

# Diletta Abbonato

## Curriculum Vitae

### Education

- 2020–Current **Ph.D. in Economics**, *BETA UMR 7522, Université de Strasbourg*, Strasbourg, France
- Thesis: The role of Artificial Intelligence for societal challenges
  - Supervisor: Prof. Patrick Llerena, Prof. Stefano Bianchini
  - Funded project : SEED (Sustainable Economies in the Era of Digital transformation)
- 2018–2020 **M.Sc. in Data Science**, *La Sapienza*, Rome, Italy
- Thesis: Public-Private relationships through Patent Analysis
  - Supervisor: Prof. Cinzia Daraio, Prof. Patrick Llerena
  - Co-supervisor: Dr. Antoine Port
- 2015–2018 **B.Sc. in Statistics for management**, *La Sapienza*, Rome, Italy
- Thesis: Twitter Analysis, model and application
  - Supervisor: Prof. Paolo Dell’Olmo

### Research Experience

- 04–07/2023 **Visiting Research**, *Universität Bremen*, Bremen, Germany
- Supervisor: Dr. Jessica Birkholz
- 03–07/2020 **Internship**, *BETA UMR 7522, Université de Strasbourg*, Strasbourg, France
- Supervisor: Prof. Patrick Llerena
  - Co-supervisor: Dr. Antoine Port
  - Collection, integration and analysis of patents from PATSTAT with implementation of algorithms aimed at social network analysis using R
- 05–08/2020 **Research fellowship**, *La Sapienza*, Rome, Italy
- Support to the preparation of a Data Quality Package for educational and research data using R
  - Supervisor: Prof. Cinzia Daraio

### Publications

#### Under Review

[R1] Abbonato, D., Bianchini, S., Gargiulo, F., & Venturini, T. (2023). "Questioning the impact of AI and interdisciplinarity in science: Lessons from COVID-19", link

#### In Preparation

[P1] Abbonato, D., Bianchini, S. "What do people think about AI? An unsolicited public opinion poll from Twitter"

[P2] Abbonato, D., Bianchini, S., Llerena P., "Partnerships Is All You Need: Public-Private Collaborations in the Development of Transformer Technology and its Impact on Science "

[P3] Abbonato, D., Birkholz, J., Kerner P., "The evolution of narratives in green hydrogen research"

[P4] Abbonato, D., Borsato, A., "Trends in Mission-oriented Innovation Policies: A Bibliometric Survey"

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## Conferences

- 09/2023 EAEPE: European Association for Evolutionary Political Economy, University of Leeds, Leeds, UK
- 05/2023 Atlanta Conference on Science and Innovation Policy, Georgia Institute of Technology, Georgia, USA
- 01/2023 DRUID Academy 2023, Economics and Management of innovation, technology and organizations, Aalborg University, Denmark
  - o Junior discussant

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## Workshops

- 06/2023 Economics of Innovation, AI & Data Science applications, Digital Innovation and AI, Workshop PhD and Research Network, UNU-MERIT, Maastricht University, The Netherlands
- 03/2023 ITI HealthTech Workshop BETA-ICube, Université de Strasbourg, France
- 06/2022 Economics of innovation, AI & Data Science applications, Workshop PhD Network, Copenhagen Business School, Department of International Economics, Government and Business, Denmark
- 06/2022 5th BETA-Workshop in Economics of Science and Innovation. BETA, Université de Strasbourg, France
- 11/2020 BETA-ICube PhD Workshop, Université de Strasbourg, France

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## Teaching Experiences

- 09–11/2023 **Unsupervised learning** for the second year of the master's programme "Data Science for Economics and Business", FSEG, Université de Strasbourg, France, *12h*
- 10/2022 **Transformer neural networks** for the second year of the master's programme "Data Science for Economics and Business", FSEG, Université de Strasbourg, France, *12h*
- 09–10/2022 **Unsupervised learning** for the second year of the master's programme "Data Science for Economics and Business", FSEG, Université de Strasbourg, France, *12h*
- 04/2022 **Machine Learning laboratory** for the second year of the master's programme "Data Science for Economics and Business", FSEG, Université de Strasbourg, France, *12h*

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## Student Supervision

- 09–12/2021 Daniele Caci, "Exploring opinion on AI using Twitter. A comparison between Italy and France", M.Sc Management Engineering, Università degli studi di Brescia, Italy
- 09–12/2021 Chiara Leggerini, "Exploring opinion on AI using Twitter. A comparison between Italy and France", M.Sc Management Engineering, Università degli studi di Brescia, Italy

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## Working Experiences

- 01–02/2019 **Data Analyst**, *Sant'Eugenio Hospital*, Rome, Italy
  - o Quantitative analysis related to a survey conducted on nursing students to assess their perceptions and the role of their clinical mentors

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## Other Activities

- 07/2023 Attendace at KID2023 : Knowledge Dynamics, Industry Evolution, Economic Development, Université Côte d'Azur, France

- 11/2022 Attendance at 13ième édition de "l'Ecole d'Automne en Management de la Créativité", Université de Strasbourg, France
- 05/2021 Attendance at 16th Advance Course on "Innovation, Growth and International Production; Models and Data Analysis", La Sapienza, Italy
  - The Course was organized by the University of Urbino Carlo Bo, the Sapienza University of Rome and the Scuola Normale Superiore, in collaboration with the Marche Polytechnic University, and Roma Tre University
- 01-.09/2020 Scholarship, Librarian, Department of Computer Science, La Sapienza, Italy
- 02/2020 Hash Code-Google's Coding Competition
- 06/2019 SAS Training Camp, Introduction to SAS Vija Software, La Sapienza, Italy

## Research Interest

- Economics of Innovation, Applied machine learning and AI, Social Network Analysis

## Computer skills

- R, Python, SAS, Java, C++, MATLAB, MySQL, NoSQL, Gephi, Docker, SPSS, L<sup>A</sup>T<sub>E</sub>X
- **Frameworks:** Torch, Tensorflow

## Language

Italian	Native
English	Fluent
French	Intermediate
Spanish	Beginner

## Contacts

- Prof. Stefano Bianchini, BETA, University of Strasbourg, s.bianchini@unistra.fr
- Prof. Cinzia Daraio, DIAG, Sapienza University of Rome, daraio@diag.uniroma1.it