

Gonzalo Barrera Borla

+54 (9 11) 4082 6338
gonzalobb@gmail.com
github.com/capitantoto

Education

- Apr' 17 – **MSc in Statistics**, *Facultad de Ciencias Exactas y Naturales - UBA*.
Current 336 of 784hs (43%) completed. Intermediate degree ("Specialist") due in 2019.
- 2009 – 2014 **Licenciatura en Economía (BA in Economics + MA)**, *Facultad de Cs. Económicas - UBA*.
GPA: 8.94 (10.0 scale). Graduated *magna cum laude*, as valedictorian of my class.

Economics' Master Thesis

- Mar' 14 **The limits of electoral predictability**, *Facultad de Cs. Económicas - UBA*, 10/10.
Using open data from Argentina's 2013 national legislative election, I estimate the absolute lower bound for the error in predicting the elections' results, as a function of the sample size. Then, I analyze the veracity of claims made in the media about the election's outcome. [Code](#) and [essay](#) publicly available on GitHub.

Work Experience

- Sep '16 – **Expert Data Analysis Advisor**, *Chief of the Ministerial Cabinet Office*, Buenos Aires.
Current I work for the National Directorate of Public Data, in the design, development and management of a business intelligence solution that integrates information from the National Public Administration's main management systems. My responsibilities are technical (definition of the data model, design of the data pipeline) as well as managerial (decide on relevant metrics and define reporting requirements with relevant stakeholders).
- 2012 – 2017 **Junior Mathematical Olympiad Coach**, *New Model International School et al*, Buenos Aires.
Training students with weekly problem-solving workshops aimed at 10-12 year-olds.
- 2013 – 2016 **Business Analyst**, *Xagax LLC*, Buenos Aires, Argentina.
Design and automatization of reports delivered daily to Marketing, Fulfillments and Accounting of the Official Nascar Members' Club. Consulting to executive management in business decisions, such as choosing the new price points for a major overhaul of our userbase's subscription plans, and developing a profile of typical abusive customers and a prototype "abuse detection" system.
- 2006 – 2016 **Private tutor**, Buenos Aires, Argentina.
Personalized tutoring in Mathematics, Physics and Chemistry for primary school to undergraduate students.
- 2012 – 2015 **Teaching Assistant**, *Universidad de Buenos Aires*, Buenos Aires, Argentina.
Teaching assistant at the Facultad de Ciencias Economicas for a "Statistics II" class.

Technical Skills

- Competent Python, SQL, R, Tableau, Pentaho, Unix tools (bash, git, ssh, awk, sed, curl, grep, ...)
- Familiarized Ruby, MATLAB, HTML/CSS, JavaScript, L^AT_EX

Languages

- | | | | |
|---------|----------------|------------|---|
| Spanish | Native speaker | English | Bilingual CPE (CEFR C2), 2008. Grade: A |
| French | Advanced | Portuguese | Advanced |

Interests

- Machine Learning I completed Stanford's "Machine Learning" course by Andrew Nguyen on Coursera, about contemporary machine learning techniques. [\[link to certificate\]](#)
- Science Olympiads I participated throughout high school in Mathematical and Chemistry Olympiads, consistently obtaining top finishes at national (chemistry) and international (mathematics) events.