size in 1951, zscore (Census)
z_ce_analphpre	Analphabetism in 1951, zscore (Census)
z_ce_genderdi~e	Gender Differences in Education in 1951, zscore (Census)
z_ce_emp_pcFpre	Female Employment in 1951, zscore (Census)
z_ce_emp1pre	Employment in Agriculture in 1951, zscore (Census)
z_ce_emp2pre	Employment in Industry in 1951, zscore (Census)
z_emppc_pre	Construction Employment in 1951, zscore (Census)
z_ce_emp3pre	Empl Services in 1951, zscore (Census)
z_ce_emp4pre	Empl Commerce in 1951, zscore (Census)
z_ce_vecchiaipre	Share Elderly in 1951, zscore (Census)

z_ce_elderlydeppre	Elderly Depend in 1951, zscore (Census)
z_ce_youngdeppre	Young Depend in 1951, zscore (Census)
z_ce_ratioMpre	Ratio Males in 1951, zscore (Census)
z_ce_servicespre	House w services in 1951, zscore (Census)
z_ce_nopropertiespre	Property houses in 1951, zscore (Census)
z_ce_inhabperroompre	Inhabitant per room in 1951, zscore (Census)
z_ce_lackservicespre	Lack Services in 1951, zscore (Census)
z_Mdsouth55	Southern Migrants in 1951, zscore (Census)
zempcp	Employment in Construction per capita
zmigshare	Migration from the South per capita
zem	Emp Constr x Migr South
zssmig	Instrument for Migration from the south
zssc	Instrument for Construction Employment
zss	Instrument Constr x Instrument Migr South
id	Unique municipality identifier (shapefile)
x_cc	x-coordinate of area centroid
y_cc	y-coordinate of area centroid
d_lastampa	Dummy for news present in La Stampa
d_corriere	Dummy for news present in Il Corriere

Contact

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