

Tomás Capretto

PhD Candidate

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*Statistical learning, Statistical programming, Survey
sampling*

About me

- Statistician interested in teaching, research and consulting.
- R is my main programming tool and I enjoy it a lot. Though, I am also learning Python because I think it is important to complement both.
- R **and** Python better than R **or** Python.
- Big Data does not mean all data. More questions. Better ideas.

Education

2019-2024 **PhD in Statistics**, *Universidad Nacional de Rosario*, Rosario, Argentina.
(expected)

2014-2019 **Bachelor in Statistics**, *Universidad Nacional de Rosario*, Rosario, Argentina.

Research experience

Apr 2018 - **Research assistant**, *Universidad Nacional de Rosario*, Rosario, Argentina.

- Mar 2019
- **Project:** Statistical methods in official statistics.
 - Developed my undergraduate thesis *Estimation in complex survey samples in presence of nonresponse*.

Apr 2016 - **Research assistant**, *Universidad Nacional de Rosario*, Rosario, Argentina.

- Mar 2017
- **Project:** Sampling designs based on models for populations with spatial variability.
 - As a complement of a course in sampling techniques, I dedicated most of the time to the study of new sampling methods that incorporate spatial variability.

Teaching experience

Aug 2018 - **Online tutor**, *Chegg Tutors*, Remote.

- May 2019
- Tutored Statistics, R and SAS Programming, and related topics in English.
 - I worked with both undergraduate and graduate students from a very wide range of disciplines.

Nov 2015 - **Online tutor**, *Latinhire*, Remote.

- Nov 2018
- Tutored Statistics both in English and Spanish.
 - Worked with both high-school and undergraduate students.

Work experience

- Nov 2018 - **Consultant**, *AlixPartners*, Buenos Aires, Argentina.
- Jan 2019
 - Data manipulation and analysis using R, Python, SQL and Tableau.
 - Time series forecasting.
 - Task automation.
- May 2018 - **Statistical assistant**, *Instituto Nacional de Estadística y Censos*, Buenos Aires, Argentina.
- Oct 2018
 - I worked on the study of non-response, its classification and treatment.
 - Contributed to methodological manuals and internal reports.
 - Evaluation of methods to impute missing data.
- Jul 2016 - **Statistical assistant**, *Universidad Nacional de Rosario*, Rosario, Argentina.
- Sep 2016
 - Survey sampling study to study characteristics of members from a professional college in Santa Fe province.
 - Participated in the strategy to collect the data.
 - Worked on the consistency of the data bases and the generation of internal reports.
 - Worked on telephone surveys and cases follow-up.

Scholarships, awards and distinctions

- 2019 - 2024 **PhD scholarship in strategic topics**, *CONICET*, San Luis, Argentina.
- **Topic:** Exploratory analysis of Bayesian methods.
 - Full-time position dedicated to study and research.
- Oct 2017 **1st Prize in the XIII Young Biometrists Contest**, *Grupo Argentino de Biometría*, Rosario, Argentina.
- I worked with David Presutti, Agronomic Engineering student.
 - We used generalized mixed linear models to solve the proposed problem.
- Jan 2017 - **Fulbright scholar**, *Comisión Fulbright Argentina*, Austin, United States.
- Feb 2017
 - I made a stay in the University of Texas at Austin thanks to the scholarship Friends of Fulbright 2017.
 - The activities involved english training, cultural exchange, volunteering and I also attended classes in Statistics.