Curriculum Vitae

Alberto Arletti

Modena, Italy, 25/09/1996

Department of Economics
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Current Position

Gennaio 2025— Dicembre 2025

Position: Research Fellow
Where: Ca' Foscari University of Venice, Venice, Italia
Supervisor: Prof. Stefano Campostrini. PNRR Research Grant Project: AGE-IT – Spoke 10. Theoretical and data-driven study of the dynamics and mechanisms generating health inequalities among subpopulations in terms of longevity and healthy aging.

PhD

January 2022 - January 2025

Role	PhD Student in Statistical Science
Where	University of Padua, Padua, Italy
Scholarship	Winner of PON DM1061 full scholarship category "Innovation" on topic: "Social Media Sampling"
Dissertation	Inference with Non-Ignorable Selection Bias: A Neural Network Approach for Online Electoral Polls.
Supervision	Prof. Omar Paccagnella and Prof. Maria Letizia Tanturri, University of Padova. Prof. Yajuan Si, Institute of Social Science, University of Michigan, USA.
Visiting Scholar Position	*(February 2024 - August 2024)* Institute of Social Science, University of Michigan, Ann Arbor, USA. Under the supervision of Prof. Yajuan Si, developed simulations for estimation with non-ignorable selection in samples.
Industry Experience	*(November 2022 - July 2023):* Researcher at Demetra Opinioni, Mestre, Italy. Under the supervision of Prof. Angelo R. Tommaselli and Beatrice Bartoli, analyzed web panel samples for the September 2022 political elections.

Completed Coursework:

- Multivariate Techniques (A/B): Matrix Decomposition, Clustering, PCA;
- Theory and Methods of Inference (B-): Frequentist and Bayesian Inference, Modelling, Distributions, Asymptotic Statistics;
- Statistical Modelling: Non-parametric Statistics, Hierarchical Modelling, High Dimensional Modelling, Bayesian Modelling;
- Functional Analysis (B-): Measure theory, Banach and Hilbert spaces;
- Probability Theory: Discrete Stochastic Processes, Markov Chains.
- Programming Methodologies (B-): Object-Oriented Programming, Map-Reduce.

Experience

November 2019— June 2021

Position: Data Scientist
Where: Neosperience s.p.a., Milan, Italy

At Neosperience, I led a team of 2 in developing User Insight, a tool for predicting personality based on web navigation data and enabling personality-based personalization. My responsibilities included overseeing data quality and predictions for stakeholders, managing the data pipeline (AWS, Apache Spark), and developing algorithms (random forest, XGBoost) and feature engineering (Resnet32, topic extraction).

Education:

January 2021— September 2021

Courses: Calculus I (27/30), Calculus II (27/30), Linear Algebra (24/30)
Where: Department of Statistical Sciences, University of Padova, Italy (Part time)

September 2018— November 2019

Degree: Master's Degree in Neuroscience
Where: University of Padova, Padova, Italy
Grade: Distinction, Upper Second Class honours

September 2017— November 2018

Degree: Master's Degree in Cognitive Neuroscience
Where: University College London, London, UK
Grade: Upper Merit

September 2014— November 2017

Degree: Bachelor's Degree in Personality Psychology
Where: University of Padova, Padova, Italy
Grade: First Cum Laude

Teaching

April 17, 2025—

Title: Teaching Seminar: Themes and Sampling Methods
Where: Department of Statistical Science, University of Padova

Lesson titles: *Big Data, Paradise o Paradox? Selection bias in non-random samples.*

Agoust 2022— September 2024

Title: LaTeXIntroduction Teaching
Where: Department of Statistical Science, University of Padua

I taught recurring editions of an introductory course in LaTeXto Master students.

