

MATILDE PENNA

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EDUCATION

Master of Economics and Econometrics (L-56), University of Bologna Sep 2021-Dec 2023

- Dissertation title: “Is Uncertainty exogenous or endogenous? New evidence from changes in volatility and external instruments”
- Econometrics track
- Advanced econometric techniques and quantitative methods used in Macroeconomics and Microeconomics
- Weekly time-constrained assignments
- Language of instruction: English

Bachelor of Business and Economics (L-18), University of Bologna Sep 2018-Jul 2021

- Dissertation title: “Board heterogeneity: how does gender diversity impact the firm?”
- First year in Buenos Aires
- Language of instruction: English
- Electives: Econometrics, 300hrs Internship

Bachelor of Industrial Engineering (L-9), University of Bologna Sep 2013 - Jul 2017

Not concluded

Exams taken: Mathematical Analysis, Geometry and Algebra, Applied Mathematics, Laboratory of Management, Industrial Systems (Module B)

DATA ANALYSIS

R. PCA, Factor Analysis, Cluster Analysis, Discriminant Analysis, VAR, Text Analysis

Stata. First-difference, Fixed Effects, Random Effects, Cross-Section and Advanced Panel Data Methods

Matlab. Time-Series Analysis (VAR, SVAR models)

Gretl. VAR-SVAR models

Excel.

L^AT_EX.

ACADEMIC PROJECTS

- “*Does climate change news affect uncertainty in financial markets? A text analysis approach*” (R - Jan 2023): extracting a new variable to be used as an indicator for climate change communication and economic applications (PCR and VAR models).
- “*Are financial and macroeconomic uncertainty exogenous drivers of the business cycle?*” (Matlab - Feb 2023): addressing the exogeneity/endogeneity of uncertainty and re-verse causality with business cycle fluctuations by using a proxy-SVAR methodology, and the Classical Minimum Distance (CMD) estimation approach.

LANGUAGES

Italian, mother tongue

English, fluent

Spanish, good

EXPERIENCE

TA - Macroeconomics

University of Bologna - Department of Management

Jan-Sep 2023

Bologna, IT

- 20 hrs
- Management and Marketing Bachelor's Degree
- Leading professor: Matteo Barigozzi (matteo.barigozzi@unibo.it)
- Assisting the professor in the preparation, supervision and correction of the exams

RA - Macroeconometrics

University of Bologna - Department of Economics

Jul-Sep 2022

Bologna, IT

- 150 hrs
- Supervisor: Luca Fanelli (luca.fanelli@unibo.it)
- Literature review of the relationship between uncertainty (macro, financial, political) and business cycle, and how to measure economic uncertainty.

TA - Statistical Methods and Data Mining

University of Bologna - Department of Agricultural and Food Sciences

Dec 2021-Jan 2022

Bologna, IT

- 20 hrs
- Marketing and Economics of the Agro-Industrial System Bachelor's Degree
- Leading professor: Giuseppe Palladino (giuseppe.palladino@unibo.it)
- Assisting and tutoring students for both the theoretical part and the applied work (on Excel).

Market Research and Business Intelligence Analyst

Systech s.r.l.

Aug-Dec 2020

Bologna, IT

- 300 hrs curricular internship
- Data analysis related to innovation and improvement of IoT devices

Receptionist

Crossfit Zola Predosa

Apr-Nov 2018

Bologna, IT

OTHER EXPERIENCE

Private lessons

2017 -

- Tutoring high-school students in Maths and Spanish
- Tutoring undergraduate students in Maths and Statistics

P&G CEO CHALLENGE

Marketing course in the Bachelor's: teamwork activity focused on a marketing research, whose aim was understanding ways to attract Gen Z consumers

Sep-Dec 2019

Course of Spanish in Madrid

Feb-Mar 2018

Course preparatory for SAT

Score 1200

Sep-Nov 2017

English Summer School at Eton College

Windsor, UK

Jul 2010

English Summer School at Queen Mary University

London, UK

Jul 2009

Competitive Swimming

1998 - 2012

Oldest of 5 Siblings

PRIVACY

I authorize the treatment of my personal data according to the local law.