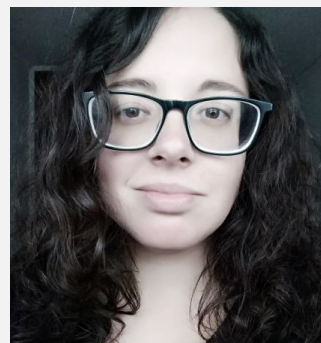


DANIELA DE LOS SANTOS

MSc in Data Science from the Barcelona School of Economics. BSc in Sociology from the Catholic University of Uruguay.

I have broad experience in data-driven social research and public policy analysis, machine and deep learning modeling, data processing and visualization, geospatial analysis, as well as scientific dissemination and teaching. My main areas of interest are the applications of data science tools in the design, implementation, and evaluation of public policy, aiming at the reduction of gender and social inequalities.



EDUCATION

2023
|
2022

● MSc in Data Science for Decision Making

Barcelona School of Economics (Joint degree: Universitat Pompeu Fabra - Universitat Autònoma de Barcelona)

📍 Barcelona

• **Overall average grade:** 8.77/10 (A-). **Thesis:** 'Forecasting Global Refugee Flows: A Machine Learning Approach using Non-conventional Data'. Grade: 10 (A+). Available [here](#).

2014
|
2010

● BSc in Sociology

[Licenciatura en Sociología] Catholic University of Uruguay - Faculty of Human Sciences

📍 Montevideo

• **Overall average grade:** 5,46/6. **Thesis (2020):** 'The childhood neighborhood as a center of gravity: Residential mobility of young people from Montevideo during their transition to adulthood.'

2012
|
2010

● BA in Literature

[Licenciatura en Letras] University of the Republic - Faculty of Humanities and Education Sciences

📍 Montevideo

• 2/4 years approved

CERTIFICATIONS AND COURSES

2021

● Housing Building and Damage Assessment Intermediate Training

SURGE Academy - UNDP

📍 Virtual

2021

● Household Building and Damage Assessment Introductory Training

SURGE Academy - UNDP

📍 Virtual

CONTACT INFO

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in [danidlsa](#)

📄 [cvuy](#)

🔍 [Google Scholar](#)

LANGUAGES

Spanish (*native*)

English (*fluent*)

Portuguese (*basic*)

Catalan (*basic*)

SKILLS

Hard Skills: Data analysis, Machine learning, Deep learning, Neural Networks, Natural Language Processing, Data Visualization, Statistical Modeling, Remote sensing, Spatial data analysis, Networks analysis, Cloud computing (AWS, Azure).

Programming languages and software: Python (scikit-learn, PyTorch, TensorFlow, keras, nltk, numpy, matplotlib, seaborn, pandas), R, SQL, H2o.ai, Stata, PowerBI, Tableau, Git, ArcGIS/QGIS, Shiny.

2019	● Package development in R Latin R Tutorials	📍 Santiago de Chile
2019	● Data Science Hack Academy	📍 Montevideo
2019	● Learn Python Codecademy	📍 Virtual
2018	● The Data Scientist's Toolbox John Hopkins University (Coursera)	📍 Virtual
2017	● Care Policies: Prospects and challenges for equality Latin American Faculty of Social Sciences (FLACSO)	📍 Montevideo
2017	● Web Scrapping, social media and Big Data in politics Winter School in Social Science Methodology - Catholic University of Uruguay	📍 Montevideo
2014	● Research Design and Causal Inference Winter School in Social Science Methodology - Catholic University of Uruguay	📍 Montevideo
2014	● Survey experiments Winter School in Social Science Methodology - Catholic University of Uruguay	📍 Montevideo

