

ALESSIA DE SANTO

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PROFESSIONAL EXPERIENCE

PHD Student, University of Milano Bicocca

Milan, Nov 2021 – Present

Curriculum Big Data & Analytics for Business (BiDAB). Currently collaborating with the CRISP center.

- Study of the main paradigms of big data. Analysis of large amounts of structured and unstructured data, use of innovative machine learning, text and web mining techniques.
- Application of this knowledge in labor market intelligence, specifically:
 - Collaboration in projects related to the analysis of the influence of the green transition on the labor market. Analysis of 'green skills' and 'green jobs' through the use of NLP techniques. The project involved tasks of taxonomy enrichment, skill extraction and creation of indicators to support decision-makers.
 - Collaboration in projects related to the analysis of digital skills through the application of Large Language Models.

Research Assistant, CNR-IRCrES

Turin Dic 2020 - October 2021

VIP MOVInG project, realized in collaboration with INAIL (National Institute for Insurance against Accidents at Work) and La Sapienza University of Rome. The project focuses on evaluating economic incentives assigned to Italian firms to improve safety and health in the workplace.

Skills acquired: Preparation of detailed scientific reports, systematization of administrative data and ability to deliver in-depth analysis of data.

EDUCATION

Ph.D courses

Nov. 2021 – Present

Main exams: Machine Learning, Deep Learning, Probability and Statistics.

Winter School - RISIS

Feb 2021

School on Tools and methods for analysing complex Science, Technology and Innovation (STI) systems. Study of ML and Deep Learning Methods. Programming in Python and R.

MSc in Economics

Sept. 2018 – Nov. 2020

Università degli Studi di Torino, Italy
110/110 cum Laude

I spent my first year of master studying in Turin and the second one in Rennes, attending the International Master in Public Finance, focusing on the study of public economic mechanisms and public finance.

Thesis: *Legislature size and democracy indicators: an exploratory study* (Supervisor: Prof. Benoît Le Maux, Université de Rennes 1; Co-supervisor: Prof. Francesco Passarelli, Unito)

Most relevant exams of the course of study at the University of Turin: Quantitative methods for Economics (Statistical inference, Mathematical Economics), mark 27/30; Econometrics, mark 29/30; Macroeconomic Analysis, mark 30/30.

International Master in Public Finance

Sept. 2018 – 13 Nov. 2020

Université de Rennes 1, France.
Mention Très bien

Most relevant examinations of the study at the Universit de Rennes 1: Quantitative methods (Factorial analysis, Probability and statistics), mark 30/30; Advanced Econometrics (Panel data econometrics, Spatial econometrics), mark 30/30; Comparative welfare programs, mark 29/30; Comparative tax policies, mark 29/30.

Bachelors Degree in Economics and Management

Sept. 2014 – 2018

Università degli Studi di Trento, Italy

Thesis: *The role of wage determination in the formation of European imbalances* (Supervisor: Prof. Andrea Fracasso)

PUBLICATIONS

On the optimal size of legislatures: an illustrated literature review *2022*

Authors: Alessia De Santo, Benoît Le Maux.

Journal: European Journal of Political Economy

É possibile incentivare la sicurezza sui luoghi di lavoro? *2023*

Contributions to chapters: I.1, I.2, II.1, III.3

Publisher: Giapichelli, ISBN: 9791221101294

LANGUAGES

Italian Native

English Advanced Knowledge, IELTS 7.5

French Basic Knowledge

PERSONAL INTERESTS

Sci-fi, Comic Books