# ADRIANO AMATI

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 adriano-amati |  adrnmt95

## EXPERIENCE

### Postdoctoral Researcher
*03/2026 - Present*

*International Relations and Data Science (IRDS) Group*
ETH Zürich, Switzerland

◦ Research on organized violence, norm diffusion, civilian agency, and gender-based violence using computational methods, causal inference, and fieldwork

◦ Website: https://irds.ethz.ch/research.html

### Ph.D. in Economics
*09/2022 - 02/2026*

*Department of Economics*
Ca' Foscari University of Venice, Italy

◦ **Thesis:** "Essays on Political Economy: Elections, Conflict & Organized Crime"

◦ **Research Topics:** Political Economy, Conflict, Crime, Voting, Causal Inference, Policy Evaluation, Network Econometrics, Machine Learning, Natural Language Processing, Deep Learning, Large Language Models

◦ **Teaching**: Causal Machine Learning (Lecturer, PhD), Microeconomics TA (Bachelor), Macroeconomics TA (Bachelor), Probability Theory and Statistics TA (PhD), "Economics of Risk and Agent Behavior" (Master)

◦ Supervisors: professors M. Di Cataldo and A. Brugiavini

### Visiting Researcher
*09/2024 - 07/2025*

*Center for Law, Data Science and Economics*
ETH Zürich, Switzerland

◦ Visiting Ph.D. at ETH Zürich's Center for Law and Economics (professor Elliott Ash research group)

◦ Worked on projects on political economy, voting, and text-as-data methods

◦ Ongoing research projects on fine-tuning Large Language Models (LLMs) for post-OCR correction of the US Congressional Record and on ideal point estimation using Graph Neural Networks (GNNs)

### Research Assistant
*04/2021 - 09/2022*

*RA for professor G. Mastrobuoni (AI4MUSE Project)*
Univerisity of Turin, Italy

◦ Developed AI models and Machine Learning algorithms to forecast the number of visitors in museums and cultural sites participating to the AI4MUSE project in real time

◦ Developed research in network econometrics to analyse peer effects in cultural consumption for museum card-holders

◦ Worked in outreach and communication activities for the AI4MUSE project, website and social media management

◦ Liaised with museums' administrators and curators to collect data and develop the project

### Trainee
*10/2020 - 03/2021*

*SG-ECON*
European Investment Bank, Luxembourg

◦ Worked both in the context of productivity and firm level data (A. Brasili), Energy Economics and Climate Change (F. Kalantzis)

◦ Management of very large firm-level datasets, data collection and cleaning, web-scraping, data visualization, model validation, literature reviews, statistical and econometric analysis

## EDUCATION

### Collegio Carlo Alberto
*09/2019 - 06/2020*
*M.A. Economics*
Turin, Italy
◦ Relevant courses: Advanced Microeconomics, Advanced Game Theory, Macroeconometrics

### Barcelona Graduate School of Economics
*09/2018 - 07/2019*
*M.Sc. in International Trade, Finance and Development*
Barcelona, Spain
◦ Thesis: "Going West: an Analysis on Migration Patterns and Its Determinants"
◦ Relevant courses: Economic Growth and Development, International Trade and Finance

### Maastricht University
*09/2014 - 06/2017*
*Bachelor in Economics & Business Economics*
Maastricht, The Netherlands
◦ Thesis: "Trust, Herding Behavior and Financial Instability"
◦ Relevant courses: Microeconomics, Game Theory, Public Economics, Corporate Finance, Econometrics
◦ Erasmus Grant: Universidade Nova de Lisboa

## PUBLICATIONS & WORKING PAPERS

**[W]** "One Person, One Vote: The Effect of Direct Elections on US Senators", with S. Galletta. Available at SSRN (2025)

**[W]** "Political Shocks, Extremism and Violence: Evidence from the West Bank".

**[W]** "Organized Crime and the Legal Economy: a Network Approach", with M. Billio, M. Di Cataldo, G. Mastrobuoni.

**[W]** "Together is Better: Peer Effects in Leisure Activities", with P. Accardo, G. Mastrobuoni

**[R]** European Investment Bank. (2021). Chapter 5. In *EIB Investment Report 2020/2021: Building a smart and Green Europe in the COVID-19 ERA*.

**[R]** Amati A., Dominguez S., Kalantzis F., (2021), "European firms and climate change 2020/2021", European Investment Bank

## ONGOING PROJECTS

**LLM Finetuning for Post OCR-Correction of the US Congressional Record**
*With S. Galletta and E. Ash (ETH Zürich)*
**Ideal Point Model: a GNN Approach**
*With A. Hoyle (ETH Zürich)*

## CONFERENCES

SIEP, Verona (September 2023); Ca' Foscari University of Venice (November 2023); EUI Econometrics Working Group, Florence (January 2024); ECPS, Vienna (April 2024); Ph.D Day, Venice (June 2024); Collegio Carlo Alberto, Turin (December 2024); Brownbag Seminar, ETH Zürich (April 2025); Monash-Paris-Warwick-Zürich Text-as-Data Workshop (April 2025); SiDE ICEEE Conference Palermo (May 2025); EEA Conference, Bordeaux (August 2025)

## SKILLS

- **Languages:** Italian (Native), English (Fluent), Spanish (Advanced), Portuguese (Basic User)
- **Programming:** Python (Excellent), Stata (Excellent), Latex (Excellent), R (Good), ArcGIS Pro (Good), QGIS (Good), Bash (Good), JavaScript(Basic User), MatLab (Basic User), HTML (Basic User)

## ADDITIONAL INFORMATION

**Interests:** Advanced Music Skills (Music Theory, Harmony, Advanced Guitar Player), Cinema, Literature, Politics