PROFESSIONAL EXPERIENCE

2022 2021	● Programme Associate Officer Inclusive Growth and Social Protection - Gender Team United Nations Development Programme (UNDP) - Regional Hub for Latin America and The Caribbean (RBLAC)	📍 Panama (home-based)
	<ul style="list-style-type: none"> • Data, Social Protection and Gender specialist. My main role was to assess national and local governments in gender-sensitive social protection projects. For this purpose, I was responsible for designing and implementing tools based on data and big data to support governments in the implementation of inclusive care and social protection systems, such as UNDP's Care Georeferencing Tool (see Projects section); prepare diagnoses of socioeconomic and gender impacts of COVID-19 in different countries of the region, and manage capacity building initiatives at a regional and country level. I also partook in UNDP internal strategic discussions, led data visualization initiatives, and gave lectures about gender indicators and data-based tools, mostly aimed at public officials. 	
2021 2020	● Consultant in Economy and Gender Equality for the COVID-19 Response - Gender Team United Nations Development Programme (UNDP) - Regional Hub for Latin America and The Caribbean (RBLAC)	📍 Panama (home-based)
	<ul style="list-style-type: none"> • Assessed national and local governments about methodologies to gather gender-sensitive data in the context of the sanitary COVID-19 crisis. Provided insight on socioeconomic and gender impacts of the pandemic in different national contexts, in collaboration with the UNDP Crisis Bureau. Conducted research on COVID-19 response measures at a global (see Projects: COVID-19 Global Gender Response Tracker) and national level. Led the design and implementation of georeferencing tools for care services in the region (see Projects: Georeferencing tool). 	

2018
|
2014

● **Consultant**
International Labour Office/ Inter-American Center for the Development of Knowledge in Vocational Training (ILO/Cinterfor)

📍 Montevideo

- Participated in projects dedicated to the analysis, description and evaluation of occupational structures and jobs in different industries and economic sectors in Uruguay.

2013

● **Intern**
International Labour Office/ Inter-American Center for the Development of Knowledge in Vocational Training (ILO/Cinterfor)

📍 Montevideo

- Assist in different tasks in Project: "Job Evaluation in the Construction Industry". My activities mostly involved analyzing data from surveys and interviews directed at workers and employers of the construction industry, in order to update job descriptions and provide evidence for the design of certification policies.

RESEARCH EXPERIENCE

2021
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2016

● **Senior Researcher**
Interdisciplinary Center for Development Studies - Uruguay (CIEDUR) - Gender and Development Department

📍 Montevideo

- Research on Gender Issues, Economic and Social Development, Women's Economic Autonomy, Public Policies, Labour Market and Inequality, through quantitative and qualitative methodologies.

2021

● **Coordinator - Political Science Research Group: Human Rights**
Gender and Transparency - Data and Macrodata Department - University of Buenos Aires (UBA)

📍 Buenos Aires

- Research on the role of government information in guaranteeing access to women's rights. I coordinate a group of students that focus on improving methodologies to gather data on gender identity.

2019
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2018

● **Research Assistant**
Catholic University of Uruguay - Social and Political Sciences Department

📍 Montevideo

- Collaborated in Urban Studies research and in Gender and Mobility projects.

2016
|
2015

● **Junior Researcher**
Interdisciplinary Center for Development Studies - Uruguay (CIEDUR) - Gender and Development Department

📍 Montevideo

- Assisted in gender-sensitive public policy evaluation processes.

2014

● **Field Supervisor**
Interdisciplinary Center for Development Studies - Uruguay (CIEDUR) - Gender and Development Department

📍 Montevideo

- Supervised field work in statistical surveys.

2014
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2013

● **Research Assistant**
University of the Republic - Faculty of Social Sciences - Institute of Political Sciences

📍 Montevideo

- Assisted in research on political parties and foreign policy in Uruguay. Conducted interviews with national representatives and senators, and processed data from legislative census.

- 2013 ● **Honorary Collaborator**
Catholic University of Uruguay 📍 Montevideo
• Processed data for a project that aimed to evaluate the performance of mayors and councilmen in Uruguay.

TEACHING EXPERIENCE

- 2021
|
2020 ● **Lecturer in charge**
Catholic University of Uruguay - Social and Political Sciences Department 📍 Montevideo
• Undergraduate course in Sociology - Subject 'Family, Gender and Generations'
- 2020 ● **Teaching Assistant**
Interdisciplinary Center for Development Studies - Uruguay (CIEDUR) - Gender and Development Department 📍 Virtual
• Virtual course: 'Feminism and the Challenges in Latin America: Pandemic, Technology and Care'

