



# Sabrina L. López

## Postdoctoral Fellow

- Buenos Aires, Argentina
- <https://slldec.github.io/>
- [sabrina.lopez.ds@gmail.com](mailto:sabrina.lopez.ds@gmail.com)
- SLLDeC
- [sabrina-l-lopéz-4b675851/](#)

## About Me

Along my academic career, I have been interested in programming and data analysis. Towards the end of my doctorate, seeking a greater impact on society, I began to get involved in health data and Public Health. Currently, I am particularly interested in the ethical implications of the use of health data, the new technologies available in this domain, and their potential impact on society.

## Interests

Data Science - Artificial Intelligence - Public Health - Ethics - Open Science

## Skills

R/RStudio - Matlab - Python - Arduino - GitHub - GitLab - Markdown - LaTeX - Office/LibreOffice/OpenOffice - OS: Windows/Ubuntu

## Languages

Spanish - English - Portuguese

## Experience

Present	Researcher	Argentinean Public Health Research on Data Science and Artificial Intelligence for Epidemic Prevention (ARPHAI)
		<ul style="list-style-type: none"><li>• Member of the Responsible Use of Data team.</li><li>• Development of a classification algorithm of medical consultations about Sexual and reproductive health sexual from disabled patients.</li><li>• Development of free text anonymization algorithm for electronic health records in Spanish.</li><li>• Publication of awareness documents on the Responsible Use of Health Data.</li></ul>
Aug/2021		
Jun/2022	Consultant	Ministry of Health of the City of Buenos Aires
		<ul style="list-style-type: none"><li>• Development of a standardized treatment of requests for health information based on risk assessment.</li></ul>
Jul/2021		
Jun/2021	Data Analyst	Ministry of Health of the City of Buenos Aires
		<ul style="list-style-type: none"><li>• Development of dashboards, reports and training materials</li></ul>
Mar/2019		
Jul/2021	Doctoral fellow	Sensorimotor Dynamics Lab, National University of Quilmes
		<ul style="list-style-type: none"><li>• Title: Sensorimotor synchronization. Spatiotemporal perturbations in a paced finger tapping task.</li><li>• Mentor: Rodrigo Laje</li></ul>
Jun/2013		
Mar/2013	Undergraduate internship	Dynamical Systems Lab, University of Buenos Aires (UBA)
		<ul style="list-style-type: none"><li>• Title: Psychoacoustics and anatomy of vocal imitation in humans.</li><li>• Mentor: Marcos Trevisan</li></ul>
Jun/2011		

## Education

2021	Ph.D. in Biology	UBA
2014	Higher and Secondary Education Biology Professor	UBA
2013	B.Sc. in Biology	UBA

## Most relevant courses

2024	Instructor Training	The Carpentries
	Open Science 101	NASA
	Collaborative Lesson Development Training	The Carpentries
2022	Artificial Intelligence and Health	Innovation and Artificial Intelligence Laboratory (IALAB), UBA
	Program for Open Science ambassadors	Open Life Science
2021	Data Governance	IALAB, UBA
	Good Clinical Practice	NIDA Clinical Trials Network
2020	Introduction to Health Information Systems	University Institute of Italian Hospital of Buenos Aires
2017	Data Science with R: Advanced Tools in Statistical Analysis	Calculus Institute, UBA



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## Invited Talks

- Oct 2024 Round Table: Data Quality  
C. Ruz; S. L. López and A. Dramis at XXVIII Scientific Meeting  
Argentine Biostatistics Group
- Oct 2024 Panel: Artificial intelligence for reproductive and maternal sexual health: challenges and lessons learned  
A. Lara; C. Daza; S. L. López and V. Xhardez at XIX Health Informatics Conferences
- Oct 2022 Anonymization of texts from Electronic Health Records and Responsible Use of Data  
Argentine Congress of Informatics and Health
- Sep 2022 Challenges in the secondary use of health data  
Artificial Intelligence in Medicine Seminar at Torcuato Di Tella University

