The Economic Costs of Organized Crime: Evidence from Southern Italy
REPLICATION FILES – README

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Description of the dataset

The file dataset.dta contains panel data on GDP per capita, criminal activity, and other socio-economic indicators for the 20 Italian regions plus 4 macro areas defined as follows: regions with a more recent presence of mafia organizations, regions with an historical presence of mafia organizations, other regions in southern Italy, and regions in the centre-north. A numeric code, REG, as well as a short label, REGION, are used to identify each geographical unit. Table 1 below shows the complete list of regions and macro areas:

Table 1: regions included in the dataset

reg	Region or macro area	full name of regions and definition of macro areas
1	PIE	Piedmont
2	VDA	Aosta Valley
3	LOM	Lombardy
4	TAA	Trentino Alto Adige
5	VEN	Veneto
6	FVG	Friuli Venezia Giulia
7	LIG	Liguria
8	EMR	Emilia Romagna
9	TOS	Tuscany
10	UMB	Umbria
11	MAR	Marche
12	LAZ	Lazio
13	ABR	Abruzzo
14	MOL	Molise
15	CAM	Campania
16	PUG	Apulia
17	BAS	Basilicata
18	CAL	Calabria
19	SIC	Sicily
20	SAR	Sardinia
21	NEW	Recent mafia presence: Apulia and Basilicata
22	HIS	Historical mafia presence: Sicily, Campania, and Calabria
23	STH	Rest of South: Abruzzo, Molise, and Sardinia
24	NTH	Centre-North: Piedmont, Aosta Valley, Lombardy, Trentino Alto Adige, Veneto, Friuli Venezia Giulia, Liguria, Emilia Romagna, Tuscany, Umbria, Marche, Lazio
25	OTH	All regions in STH and NTH

The dataset is organized as a panel by region (or macro area) and year. The sample period ranges between year 1951 and 2007, however most variables are available only for a sub-period. The following Table 2 provides the name of each variable that is present in the dataset, the period over which it is available, the source, and a short description.

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The source of all economic variables is the database on Italian regions provided by the Centre for North-South Economic Research, CRENOS (http://crenos.unica.it/crenos/databases); the series on population and GDP have been updated to the last available years using the regional economic accounts provided by the Italian National Statistical Institute, ISTAT (http://en.istat.it/conti/territoriali/). ISTAT also provides the data on criminal activity, through its "Statistiche Giudiziarie Penali". Finally, historical data on electricity consumption at the regional-level are available from the electricity transmission grid Terna (http://www.terna.it/default/Home/SISTEMA_ELETTRICO/statistiche.aspx).

Table 2: variables present in the dataset

Variable	availability	Source	Description
reg	1951-2007		region code (numeric)
region	1951-2007		region label
year	1951-2007		
gdppercap	1951-2007	Crenos & Istat	GDP per capita, Euros at 1990 constant prices
pop	1951-2007	Crenos & Istat	population
gdp	1951-2007	Crenos & Istat	GDP, Euros at 1990 constant prices
vatot	1960-2004	Crenos	Value added, Euros at 1990 constant prices
vaag	1960-2004	Crenos	Value added in agriculture, Euros at 1990 constant prices
vain	1960-2004	Crenos	Value added in industry, Euros at 1990 constant prices
vams	1960-2004	Crenos	Value added in market services, Euros at 1990 constant prices
vanms	1960-2004	Crenos	Value added in non-market services, Euros at 1990 constant prices
shvain	1960-2004	Crenos	share of value added in industry
shvaag	1960-2004	Crenos	share of value added in agriculture
shvams	1960-2004	Crenos	share of value added in market services
shvanms	1960-2004	Crenos	share of value added in non-market services
inv	1960-2004	Crenos	Gross fixed investment, Euros at 1990 constant prices
invrate	1960-2004	Crenos	investment over GDP
invprate	1960-2004	Crenos	private investment over GDP
k	1970-1994	Crenos	capital stock, Euros at 1990 constant prices
kpr	1970-1994	Crenos	private capital stock, Euros at 1990 constant prices
kpu	1970-1994	Crenos	public capital stock, Euros at 1990 constant prices
l	1951-2004	Crenos	Units of Labour
lpr	1951-2004	Crenos	Units of Labour, private sector
lpu	1951-2004	Crenos	Units of Labour, public sector
secsc	1960-1996	Crenos	Number of registered in high school, in scolastic year
secpop	1960-1990	Crenos	Population in age class 15-19 at 1 January
shskill	1960-1990	Crenos	share of population 18+ with secondary education
kwpop	1951-2007	Terna	electricity consumption (kilowatt-hour per capita)
area	1951-2007	Istat	land area
density	1951-2007	Istat	population density (people per square kilometre)
mafia	1984-2007	Istat	mafia organization (art. 416 bis) X 100,000 inhabitants
murd	1956-2007	Istat	murders X 100,000 inhabitants
robkidext	1956-2007	Istat	robberies, kidnappings, and extortions X 100,000 inhabitants
ext	1975-2007	Istat	extortions X 100,000 inhabitants
fire	1975-2007	Istat	arsons X 100,000 inhabitants
kidnap	1975-2007	Istat	kidnappings X 100,000 inhabitants
rob	1975-2007	Istat	robberies X 100,000 inhabitants
smug	1983-2007	Istat	smuggling X 100,000 inhabitants
drug	1975-2007	Istat	drug-related crimes X 100,000 inhabitants
theft	1956-2007	Istat	thefts X 100,000 inhabitants
orgcrime	1975-2007	Istat	non-mafia criminal organization (art. 416 bis) X 100,000 inhabitants

Replication of figures and tables

The file figures_and_tables.do produces all figures and tables, which will be stored in the sub-folder "results". The package synth.ado, available from http://ideas.repec.org/c/boc/bocode/s457334.html, needs to be preliminarily installed in Stata (simply type "ssc install synth").