PUBLICATIONS

JOURNAL ARTICLES

- 2023 ● **De los Santos, Daniela & Fynn, Inés.**
'From Safety Net to Safety Trap: Informality and Telework During the Coronavirus Pandemic in Latin America.' *American Behavioral Scientist (ABS)*. <https://doi.org/10.1177/00027642231155365>
- 2020 ● **Larrosa, Ivahanna, Espino, Alma & De los Santos, Daniela.**
'El enfoque de Derechos Humanos y la perspectiva de género en las Políticas Públicas: logros y desafíos para Uruguay'. *Akademía. Revista Internacional y Comparada de Derechos Humanos*, UNAM, 3(1), 403-447. <https://bit.ly/3DxIRVs>
- 2019 ● **Espino, Alma & De los Santos, Daniela.**
'Futuro del trabajo en Uruguay. La visión de los actores del mundo laboral y social'. *Revista MERCOSUR de políticas sociales*, 3, 69-84. <https://doi.org/10.28917/ism.2019-v3-69>

BOOK CHAPTERS

- 2021 ● **Espino, Alma & De los Santos, Daniela.**
'Labour markets and informal work in the Global South'. In: Berik, Günseli y Kongar, Ebru (eds.). *The Routledge Handbook of Feminist Economics*. Routledge. <https://doi.org/10.4324/9780429020612>
- 2021 ● **Espino, Alma & De los Santos, Daniela.**
'Pobreza y género en Uruguay: la capacitación laboral'. In: Pautassi, L. & Marco, F. (coords.). *Feminismos, cuidados e institucionalidad: Homenaje a Nieves Rico*. Fundación Medifé. <https://bit.ly/3sJSb6j>
- 2020 ● **Hernández, Diego & De los Santos, Daniela.**
'Mobility and Gender Equity in Latin America: Different Mobile Burdens and Contributions in Montevideo (Uruguay)'. In: Oviedo, D., Villamizar, N. y Ardila, A. (eds.). *Urban Mobility and Social Equity in Latin America: Evidence, Concepts, Methods*. Emerald Group Publishing. <https://doi.org/10.1108/S2044-994120200000012006>

- 2019 ● **De los Santos, Daniela.**
'Trayectorias vitales de adolescentes uruguayos y vulnerabilidad a mediano plazo entre 1991 y 2016: permanencias y cambios.' In: *Infancia, adolescencia, familias*. Instituto Juan Pablo Terra. <https://bit.ly/3oVSvgC>



POLICY BRIEFS

- 2023 ● **Madrigal, Mariela, Álvarez, Marta, De los Santos, Daniela & Pardo, Renata.**
'Multidimensional Poverty Index with a focus on women: A proposal for Latin America and the Caribbean'. UNDP Global Policy Network Brief. https://bit.ly/gender_mpi
- 2022 ● **De los Santos, Daniela.**
'Mapping Care: Innovative tools for georeferencing care supply and demand in Latin America and the Caribbean'. UNDP-LAC – Policy Notes 14. https://bit.ly/undp_georeferencing_care



OTHER ARTICLES

- forthcoming ● **Llanos, Beatriz, De los Santos, Daniela & Incio, José.**
'Mujeres en movimiento(s): el poder del activismo, la incidencia y las estrategias digitales para impulsar transformaciones.' Atenea. PNUD, ONU Mujeres e IDEA Internacional.
- 2021 ● **Espino, Alma, De los Santos, Daniela & Salvador, Soledad.**
'Impacto de la pandemia en el empleo y los cuidados desde una perspectiva de género en Uruguay'. *RISEP Series* (Social Science Research Network to face the Aftermath of the Pandemic), 14, <https://bit.ly/3chDfU3>
- 2020 ● **Espino, Alma & De los Santos, Daniela.**
'Pandemia, políticas públicas y desigualdades de género en Uruguay'. UN Women. <https://bit.ly/3cDLdr9>
- 2018 ● **De los Santos, Daniela & Salvador, Soledad.**
'Corresponsabilidad en los cuidados en la primera infancia y trayectorias laborales de las mujeres'. Ministry of Social Development. <https://bit.ly/31bTYBL>
- 2016 ● **Salvador, Soledad & De los Santos, Daniela.**
'Economía del Cuidado, relaciones de trabajo y normas internacionales.' *Análisis*, 2, FES Sindical (Friedrich-Ebert-Stiftung Asociation, Union Workers Project). <https://bit.ly/3lwZdHT>



