

Federica Spoto

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EDUCATION

PhD in Methodological Statistics *October 2020 - Present*
[Department of Statistical Science](#), Sapienza University of Rome.
Supervisor: Pierpaolo Brutti.

Visiting Ph.D. Scholar *September 2022 - Present*
[National Studies on Air Pollution and Health](#) group
[Department of Biostatistics](#), Harvard T.H. Chan School of Public Health.
Supervisor: Francesca Dominici.

M.Sc. in Data Science *2018 - 2020*
i3S Faculty, Sapienza University of Rome.
Thesis: Functional Autoregressive Models on the Sphere: Theory and Applications.
Honors: 110/110 cum laude.

B.Sc. in Statistics for management *2015 - 2018*
Department of Statistical Science, Sapienza University of Rome.
Thesis title: Algoritmi per la generazione e l'analisi di reti complesse.
Honors: 110/110 cum laude.

PUBLICATIONS

[Publications](#)

- **Spoto F.**, Caponera A., Brutti P. (2022). *Universal change point testing for dependent data*. Book of short papers. SIS 2022. Congress: The 51st Scientific Meeting of the Italian Statistical Society, SIS 2022
- **Spoto F.**, Caponera A., Brutti P. (2021). *Spherical autoregressive change-point detection with applications*. Book of short papers. SIS 2021. Congress: The 50th edition of the Scientific Meeting of the Italian Statistical Society, SIS 2021 [\[pdf\]](#)

[Manuscripts under review](#)

- Girardi M., Setoudehtanzagi F., **Spoto F.**, Tezza C., Fokianos K., *Time Series Methodology for Analyzing Calcium Imaging Data*. Proceeding of Data Research Camp.
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AWARDS

- Honourable Mention for the Best M.Sc. Thesis in Mathematical Statistics for the year 2019/2020
 - Students Honors Program of Sapienza University of Rome
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TEACHING
EXPERIENCES

- *Statistics*. Teaching Assistant, B.Sc. Economics and Buiness. LUISS Guido Carli University, February 2023 – May 2023.
 - *Statistics*. Teaching Assistant, B.Sc. Economics and Buiness. LUISS Guido Carli University, February 2022 – May 2022.
 - *Mathematical Statistics*. Teaching Assistant, M.Sc. Economics and Finance. LUISS Guido Carli University, September 2021 – February 2022.
 - *Statistics*. Teaching Assistant, B.Sc. Economics and Buiness. LUISS Guido Carli University, February 2021 – May 2021.
 - *Statistical Methods In Data Science And Laboratory*. Teaching Assistant, M.Sc. Data Science. Sapienza University of Rome, November 2020 – March 2021.
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SKILLS

Programming

R; Python; Matlab; Excel; SAS; MySQL; LaTeX; Github.

Experience in handling very large datasets for health and environmental studies (Medicare Part A).

Languages

Italian: native; English: proficient.