

Gonzalo Barrera Borla

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Selected Industry Experience

- 2021 – **Engineer Manager, Data Science**, *Jampp, Affle Group*, Remote.
- Current After becoming SME for the statistical learning systems of the company, I moved *slightly* away from coding to technical management. Emphasis is set on sketching research projects for continuous improvement of our bidding strategy from a theoretical standpoint.
- 2019 – 2020 **Senior Data Scientist**, *Jampp*, Buenos Aires, AR.
I researched, developed and monitored supervised models for classification tasks in the programmatic advertising market. Servicing predictions for 2M QPS, we developed specialized sampling techniques to learn from 1T+ rows datasets within exacting performance concerns.
- 2016 – 2019 **Expert Data Analysis Advisor**, *Chief of the Ministerial Cabinet Office*, Buenos Aires, AR.
I worked for the National Directorate of Public Data in designing, developing and managing a business intelligence platform to integrate information from the federal government's core management systems. My responsibilities were both technical (data model definitions, data pipelines' design) and product-oriented (choosing of relevant metrics and defining requirements with stakeholders). I contributed to the development of [pydatajson](#), a metadata analysis library selected by the IADB's "[Code for Development](#)" FOSS program.
- 2013 – 2016 **Business Data Analyst**, *Official Nascar Members' Club*, Buenos Aires, AR; Charlotte, NC, USA.
I did assorted analysis and report automation for all company teams, as well as a/b testing for marketing campaigns and standard credit fraud detection models.

Selected Academic Experience

- H2 2021 **External Professor**, *Fac. de Ingeniería, Fac. de Cs. Exactas, UBA*, Argentina.
I taught "Machine Learning in Graphs" for the masters' degree on Data Mining program. We provided longtime R users with a in depth first course on Python for graph data science. We recorded lectures for asynchronous watching and led synchronous classes with heavy emphasis on practice. All of the material is publicly available on Youtube and GitHub, and covers 'networkx', 'igraph' and 'neo4j', as well as the general scientific python stack.
- 2012 – 2017 **Junior Mathematical Olympiad Coach**, *Various schools*, Buenos Aires, Argentina.
- 2006 – 2016 **Private tutor**, Buenos Aires, Argentina.
I taught Mathematics, Physics and Chemistry for elementary to undergraduate-level students.
- 2012 – 2015 **Teaching Assistant**, *Facultad de Cs. Económicas; Universidad de Buenos Aires*, Argentina.
Teaching assistant for the 4th year "Statistics II" class.

Education

- 2017 – 2021 **MSc in Statistics**, *Facultad de Ciencias Exactas y Naturales - UBA*.
GPA: 10.0 (10.0 scale). Thesis in progress, due July 2022.
- 2009 – 2014 **Licenciatura en Economía (BA + MA in Economics)**, *Facultad de Cs. Económicas - UBA*.
GPA: 8.94 (10.0 scale). Graduated *magna cum laude*, as valedictorian of my class. My masters' thesis, *The Limits of Electoral Predictability* [code](#) and [essay](#) publicly available on GitHub.

Languages

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

Courses

AWS	Architecting on AWS	Coursera	Machine Learning with Andrew Nguyen
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