REPORTS AND WORKING PAPERS

- 2023 ● **Álvarez, Marta, De los Santos, Daniela & Pardo, Renata.**
'Mapping the socio-economic consequences of COVID-19 in Latin America and the Caribbean and the adopted responses for recovery'. UNDP-LAC. https://bit.ly/mapping_consequences
- 2022 ● **De los Santos, Daniela, Fernández, Mayra & Salvador, Soledad.**
'Cambios en las estrategias de cuidado en el interior del país e impactos en la inserción laboral femenina (2014- 2018).' Working paper - Project funded by National Agency of Innovation and Research. <https://redi.anii.org.uy/jspui/handle/20.500.12381/588>
- 2021 ● **De los Santos, Daniela & Fernández, Mayra.**
Comercio electrónico y género en Uruguay: transformaciones recientes y la mirada hacia la post-pandemia. CIEDUR - Gender and Commerce Network. <https://bit.ly/3lwv23r>
- 2021 ● **Fernández, Mayra & De los Santos, Daniela.**
Encuesta a personas dueñas de emprendimientos que funcionan a través del comercio electrónico. CIEDUR - Gender and Commerce Network. <https://bit.ly/3oWnTvt>

- 2021 ● **De los Santos, Daniela.**
Género y Vulnerabilidad en Honduras: Análisis sobre el otorgamiento de transferencias a trabajadores y trabajadoras afectadas por la pandemia del COVID-19. UNDP.
- 2020 ● **De los Santos, Daniela.**
Encuesta a Mujeres Empresarias. CIEDUR - Chamber of Commerce, Uruguay. <https://bit.ly/3gdUSW1>
- 2019 ● **Espino, Alma & De los Santos, Daniela.**
El futuro del trabajo en los países del MERCOSUR. Capítulo Uruguay. Social Institute of Mercosur. <https://bit.ly/3b1XvqA>
- 2019 ● **Espino, Alma & De los Santos, Daniela.**
La segregación horizontal de género de los mercados laborales de nueve países de América Latina y el Caribe: implicancias para las desigualdades entre hombres y mujeres. ILO-UNDP. <https://bit.ly/37M95En>
- 2017 ● **Espino, A., Salvador, S., De los Santos, D., Alles, V. & Porto, C.**
Mapa de género del mercado de trabajo, 2017. CIEDUR. <http://mapadegenero.ciedur.org.uy/>

RECENT DATA-RELATED PROJECTS

- 2021 | 2020 ● **Georeferencing tool for Care Services based on Data Mining and Crowdsourcing Mapping**
UNDP
 - Responsible for the design of a georeferencing tool that maps care services in urban and rural areas, combining traditional data sources with data mining tools and crowdmapping. It exploits Google Places API using 'googleway' R package and promotes the implementation of crowdsourcing mapping through tools like QField and KoboToolbox. In addition to mapping care services, the tool also maps the demand for care services in a region, and incorporates accessibility models. Apart from the design, I was responsible for the implementation of this tool in the city of Bogota, with the objective to map private sector care services, as well as community-oriented care services, in the process of the design of the Bogota's District Care System.
 - R | QGIS | QField | ArcGIS | Leaflet | KoboToolBox | PowerBI | Excel
- 2021 ● **Social Network Analysis**
UNDP
 - Analysis of eight women's organizations' activities in social media, in the project "New women's movements in Latin America.
 - R | Python | Gephi
- 2021 | 2020 ● **Global Gender COVID-19 Response Tracker**
UNDP
 - Collaboration in the methodological design, data collection and analysis of the "[Global Gender COVID-19 Response Tracker](#)", that tracks policies and measures in response to COVID-19 in the fields of Social Protection, Economic and Fiscal Response and Violence against Women and Girls, and analyses each policy from a gender perspective.
 - R | Excel | PowerBI
- 2021 | 2020 ● **Socioeconomic Impact Assesments: Gender and COVID-19**
UNDP
 - Responsible for the design of a [Model Survey: 'Socioeconomic and Gender Impact of COVID-19 on households'](#). This survey was taken as a key input in different household surveys applied in Latin American and Caribbean countries during 2020, such as Chile, Panama, Suriname or the Dominican Republic. Collaborator in the design, processing and analysis of Socioeconomic Impact Assessment Survey aimed at [indigenous communities in Suriname](#), in the context of the crisis of the COVID-19.
 - R | Stata | KoboToolbox

