



Paolo Dalena

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About me: Research Intern at Research Center of Deutsche Bundesbank | MSc Data Science student - Alma Mater Studiorum - University of Bologna

● WORK EXPERIENCE

08/02/2021 – CURRENT – Frankfurt am Main, Germany

RESEARCH INTERN – RESEARCH CENTRE | DEUTSCHE BUNDESBANK

Main activities and responsibilities:

- Analysis and evaluation of research projects and recent publications.
- Text Mining, Big Data Analytics and Network Analysis with R.

<https://www.bundesbank.de/en/bundesbank/research/research-centre>

07/01/2019 – 07/03/2019 – Padova, Italy

PARTICIPATION IN RESEARCH PROJECTS – UNIVERSITY OF PADOVA

- **Main activities and responsibilities:** Text mining on complex text sources: tumor marker guidelines. Developing of an R package able to import text from PDF files.
- **Acquired skills and achieved objectives:** Data Science through R. Understanding of R language. Ability to program on R and develop an R Package.
- **Employed as:** intern/trainee - undergraduate internship | Number of hours: 200 | Company sector: Data Mining & Artificial Intelligence

Unit Of Biostatistics , Epidemiology and Public Health | Education | <https://ubesp.jimdoofree.com/> |

Via Loredan 18, 35131, Padova, Italy

15/01/2017 – 01/2021 – Bologna, Italy

TUTOR IN STATISTICS AND PROGRAMMING WITH R – SUPERPROF.IT

- **Main activities and responsibilities:** Private lessons in Statistics, Probability, Data Analysis and Programming with R for undergraduate students of Bachelor's and Master's Degree Courses.
- **Acquired skills and achieved objectives:** Ability to share and integrate knowledge adapting it to different contexts and study paths.

● EDUCATION AND TRAINING

09/2019 – CURRENT – Bologna, Italy

M. SC. STATISTICAL SCIENCES - CURRICULUM DATA SCIENCE – Alma Mater Studiorum - University of Bologna

- **Expected degree mark:** 110/110 cum laude
- **Expected graduation date:** 07/2021
- **Language of the course:** English

Field(s) of study

- Natural sciences, mathematics and statistics : *Statistics*

09/2016 – 10/07/2019 – Bologna, Italy

BACHELOR'S DEGREE IN STATISTICAL SCIENCES - CURRICULUM ECONOMIA & IMPRESA – Alma Mater Studiorum - University of Bologna

- **Dissertation/thesis title:** Text Mining on complex text sources: analysis of the Governor's Concluding Remarks on the Annual Reports of the Bank of Italy from 2008 to 2017
- **Dissertation/thesis subject:** Utilizzo Statistico di Banche Dati Economiche Online (Statistical Use of Online Economic Databases)
- **Thesis supervisor:** prof. Ignazio Drudi

Field(s) of study

- Natural sciences, mathematics and statistics : *Statistics*

110/110 cum laude | https://paolodalena.github.io/bachelor_thesis_book/

2011 – 2016 – Putignano (BA), Italy

HIGH SCHOOL DIPLOMA – Scientific High School "IISS Majorana-Laterza"

100/100

● LANGUAGE SKILLS

Mother tongue(s): ITALIAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
FRENCH	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Programming Languages

Deep knowledge of R (Statistical Analysis, Data Science, Machine Learning, Package Developing) | Basic knowledge of CSS | Deep knowledge of R markdown | Basic knowledge of Python | Basic knowledge of HTML | Basic knowledge of JavaScript

Operating Systems and Software

Excellent knowledge of RStudio IDE | Excellent knowledge of MS Office package | Basic knowledge of statistical software Stata, SPSS, SAS | Basic knowledge of Gretl (time series analysis)

● HOBBIES AND INTERESTS

Further informations:

I am a dynamic person, with a strong problem solving ability. I have no problem to work in teams and to respect deadlines also very close to each other. I have always had a strong propensity for the digital, technological and IT world.

My hobbies are trekking, playing football and travelling.

In possession of driving licence.

Bologna, 15.02.2021

Signature



“In compliance with the GDPR and the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document”