

# Tomás Capretto

PHD CANDIDATE

IMASL/CONICET

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## Education

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### Universidad Nacional de Rosario

Rosario, Argentina

PHD IN STATISTICS

2019-2024 (expected)

- I am working under the supervision of PhD. Osvaldo Martin on Bayesian statistics and exploratory data analysis. At the time, we are working on density estimators and its future implementation in the Python package Arviz.

### Universidad Nacional de Rosario

Rosario, Argentina

BACHELOR IN STATISTICS

2014-2019

- The career gave me a solid background in foundations of statistics and as well as the interpretation of results in an analytical manner.

## Research experience

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### Universidad Nacional de Rosario

Rosario, Argentina

RESEARCH ASSISTANT

Apr 2018 - Mar 2019

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

### Universidad Nacional de Rosario

Rosario, Argentina

RESEARCH ASSISTANT

Apr 2016 - 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.

## Work experience

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### AlixPartners

Buenos Aires, Argentina

CONSULTANT

Nov 2018 - Jan 2019

- Data manipulation and analysis using R, Python, SQL and Tableau.
- Time series forecasting.
- Task automation.

### Instituto Nacional de Estadística y Censos

Buenos Aires, Argentina

STATISTICAL ASSISTANT

May 2018 - 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.

### Universidad Nacional de Rosario

Rosario, Argentina

STATISTICAL ASSISTANT

Jul 2016 - 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.

## Training experience

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### Chegg Tutors

ONLINE TUTOR

Remote

Aug 2018 - 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.

### Latinhire

ONLINE TUTOR

Remote

Nov 2015 - Nov 2018

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

## Scholarships, awards and distinctions

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### CONICET

PHD SCHOLARSHIP IN STRATEGIC TOPICS

San Luis, Argentina

2019 - 2024

- **Topic:** Exploratory analysis of Bayesian methods.
- Full-time position dedicated to study and research.

### Grupo Argentino de Biometría

1ST PRIZE IN THE XIII YOUNG BIOMETRISTS CONTEST

Rosario, Argentina

Oct 2017

- I worked with David Presutti, Agronomic Engineering student.
- We used generalized mixed linear models to solve the proposed problem.

### Comisión Fulbright Argentina

FULBRIGHT SCHOLAR

Austin, United States

Jan 2017 - 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.