Ariana **Bardauil**

DATA SCIENTIST · POLITICAL SCIENCE

Buenos Aires, Argentina

✉ arianabardauil@gmail.com 🏠 my portfolio GitHub in LinkedIn 📞 +54 9 11 3051 1306

Education

Specialization in Satellite Image Remote Sensing and GIS *Buenos Aires, Argentina*
National University of Luján *mar 2024 - Present*

- Postgraduate specialization in geospatial technologies and satellite data analysis.

Master's Degree in Statistical Information Generation and Analysis *Buenos Aires, Argentina*
National University of Tres de Febrero *mar 2021 - Present*

- Graduate-level training in quantitative methods, statistical modeling, survey design, and public policy evaluation. Thesis in progress.

Licenciatura in Political Science (Equivalent to a Master's Degree) *Buenos Aires, Argentina*
National University of La Matanza *mar 2016 - dic 2020*

- Five-year degree combining advanced coursework and research. Considered equivalent to a Master's degree in international academic systems.

Professional Training

Graduate Certificate in Computational Social Sciences *Buenos Aires, Argentina*
Universidad Nacional Guillermo Brown *mar 2023 - dic 2023*

Graduate Certificate in Archiving and Document Management *Buenos Aires, Argentina*
National University of Tres de Febrero *mar 2023 - dic 2023*

Graduate Certificate in Open Government and Public Innovation *Santa Fe, Argentina*
National University of Rosario *mar 2023 - dic 2023*

Work experience

Senior Data Analyst *Buenos Aires, Argentina*
Ministry of Health – Buenos Aires City Government *ene 2023 - Present*

- Member of the Professional Specialists Program (competitive position). Co-designing a public policy to integrate artificial intelligence into administrative processes of the Ministry of Health.
- Development of dashboards and visualizations in Quarto and Shiny. Data analysis and automation of health information processes using R, Python, and SQL.

Data Analyst *Buenos Aires, Argentina*
Agency for Access to Public Information - National Government *ene 2022 - ene 2023*

- Responsible for the Active Transparency Index.Data processing and visualization with R, RMarkdown, Flourish, and Metabase.
- Participated in the Archives and Records Management Program. Contributed to the development of public policies on information access, personal data protection, and digital recordkeeping standards for national institutions.

Employment Policy Advisor *Buenos Aires, Argentina*
Undersecretariat for Public Employment – National Government *mar 2020 - ene 2022*

- Led HR and staffing surveys. Co-authored research on public employment during the pandemic.
- Produced both qualitative and quantitative reports to support employment policies.

Teaching experience

Adjunct Professor *Buenos Aires, Argentina*

University of Flores *mar 2025 - Present*

- Course: Text Mining applied to Social Research. Focused on computational text analysis methods for political and social sciences.

Teaching Assistant (JTP) *Buenos Aires, Argentina*

National University of La Matanza *mar 2024 - Present*

- Course: Demography. Teaching support in quantitative demographic analysis for Political Science undergraduate students.

Community Involvement

R en Buenos Aires – Organizer & Instructor

R en Buenos Aires is a local data science community that promotes the use of R in Spanish-speaking academic, public sector, and civil society contexts. The group organizes regular workshops, talks, and collaborative study spaces,

Núcleo de Innovación Social – Organizer (2023 – present)

The Núcleo de Innovación Social is a collective focused on the ethical, political, and methodological challenges of data use in the public sphere. It brings together professionals from government, academia, and activism to co-create visualizations, applied research, and public communication tools.

Publications

Conference papers

Strategies and Procedures for Protecting Personal Data in Products Containing Health Information

Presented at IDS-JAIO 2024. Focused on data protection strategies for healthcare-related information systems. *2024-11-01*

- María Cecilia Palermo, María Belén Islas, María Nanton, Sabrina Palermo y Ariana Bardauil

Experiences Using R to Automate Administrative Procedures

Presented at LatinR 2024. Described the application of R in the automation of administrative processes in public health. *2024-08-01*

- Manuel Rodriguez Tablado, María Cristina Nanton, Ariana Bardauil

Public Sector Employment in the Context of the Pandemic

Presented at the XVI International CLAD Congress on State Reform and Public Administration. *2021-11-21*

- Mauro Chilliuti, Gabriela Gutierrez, Ariana Bardauil

Technical reports

Evaluation of the Active Transparency Index Methodology

Public report published by the Agency for Access to Public Information (AAIP). *2023-04-01*

- Emiliano Arena, Ariana Bardauil,Catalina Byrne.

