

Fabrizio Di Mari

ABOUT ME

I am a PhD student in Methodological Statistics at Sapienza University of Rome, with a scholarship funded by the Istituto Superiore di Sanità. I hold a Master's degree in Statistics and a Bachelor's degree in Mathematics. I have also gained professional experience in the IT field. In my spare time, I enjoy playing sports.

WORK EXPERIENCE

 **University of Rome La Sapienza - Istituto Superiore di Sanità**

PhD student in Methodological Statistics

[01/11/2022 – Current]

My research mainly concerns the analysis of survival data from european cancer registries.

 **Istat - Istituto Nazionale di Statistica**

Internship

[15/03/2022 – 01/06/2022]

The primary objective of the project was to leverage Big Data sources for generating statistical insights. We conducted an analysis on TripAdvisor reviews of selected monuments in Lazio, namely the Colosseum and the Pantheon. These reviews were gathered using custom-built R codes capable of web scraping. Beyond exploratory analyses, we utilized semantic analysis techniques to uncover major themes within the reviews. Furthermore, Deep Learning algorithms were deployed to generate textual summaries of the reviews.

 **PWC ADVISORY SPA**

SELF-EMPLOYED RPA & BPM DEVELOPER

[01/05/2019 – 30/06/2020]

My primary role was as an IT consultant and software developer for numerous PwC clients, both individually and as part of a team. I had the opportunity to coordinate the work of small development teams, through which I acquired the fundamentals of Agile methodology for coordinating and scheduling work.

 **Associazione Arces – Catania, Italy**

City: Catania | Country: Italy

Internship RPA 2019

[02/2019 – 11/2019]

The internship activities were as follows:

- Training in two digital transformation tools, Pegasystems and Appian, as well as in a Robotic Process Automation tool, UIPATH. Total: 160 hours.
- Internship focused on the development of a real project provided by the company PWC. Total: 500 hours.
- Final examination.

PUBLICATIONS

[2025]

Estimating cure fraction in population-based survival colon cancer data.

F. Di Mari, R. Rocci, G. Tagliabue, S. Rossi, R. De Angelis. In: Methodological and applied statistics and demography III. doi: 10.1007/978-3-031-64431-3

[2024]

Donor site scar preference in head and neck free flap reconstruction: the patient point of view.

A. Iandelli, F. Mazzola, F. Di Mari. et al. In: Oral Oncology Reports, 10, 100453. doi:10.1016/j.oor.2024.100453

[2023]

Using TripAdvisor for monitoring and improving the management of the Heritage sites.

F. Bacchini, F. Di Mari, R. Iannaccone, In: ECONOMIA DELLA CULTURA. - ISSN 1122-7885. - 1:1(2023), pp. 75-84. doi:10.1446/107914

[2023]

Topic Modeling for the travel and tourism industry: classical and innovative methods compared.

Fabrizio Di Mari, In: SEAS IN Book of short papers 2023, Pearson, 2023, pp. 1105-1110, ISBN: 9788891935618AAVW

EDUCATION AND TRAINING

M.sc. in Statistical Methods and Applications

Sapienza University of Rome [01/10/2020 – 27/10/2022]

Field(s) of study: Natural sciences, mathematics and statistics | Final grade: 110/110 | Thesis: Topic Modeling for the Travel and Tourism Sector: New Methods and Applications

- Descriptive and Inferential Statistics.
- Machine/Deep Learning algorithms and techniques for image recognition, regression/classification of tabular data and textual analysis.
- Advanced methods for data matrix reduction.
- Advanced methods for Cluster Analysis.
- Modelling of multiple time series.

Bachelor degree in Mathematics

University of Catania [01/10/2015 – 28/02/2019]

Final grade: 110/110 cum laude | Thesis: Primes and Cryptography: Miller-Rabin test and its use to generate prime numbers

I learnt theoretical and practical mathematical knowledge, as well as a mindset dedicated to problem solving.

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

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

SKILLS

Linguaggi di programmazione

R / R Studio / R Markdown / Python / VisualBasic.Net / SQL

Software

Appian / UiPath / Automation Anywhere / Corso base Gretl

Altre

Microsoft Office / RPA

SOCIAL AND POLITICAL ACTIVITIES

[01/10/2018 – 01/03/2019] Mascalucia, CT

Volunteer at the Italian Red Cross

I provided school support for socially disadvantaged minors.

HOBBIES AND INTERESTS

Underwater Hockey

I exercise regularly and enjoy dedicating my free time to sports. In particular, I am a member of the underwater hockey team in Rome.