## Meeting Presentations

- Nov 2024 Dilemmas regarding the anonymization of sensitive health data: between privacy and public good  
S. L. López; M. Rajngewerc; M. Elichiry; M. C. Palermo; M. V. Tiseyra; M. Teruel; L. Alonso Alemany and V. Xhardez at Workshop "Artificial Intelligence and Philosophy III: Democracy, rights and society"
- Oct 2024 Main challenges when forming an annotated data set for the development of classification models in Electronic Health Records  
S. L. López; M. Rajngewerc; M. Teruel; L. Alonso Alemany; M. Elichiry; M. C. Palermo; M. V. Tiseyra and V. Xhardez at XIX Health Informatics Conferences
- Aug 2024 Strategies and Procedures for the Protection of Personal Data in Products Containing Health Information.  
M. C. Palermo, A. Bardauil; M. C. Nanton; S. L. López and M. B. Islas at Argentine Symposium on Computer Science, Law and Society
- Sep 2023 Standardized treatment of requests for health information based on risk assessment.  
S. L. López; M. C. Palermo and M. C. Nanton at II Research Ethics Congress
- Sep 2023 Ethical challenges in the use of sensitive data and models for de-identification.  
M. Rajngewerc, S. L. López, V. Xhardez, L. Ación and L. Alonso Alemany at II Research Ethics Congress
- Sep 2023 Towards a Community-Based Responsible Use of Health Data in Argentina and beyond  
S. L. López; M. Rajngewerc; L. Silvi; L. Alonso Alemany and L. Ación at Argentine Congress of Informatics and Health
- Apr 2023 Towards a Community-Based Responsible Use of Health Data in Argentina and beyond  
S. L. López at csv,conf,v7
- Mar 2023 De-identification of Spanish healthcare free-text: not fully reliable but far better than nothing  
S. L. López; L. Silvi; L. Alonso Alemany and L. Ación at Latin American Meeting In Artificial Intelligence - Khipu 2023
- Nov 2021 Data science with R with an impact on Public Health: an experience of using tidyverse for pregnancy detection  
S. L. López, C. Mengoni Goñalons, M. C. Nanton and M. Rodríguez Tablado at LatinR 2021



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## Fellowships

2021-2024	Postdoctoral Fellowship	National Scientific and Technical Research Council - Argentina (CONICET)
	Mentors: Laura Ación and Laura Alonso Alemany	
2014-2019	Doctoral Fellowship	CONICET
	Mentor: Rodrigo Laje	
2010-2013	Undergraduate Scholarship	Sadosky Scholarship
		School of Sciences, UBA
2009-2010	Undergraduate Scholarship	Sarmiento Scholarship
		UBA

## Publications

2024 Revealed and hidden dimensions in Databases on care in Argentina. M. C. Palermo and López, S. L. *Política y Sociedad*, in press.

2022 Filling the gap in distribution ranges and conservation status in *Ctenomys* (Rodentia: Ctenomyidae). Caraballo, D. A., López, S. L., Botero-Cañola, S., y Gardner, S. L. *Journal of Mammalogy*, vol. 104 p. 466.

2021 Conservation status, protected area coverage of *Ctenomys* (Rodentia, Ctenomyidae) species and molecular identification of a population in a national park. Caraballo, D. A., López, S. L., Carmarán, A. A., y Rossi, M. *S. Mammalian Biology*, vol. 100 p. 33.

2019 Spatiotemporal perturbations in paced finger tapping suggest a common mechanism for the processing of time errors. López, S. L., y Laje, R. *Scientific Reports*, vol. 9, p. 1. B.

2013 Vocal caricatures reveal signatures of speaker identity. López S. L.; Riera, P.; Assaneo, MF.; Eguía, M.; Sigman, M. y Trevisan, M. *Scientific Reports*, vol. 3, p. 3407.