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# Federico Fabio Frattini

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I am a PhD candidate in Economics at Trinity College Dublin, where I am working on research projects related to political economics and the economics of crime, with an applied-micro approach and a focus on causal inference. I am also passionate about coding, programming languages and statistical software. I am curious, a hard worker, with an analytical mindset prone to problem-solving. I am based in Dublin but I am planning to relocate to Italy.

## Education

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**Ph.D., Economics**, Trinity College Dublin, *September 2018-(Expected) September 2022*

Thesis title: "Essays in Political Economics"

Supervisor: Nicola Mastrorocco

**M.Sc., Economics**, Università Cattolica del Sacro Cuore, *2015-2017*

Supervisor: Massimo Bordignon

**B.Sc., Economics and Management**, Università Cattolica del Sacro Cuore, *2011-2015*

Supervisor: Salvatore Piccolo

## Work Experience

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**Trinity College Dublin**, *September 2018 -(Expected) September 2022*

- *Guest lecturer:*

- Workshop in Big Data and Machine Learning (M.Sc., Ph.D.) at *Maynooth University*, *Spring 2022*.

- *Teaching Assistant:*

- Introduction to Microeconomics (M.Sc.), *Fall 2021*. • Topics in Political Economy (M.Sc.), *Fall 2019, 2020*.
- Development Economics (M.Sc.), *Spring 2020*. • Emergence of Macroeconomic Policy (M.Sc.), *Spring 2020*.
- Long Run Development (M.Sc.), *Fall 2019*. • Introduction to Economic Policy A/B (B.Sc.), *2018-2019*.

- *Research Assistant*.

**SAS**, *May 2018 - August 2018*

- *Training Analytical Consultant*: Organizing and delivering classes on SAS Base programming language.

## Skills, Technologies and Languages

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### Research Skills:

- Data management. • Data scraping. • Data visualization. • Micro-Econometrics. Causal inference. • Machine Learning.

### Soft Skills:

- Critical thinking. • Problem solving. • Detail-oriented. • Independent/team-work. • Good communication. • Project management.

**Software:** STATA (fluent), Python, R (intermediate), SQL, QGIS, SAS, Office (basic).

**Languages:** Italian (native), English (fluent).

## Research Projects

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**Setting an example: political leaders' cues and health behavior in the early stages of the COVID-19 pandemic in Mexico**, with Bruno Morando and Luciano Ayala, *Latin American Policy* (2021)

- How do political leaders' cues affect citizen behavior regarding a new and complex issue?
- We combine local electoral and mobility data within the context of Mexico in the early stages of the Covid-19 pandemic.
- We exploit an event-study type of analysis. Citizens' geographic mobility in pro-government municipalities was higher than in cities where support for the president was less strong.

- Our results are driven by cities with higher TV and internet penetration.

## Simultaneous elections and electoral outcomes: evidence from Italy

- I Investigate the impact that same day national-local elections have on the local electoral stage.
- I employ a difference-in-differences estimation design, comparing same-day and not same-day election, within the Italian context. Voters' participation, political participation and competition increase. Right local parties gain in term of local votes share.
- I then focus just on same day national-local elections only. A relevant % of municipalities prefers left (right) at the local level and right(left) at the national one. Voters behave as such to balance government's levels to then have balanced policies.

## Organised crime, public procurement and firms, with *Decio Coviello* and *Nicola Mastrorocco*

- What is the impact of criminal organisations on the legal economy?
- We employ a difference-in-differences estimation design within the South-Italian setting. We exploit the staggered enforcement of a law that allows the national government to dissolve Mafia-colluded local governments.
- We combine highly detailed public procurement and firms balance sheet data.
- Cities colluded with the Mafia exhibit lower rebates and higher discretionary selection procedures. The results vary depending on the macro-procurement category considered and the party affiliation of the local colluded government.
- Firms that win public contracts in cities colluded with the Mafia exhibit higher profits.

## Social capital and the power of mafia, with *Francesca Calamunci*

- What is the long-term effect of organized crime presence on social capital?
- We collect contemporary data that proxy for social capital, and historical measures of Mafia presence. We inspect two scenarios within the Italian landscape.
- First, we focus on the island of Sicily. We run linear and instrumental variable regressions. We find that the long-term exposure to the Mafia decreases the development of social capital.
- Second, we focus on the centre-north regions of Italy. We exploit a law that forced Mafia members to resettle in this macro-area. We find a set of mixed result that need further understanding.

## Organised crime and human capital, within-city evidence from Italy

- What is the effect of organised crime on human capital?
- I investigate this question in the Italian setting, focusing on a set of cities with high prevalence of organised crime.
- I exploit OCR to measure from the DIA's maps the presence and the names of the gangs within this set of cities.
- I plan to exploit text analysis to re-construct the traditional presence of these gangs, as well as the level of competition within a district of a city.
- I plan to combine this novel dataset with human capital data from INVALSI, and estimate a difference-in-differences model. Preliminary Results coming soon!

## Awards and Fellowships

**Economics Department Scholarship**, Trinity College Dublin, *2018-2020*

**2020 Government of Ireland Postgraduate Scholarship**, Irish Research Council, *2020-present*

## Interests

Sports, with a particular interest on basketball and football. Travelling, videogames and playing guitar.

## References

[Prof. Nicola Mastrorocco](#) (supervisor)  
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Trinity College Dublin  
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[Prof. Gaia Narciso](#)  
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