Perceptions of Public Information Access Officers

AAIP publication based on surveys of information access officers. *2023-09-01*

- Emiliano Arena; Catalina Byrne; Mariana Sánchez; Matías Ramiro Sumavil; Ariana Bardauil.

Federal Guide to Transparency

Policy guide developed for public sector institutions. *2023-11-01*

- Ariana Bardauil, Catalina Byrne, Gonzalo Castro, Sara Iuliano, Estefanía Pinetta Biro Alemán, Lorena Salim.

Potenciar Trabajo: Relational Perspectives on Concepts and Numbers for Understanding its Structure

Observatorio sobre Políticas Públicas y Reforma Estructural, Report No. 42, FLACSO Argentina. *2023-12-12*

- Cynthia Ferrari Mango, Ariana Bardauil

Book Chapter

Changes and Continuities in Argentina's Ministry of Social Development (2015–2019) during the Cambiemos Administration

In Casalis, A. & Ferrari Mango, C. (Eds.), Transformations in the Structure of the State under the Cambiemos Government (2015–2019). Chapter 5, pp. 110–137. National University of La Matanza.   *2022-01-01*

- Guadalupe Mercado, Ariana Bardauil

Conference Presentations

Discourse Analysis on Insecurity among Presidential Candidates and Digital Media in Argentina (2022–2023)

Presented at the National Conference of Political Science (SAAP 2023).   *2023-09-01*

- Joaquín Lovizio Ramos, Santiago Marta, Ariana Bardauil

Discourse Analysis on Education among Presidential Candidates and Digital Media in Argentina (2022–2023)

Presented at the Sociology Conference (UBA 2023).   *2023-09-01*

- Joaquín Lovizio Ramos, Ariana Bardauil, Manuel Iglesias

A Digital Lens on Congressional Candidates in Buenos Aires Province and CABA

Presented at the National Conference of Political Science (SAAP & UNR 2021). Applied web scraping and data mining techniques to digital media.   *2021-11-01*

- Joaquín Lovizio Ramos, Manuel Iglesias, Ariana Bardauil

Research Experience

Current

Researcher
National University of La Matanza

The Construction of Local Socio-Community Spaces through Social Programs Linked to Municipalities and Organizations   *ene 2025 - dic 2026*

- Research project under the CyTMA2 program, focused on analyzing how social programs contribute to the development of local community-based spaces involving municipal governments and civil society organizations.

Previus

Principal Investigator
National University of La Matanza

Territorial Dynamics of Social Programs in Greater Buenos Aires   *ene 2023 - dic 2024*

- Research on the interaction between national, municipal, and grassroots actors in the distribution and implementation of social policies.

Researcher
National University of La Matanza

Transformations in the Structure of National Public Administration   *ene 2021 - dic 2022*

- Analyzed public management models and intergovernmental relations during the 2015–2019 government period.

Research Fellow (PROINCE)
National University of La Matanza

Radical Democracy and Populism: An Interdisciplinary Theoretical Analysis   *ene 2018 - dic 2018*

- Awarded PROINCE scholarship. Participated in theoretical research on political discourse and democratic theory.

Research Fellow (CyTMA2)

National University of La Matanza

Knowledge Management and Learning in Public Administration: The Case of Buenos Aires
Province

ene 2017 - dic 2017

- Participated in an institutional research project on knowledge transfer and learning within public management structures.

Skills

Languages

Spanish (Native), English (Upper Intermediate)

Programming Languages

R, Python, SQL

Markup & Document Languages

RMarkdown, Quarto, LaTeX, Markdown, Typst

Data Visualization Tools

Shiny, Flourish, Metabase, Power BI

Geospatial Tools

QGIS, Google Earth Engine

Other

Git, GitHub, Google Workspace, MS Office