Diletta Abbonato

Curriculum Vitae

Personal Information

Department of Culture, Politics and Society (CPS), University of Turin

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Personal pages:

○ LinkedIN: `https://www.linkedin.com/in/dilettaabbonato/`

○ ResearchGate: `https://www.researchgate.net/profile/Diletta-Abbonato-2`

○ ORCID: `0000-0002-6275-8787`

Current Position

08/2025– Present
Postdoctoral Researcher, *Dipartimento di Culture, Politica e Società, Università di Torino*, Turin, Italy
○ **Project**: "Science technology relationships in the development of AI in the health sector"
○ **Supervisor**: Prof. Aldo Geuna

Research Experience

03/2024– 07/2025
Postdoctoral Researcher, *Dipartimento di Economia, Metodi Quantitativi e Strategie di Impresa (DEMS), Università degli studi di Milano-Bicocca*, Milan, Italy
○ **Project**: "The development and diffusion of data-driven innovation: effects at firm and sector level"
○ **Supervisor**: Prof. Marco Guerzoni

06-09/2024
Research Fellowship, *Dipartimento di Economia, Metodi Quantitativi e Strategie di Impresa (DEMS), Università degli studi di Milano-Bicocca*, Milan, Italy
○ **Project**: "Big Data Platform for the tertiary sector"
○ **Supervisors**: Dr. Francesco Trentini, Dr. Carlo Bottai

04–07/2023
Visiting Researcher, *Universität Bremen*, Bremen, Germany
○ Supervisor: Dr. Jessica Birkholz

03–07/2020
Intern, *Bureau d'Économie Théorique et Appliquée (BETA) UMR 7522, Université de Strasbourg*, Strasbourg, France
○ **Project**: Collection, integration, and analysis of patents with implementation of social network analysis algorithms using R
○ **Supervisors**: Prof. Patrick Llerena, Dr. Antoine Port

05–08/2020 **Research Fellowship**, *Dipartimento di ingegneria Informatica, Automatica e Gestionale (DIAG), Università di Roma-La Sapienza*, Rome, Italy
- ○ **Project**: Support in preparing a data quality package for educational and research data using R
- ○ **Supervisor**: Prof. Cinzia Daraio

Research Areas

Innovation and Macroeconomic Dynamics: Growth and inequalities; technical changes; productivity analysis; impact of artificial intelligence on growth and inequalities.

Industrial Dynamics: Innovation and technological diffusion; artificial intelligence; interdisciplinarity in sciences; economic and social impact of digital technologies.

Econometrics: Panel data econometrics; time series econometrics; applied economics; unstructured data analysis and web scraping; econometric models for studying technological innovation.

Teaching Experience

03/2025– **Economics for Data Science** for the Master's in Data Science, Tutor Type A: 09/2025 associated with curricular activities of the course Big Data in Economics, *University of Milan-Bicocca*, Milan, Italy, *10h*

02/2025 **Transformer Neural Network** for second-year Master's in Data Science for Economics and Business, Faculty of Economic and Management Sciences, *Université de Strasbourg*, Strasbourg, France, *10h*

02/2025 **Unsupervised Learning** for second-year Master's in Data Science for Economics and Business, Faculty of Economic and Management Sciences, *Université de Strasbourg*, Strasbourg, France, *10h*

09/2024- **Advanced Programming and Data Visualization** for second-year Master's in Data 01/2025 Science for Economics and Business, Faculty of Economic and Management Sciences, *Université de Strasbourg*, Strasbourg, France, *12h*

11/07/2024 **Transformers and data-driven innovation: an introduction** for second-year Master's in Data Science and Statistics, *Università degli studi di Milano-Bicocca*, Milan, Italy, *2h*

2022/2023 **Unsupervised Learning** for second-year Master's in Data Science for Economics and Business, Faculty of Economic and Management Sciences, *Université de Strasbourg*, Strasbourg, France, *24h*

10/2022 **Transformer Neural Networks** for second-year Master's in Data Science for Economics and Business, Faculty of Economic and Management Sciences, *Université de Strasbourg*, Strasbourg, France, *12h*

