

Gonzalo Barrera Borla

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Education

- Apr' 17 – **MSc in Statistics**, *Facultad de Ciencias Exactas y Naturales - UBA*.
Current Before officially enrolling, I took 'Probabilistic Sampling' in 2016. Intermediate degree due June 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's Thesis

- Title **The limits of electoral predictability.**
- Description 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 used. With such data as parameter, I analyze the veracity of certain claims made in the Argentinean media about the election outcome. Grade: 10/10. [Code](#) and [essay](#) publicly available on GitHub.

Work Experience

- Sep '16 – **Data Analyst**, *National Directorate of Public Data and Information*, Buenos Aires.
Current Management of the entire lifecycle of dashboards designed for both senior officials and the general public: gathering requirements, designing E-R models for data, developing ETL routines, administrating databases and designing the user-facing dashboards. I occasionally collaborate on development of libraries such as [pydatajson](#), a metadata analysis tool selected by the IDB's "Code for Development" FOSS program.
- 2012 – **Junior Mathematical Olympiad Coach**, *New Model International School et al*, Buenos Aires.
Current Training students to participate in "Olimpiada Matematica Ñandu", Argentina's Junior Mathematical Olympiad, 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.
- 2012 – 2015 **Teaching Assistant**, *Universidad de Buenos Aires*, Buenos Aires, Argentina.
Teaching assistant at the Facultad de Ciencias Economicas for a "Statistics II" class.
- 2006 – 2012 **Private tutor**, Buenos Aires, Argentina.
Personalized tutoring in Mathematics, Physics and Chemistry for primary school to undergraduate students.

Technical Skills

- Advanced SQL, Bash, Tableau
- Intermediate Python, R, Pentaho, Unix tools
- Basic Ruby, MATLAB, \LaTeX

Languages

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

Interests

- Science Olympiads I participated throughout high school in Mathematical and Chemistry Olympiads, consistently obtaining top finishes at national (chemistry) and international (mathematics) events.
- ML Completed "Machine Learning" by Andrew Nguyen on Coursera (Jan 2016). [\[link to certificate\]](#)
- Personal In my spare time, I binge on second hand books, spend the nights cooking and eating with my girlfriend Victoria or play the guitar in the park while Molly, our dog, runs merrily around.