Working Papers

- Alberto Arletti, Maria Letizia Tanturri, and Omar Paccagnella. *Adjusting Selection Bias in Non-Probability Samples: the Case of European Electoral Polls*. May 2025
  Working paper, Journal of Survey Methodology.
- Alberto Arletti, Maria Letizia Tanturri, and Omar Paccagnella. *Making Online Polls More Accurate: Statistical Methods Explained*. Oct. 2024
  Ongoing review, Frontiers in Political Science.
- Alberto Arletti. *A Directional Rockafellar-Uryasev Regression*. 2024. arXiv: 2411.02557 [stat.ML]. URL: https://arxiv.org/abs/2411.02557
- Alberto Arletti, Paolo F Cottone, and Alessandro Candiracci. *Perceived oppression at the center of online support for COVID-19 restrictions non-compliance - the case of 2021 Trieste port workers' protests*. Oct. 2024. URL: osf.io/c6nbe
  Submitted at Frontiers in Political Science, October 2024
- Emily Godwin et al. *Seeing the Light—looking into Britain's conspiracy truthpaper*. Nov. 2023. DOI: 10.31234/osf.io/wb3qm. URL: osf.io/preprints/psyarxiv/wb3qm
  Submitted at Nature Scientific Data, November 2023

Peer Review Activities

- "Measuring and assessing the healthcare services experience: a proposal of a synthetic index" in *Applied Stochastic Models in Business and Industry*, April 2025

Conference Presentations

- Alberto Arletti, Yajuan Si, and Maria Letizia Tanturri e Omar Paccagnella. In: *AAPOR Conference 2025*. May 2025. URL: https://aapor.confex.com/aapor/2025/meetingapp.cgi/Paper/3517
- Darja Wischerath et al. "Seeing The Light: Tracing the Evolution of UK Conspiracy Narratives". In: *TASM Conference 2024*. 2. June 2024. URL: https://online.flippingbook.com/view/315440951/10/
- Alberto Arletti, Alessandro Arletti, and Riccardo Malacarne. "Efficient EU Workforce Relocation through LLM-Driven Legislative Data Solutions". In: *European Labour Authority Tech Conference 2024*. 2. Feb. 2024. URL: https://www.ela.europa.eu/sites/default/files/2024-02/2-Italy.pdf, Video: https://www.youtube.com/watch?v=lqnrA26Z5os&t=208s&ab_channel=EuropeanLabourAuthority
- Alberto Arletti, Omar Paccagnella, and Beatrice Bartoli. "In the practitioner's shoes: a comparison of correction methods for non-probability samples." In: *General Online Research 2023*. Sept. 2023. URL: https://www.conftool.org/gor23/sessions.php

Summer Schools and Experiences

- *2023* European Social Research Association Conference, 17-20 July, Milano Bicocca. (ESRA 2023)
- *2023* Summer Institute in Computational Social Science, 12-24 June, Edinburgh, UK (SICSS)

Invited Presentations (selected)

- Does Sampling Matters in Psychological Science? - *March 21, 2025*, Psicostat 3.6, Padova.
- ARQUS Day Plenary Assembly 6th Anniversary. Social Media and Populism in Southern European Democracies - *October 18, 2024*, Palazzo Bo, Padua.

- Computational Social Science Working Group. The Role of Twitter in Anti-Vax Protests - *June 21, 2024*, Ann Arbor, Michigan, USA.

Awards

- Student Conference Award, American Association for Public Opinion, 80th 2025 Conference, St. Luis. Award: 800$.
- ARQUS Alliance, Students' Co-Designed Projects, 2023 edition. Titolo progetto: "Who votes for emergent parties in European elections? A joint analysis on bias and sampling". Authors: *A. Arletti, F. Fernandes, J. Suarez.* Prize: 1000€. Completed: March 2024. Award page: link. Results: link

Professional Habitations

- Licensed Psychologist registered in "A" register, Order of Psychologists of Emilia-Romagna *(November 2021)*

Technical Skills

Python *from 2017*
libraries: pandas, numpy, torch, scikit-learn, scipy-stats, opencv, spacy, matplotlib, seaborn;

R *from 2018*
libraries: dplyr, tidyverse, ggplot, lme4, rstanarm, parallel, torch;

Software and Data Engineering, Versioning
SQL, AWS Suite, Apache Spark, git, docker, conda, vim, singularity, bash;

Data collection
Facebook (Meta) Ad manager;

Languages
Italian, mother tongue; *English*, C2 level;

Sport
Alpine Skiing, Swimming, Weight training

Declaration and Data Privacy Consent
I, Alberto Arletti, declare, pursuant to D.P.R. no. 445/2000 and subsequent amendments and integrations, that the information provided in this document is true. I grant authorization for the processing of personal data for the purposes related to this selection procedure, in accordance with applicable national and European legislation (Legislative Decree 196/2003 and EU Regulation 2016/679).