04/2022 **Machine Learning Laboratory** for second-year Master's in Data Science for Economics and Business, Faculty of Economic and Management Sciences, *Université de Strasbourg*, Strasbourg, France, *12h*

Education

2020–2024 **Ph.D. in Economics**, *Bureau d'Économie Théorique et Appliquée (BETA) UMR 7522, Université de Strasbourg*, Strasbourg, France
- ○ **Thesis**: The role of Artificial Intelligence for societal challenges (link)
- ○ **Project**: Sustainable Economies in the Era of Digital transformation (SEED, ANR-22-CE26-0013)
- ○ Funded by a full doctoral fellowship from the Centre National de la Recherche Scientifique (CNRS)
- ○ **Supervisors**: Prof. Patrick Llerena, Prof. Stefano Bianchini
- ○ **Jury Members**: Prof. Cinzia Daraio, Prof. Björn Jindra, Prof. Lili Wang, Prof. André Lorentz

2018–2020 **M.Sc. in Data Science**, *Facoltà di Ingegneria dell'Informazione, Informatica e Statistica (i3s), Università di Roma-La Sapienza*, Rome, Italy
- ○ **Thesis**: Public-Private relationships through patent analysis
- ○ **Supervisors**: Prof. Cinzia Daraio, Prof. Patrick Llerena, Dr. Antoine Port

2015–2018 **B.Sc. in Statistics for Management**, *Facoltà di Ingegneria dell'Informazione, Informatica e Statistica (i3s), Università di Roma-La Sapienza*, Rome, Italy
- ○ **Thesis**: Twitter analysis, model and application
- ○ **Supervisor**: Prof. Paolo Dell'Olmo

Professional Experience

09/2024–
01/2025 **Individual Consultant**, *Head of Ethics of AI Unit, Assistant Director-General for Social and Human Sciences Sector (ADG/SHS), UNESCO*
- ○ **Project**: Report on artificial intelligence market trends.
- ○ **Supervisor**: Prof. Roman Jurowetzki

01–09/2020 **Librarian**, Department of Computer Science, *Università di Roma-La Sapienza*, Rome, Italy

01–02/2019 **Data Analyst**, *Sant'Eugenio Hospital*, Rome, Italy
- ○ **Project**: Quantitative analysis of a survey conducted among nursing students to evaluate their perceptions and the role of their clinical mentors.

Publications

Published Papers in Peer-Reviewed Journals

[PR1] Abbonato, D., Bianchini, S., Gargiulo, F., & Venturini, T. (2024). "Interdisciplinary research in artificial intelligence: Lessons from COVID-19", *Quantitative Science Studies*

Papers Submitted to Peer-Reviewed Journals

[R1] Abbonato, D., Bianchini, S., Llerena, P. (2024). "Partnerships is all you need: The development of transformer technology and its impact on science." forthcoming in *Scientometrics*.

Work in Progress

[W1] Abbonato, D., Bottai, C., Trentini, F., Velyka, A., "Validation and enrichment of RUNTS with web data" (link)

[W2] Abbonato, D., Guerzoni, M., "Disentangling the Impact of Methodological and Topic Interdisciplinarity on Scientific Performance in Economics"

[W3] Abbonato, D., Di Pietro, F., Guerzoni, M. "Is It What You Say or What You Are? Addressing Endogeneity in Crowdfunding Campaign Analysis Using Large Language Models"

[W4] Jurowetzki, R., Squicciarini, M., Abbonato, D. "Mapping AI's Labor Impact: A Task Exposure Framework for Occupational Analysis" (link)

[W5] Abbonato, D. (2024) "Public sentiments on the fourth industrial revolution: An unsolicited public opinion poll from Twitter" (link)

