



# Sabrina L. López

## CSID Fellow

Buenos Aires, Argentina

<https://slldec.github.io/>

sabrina.lopez.ds[at]gmail.com

SLLDeC

sabrina-l-lopez-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 - L<sup>A</sup>T<sub>E</sub>X - Office/LibreOffice/OpenOffice - OS: Windows/Ubuntu

## Languages

Spanish - English - Portuguese

## Experience

Present	Fellow	Climate Sensitive Infectious Disease Network
Apr 2025	• Community and capacity strengthening in Argentina. • Events and Gathering Committee member.	
Present	Researcher	Argentinean Public Health Research on Data Science and Artificial Intelligence for Epidemic Prevention (ARPHAI)
Aug 2021	• Member of the Responsible Use of Data team. • Development of a classification algorithm of medical consultations about sexual and reproductive health from patients with disabilities. • Development of free-text anonymization algorithm for electronic health records in Spanish. • Publication of awareness documents on the Responsible Use of Health Data.	
Mar 2025	Coordinator and Data Analyst	Ministry of Health of the City of Tres de Febrero
Mar 2023	• Development of indicators, dashboards, reports and documentation	
Nov 2024	Postdoctoral Fellow	Calculus Institute, University of Buenos Aires
Dec 2021	• Mentors: Laura Ación and Laura Alonso Alemany	
Jun 2022	Consultant	Ministry of Health of the City of Buenos Aires
Jul 2021	• Development of a standardized treatment of requests for health information based on risk assessment.	
Jun 2021	Data Analyst	Ministry of Health of the City of Buenos Aires
Mar 2019	• Development of dashboards, reports and training materials	
Jul 2021	Doctoral fellow	Sensorimotor Dynamics Lab, National University of Quilmes
Jun 2013	• Title: Sensorimotor synchronization. Spatiotemporal perturbations in a paced finger tapping task. • Mentor: Rodrigo Laje	
Mar/2013	Undergraduate internship	Dynamical Systems Lab, University of Buenos Aires (UBA)
Jun/2011	• Title: Psychoacoustics and anatomy of vocal imitation in humans. • Mentor: Marcos Trevisan	

## Education

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

## Most relevant trainings

2025	Responsible Artificial Intelligence in Healthcare: Ethical Foundations, Governance, and Practical Solutions	HealthAI
2024	Instructor Training	The Carpentries
	Open Science 101	NASA
	Collaborative Lesson Development Training	The Carpentries
	Good Clinical Practice	NIDA Clinical Trials Network
2020	Introduction to Health Information Systems	University Institute of Italian Hospital of Buenos Aires



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## Invited Talks

- |          |  |
|----------|--|
| Oct 2024 | Round Table: Data Quality<br>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<br>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<br>Argentine Congress of Informatics and Health  |
| Sep 2022 | Challenges in the secondary use of health data<br>Artificial Intelligence in Medicine Seminar at Torcuato Di Tella University  |

## Fellowships

- |           |                           |   |
|-----------|---------------------------|---|
| Apr 2025  | Fellowship                | Climate Sensitive Infectious Disease Network  |
| 2021-2024 | Postdoctoral Fellowship   | National Scientific and Technical Research Council - Argentina (CONICET)<br>Mentors: Laura Ación and Laura Alonso Alemany |
| 2014-2019 | Doctoral Fellowship       | CONICET<br>Mentor: Rodrigo Laje   |
| 2010-2013 | Undergraduate Scholarship | School of Sciences, UBA<br>Sadosky Scholarship  |
| 2009-2010 | Undergraduate Scholarship | UBA<br>Sarmiento Scholarship  |

## Publications

- |      |  |
|------|--|
| 2025 | Desafíos de la Inteligencia Artificial: Reflexiones sobre las experiencias de detección automática de consultas en salud sexual y reproductiva de personas con discapacidad en registros de salud electrónicos. Tiseyra, M. V., Palermo M. C., Xhardez, V., López, S. L., Rajngewerc, M., Alonso Alemany, L., Teruel, M. and Elichiry M. <i>Cairo-Lisboa 2024: Tres Décadas de Derechos y Salud Sexual y Reproductiva en Debate</i> , CIES-Iscte |
| 2024 | Revealed and hidden dimensions in databases on care in Argentina. M. C. Palermo and López, S. L. <i>Política y Sociedad</i> , in press.  |
| 2022 | Filling the gap in distribution ranges and conservation status in <i>Ctenomys</i> (Rodentia: Ctenomyidae). Caraballo, D. A., López, S. L., Botero-Cañola, S., y Gardner, S. L. <i>Journal of Mammalogy</i> , vol. 104 p. 466.  |
| 2021 | Conservation status, protected area coverage of <i>Ctenomys</i> (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. <i>Mammalian Biology</i> , 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. <i>Scientific Reports</i> , vol. 9, p. 1. B.   |
| 2013 | Vocal caricatures reveal signatures of speaker identity. López S. L.; Riéra, P.; Assaneo, MF; Eguía, M.; Sigman, M. y Trevisan, M. <i>Scientific Reports</i> , vol. 3, p. 3407.  |



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## 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. Bardaui; 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