Conferences

09/2025	EAEPE: European Association for Evolutionary Political Economy, *National Technical University of Athens*, Athens, Greece
10/2024	Women for Ethical Artificial Intelligence Conference (W4EAI), *UNESCO Headquarters*, Paris, France
06/2024	DRUID, *SKEMA Business School and Université Côte d'Azur*, Nice, France
09/2023	EAEPE: European Association for Evolutionary Political Economy, *University of Leeds*, Leeds, United Kingdom
05/2023	Atlanta Conference on Science and Innovation Policy, *Georgia Institute of Technology*, Georgia, United States
01/2023	DRUID Academy 2023, Economics and Management of Innovation, Technology and Organization, *Aalborg University*, Aalborg, Denmark

Workshops

12/2023	WICK#11, Doctoral Workshop in Economics of Innovation, Complexity and Knowledge, *Collegio Carlo Alberto*, Turin, Italy
06/2023	Economics of Innovation, AI applications and Data Science, Digital Innovation and AI, Doctoral Workshop and Research Network, *UNU-MERIT*, Maastricht University, Maastricht, the Netherlands
03/2023	ITI HealthTech Workshop BETA-ICube, *Université de Strasbourg*, Strasbourg, France
06/2022	Economics of Innovation, AI applications and Data Science, Doctoral Workshop, *Copenhagen Business School*, Department of International Economics, Government and Business, Copenhagen, Denmark
06/2022	5th BETA Workshop in Economics of Science and Innovation, *Université de Strasbourg*, Strasbourg, France
11/2020	BETA-ICube Doctoral Workshop, *Université de Strasbourg*, Strasbourg, France

Summer Schools

07/2023	Participation in KID2023: Knowledge Dynamics, Industry Evolution, Economic Development, *Université Côte d'Azur*, Nice, France
11/2022	Participation in the 13th edition of "Autumn School in Management of Creativity", *Université de Strasbourg*, Strasbourg, France
05/2021	Participation in the 16th Advanced Course on "Innovation, Growth and International Production: Models and Data Analysis," *Università di Roma-La Sapienza*, Rome, Italy

Student Supervision

04–07/2024	*Università degli Studi di Milano-Bicocca*, Milan, Italy

  ○ **Ludovica Maria Greco**: "Redefining search behaviour: TikTok as the GenZ's new favourite search engine" (M.Sc in Marketing)

09–12/2021 *Università degli Studi di Brescia*, Brescia, Italy

- **Daniele Caci**: "Exploring opinion on AI using Twitter. A comparison between Italy and France." (M.Sc in Management Engineering)

- **Chiara Leggerini**: "Exploring opinion on AI using Twitter. A comparison between Italy and France." (M.Sc in Management Engineering)

Other Activities

02/2020 Hash Code - Programming Competition organized by Google

06/2019 SAS Training Camp, Introduction to SAS Vija software, *Università di Roma - La Sapienza*, Rome, Italy

Review Activity - Referee for: *Economics of Innovation and New Technology*, *PeerJ*

Computer Skills

- R, Python, SAS, Java, C++, MATLAB, MySQL, NoSQL, Gephi, Docker, SPSS, Git, LaTeX
- **Frameworks:** Torch, Tensorflow

Languages

Italian (native), English (advanced), French (advanced), Spanish (intermediate)

Contacts

Prof. Marco Guerzoni, DEMS, Università degli studi di Milano-Bicocca, marco.guerzoni@unimib.it

Prof. Stefano Bianchini, BETA, Université de Strasbourg, s.bianchini@unistra.fr

Prof. Cinzia Daraio, DIAG, Università di Roma - La Sapienza, daraio@diag.uniroma1.it

Declaration

I hereby declare on my honour that all the information included in this curriculum vitae is true.

Tutto quanto affermato corrisponde a verità; le dichiarazioni contenute vengono rese ai sensi degli artt. 46 e 47 del D.P.R. 445/2000 (dichiarazioni sostitutive di certificazione e sostitutive dell'atto di notorietà)

I authorise the processing of my personal data in the CV pursuant to art. 13 Legislative Decree no. 196 of 30 June 2003 - 'Personal Data Protection Code' and art. 13 GDPR 679/16 - 'European Personal Data Protection Regulation'.

Turin, 29 Oct 2025