- 2021 ● **Future of work, Gender and Ecommerce**
 CIEDUR - Gender and Commerce Network
 - Responsible for the design, implementation and analysis of a virtual survey that gathered novel information about entrepreneurs that conduct their businesses via informal ecommerce channels and social networks.
 - R | Google Data Studio
- 2021 ● **Gender Identity Variable in Surveys and Records**
 University of Buenos Aires
 - Responsible for the design, implementation, data processing, analysis and visualization of a survey experiment, that gathers information about the best ways to ask about gender identity in data gatherings.
 - R | KoboToolbox
- 2020 ● **Female-led businesses**
 CIEDUR - Chamber of Commerce
 - Responsible for the implementation, data processing, analysis and visualization of a virtual survey that gathered information about female-led businesses in Uruguay.
 - R



ACHIEVEMENTS

- 2017 | 2016 ● **Research Grant Juan Pablo Terra**
 Juan Pablo Terra Research Projects Contest. 📍 Montevideo
 - Topic: Transition to Adulthood.
- 2017 ● **Research Grant for Young Researches ECLAC-MIDES**
 ECLAC-Ministry of Development Research Projects Contest. 📍 Montevideo
 - Topic: Homelessness.
- 2014 | 2010 ● **Scholarship of Academic Excellence**
 Catholic University of Uruguay 📍 Montevideo
 - 100% funding for Bachelor Degree.

DISSEMINATION ACTIVITIES

PRESENTATIONS

- 2021 ● **Gender and E-Commerce in Uruguay**
[Webinar](#) presenting the results of investigation '*Comercio electrónico y género en Uruguay: transformaciones recientes y la mirada hacia la post-pandemia*', held by CIEDUR.
📍 Virtual
- 2020 ● **¿Qué desafíos enfrentan las mujeres trabajadoras hoy y ante el escenario post-pandemia?**
[Webinar](#): "Challenges of the Future of Work for Gender Equality during the pandemic", CIEDUR 📍 Virtual
- 2019 ● **'Corresponsabilidad en los cuidados en la primera infancia y trayectorias laborales de las mujeres'**
 Presentation in seminar on Views on Care Policy, held by the Care Academic Network 📍 Montevideo
- 2019 ● **Social Research using R**
 Presentation in R Users Group Meetup 📍 Montevideo
- 2019 ● **'Trayectorias vitales de adolescentes uruguayos y vulnerabilidad a mediano plazo entre 1991 y 2016: permanencias y cambios'**
 Presentation of the book 'Infancia, adolescencia, familias' [Childhood, Adolescence, Families] 📍 Montevideo
- 2018 ● **'Economía del cuidado, relaciones de trabajo y normas internacionales'**
 Presentation for COSEC-FES (Friedrich-Ebert-Stiftung) on care economy and international relations. 📍 San Salvador
- 2018 ● **'Procesos de transición a la adultez de adolescentes y jóvenes montevideanos: perspectiva de género y vulnerabilidad social'**
[Seminar](#) on Public Policy and Youth Employment. Montevideo Local Government. 📍 Montevideo
- 2018 ● **'Corresponsabilidad en los cuidados en la primera infancia y trayectorias laborales de las mujeres'**
 Seminar on Research for Early Childhood Policies, UCC/MIDES 📍 Montevideo

WORKSHOPS

- 2022 ● **'Cambios en las estrategias de cuidado en el interior del país e impactos en la inserción laboral femenina (2014- 2018).'**
[Workshop](#) with public officials working in care policy in Uruguay, presentation of Working paper (see Publications).
📍 Montevideo
- 2021 | 2020 ● **Gender-sensitive Indicators and Monitoring and Evaluation Systems**
 I have facilitated this workshop in three instances for internal UNDP capacity development instances, as well as in three training sessions for public officials in Honduras (see example [here](#)), between July 2020 and October 2021.
📍 Panama (virtual) | Tegucigalpa (virtual)
- 2021 ● **Twitter data mining to analyze political events and social movements**
[Workshop](#) facilitated virtually for RLadies-Guadalajara. 📍 Guadalajara (virtual)

- 2020 ● **Analysis of the impacts of the COVID-19 on workers of six economic sectors**
Workshop: "Situation of Women in the Labor Market: challenges in the new context", held by the Trade Union Confederation of the Americas (TUCA). Six economic sectors in the Americas were analysed in-depth: Tourism, Care and Domestic Work, Manufacturing, Healthcare, Informal sector and Retail.
📍 Virtual
- 2018 ● **'Mujeres y Trabajo del Futuro en América Latina y El Caribe'.**
Workshops held by the Women's Comitee of the Trade Union Confederation of the Americas (TUCA) on gender and the future of work.
📍 Bogotá

📡 PRESS

- 2021 ● **Social media analysis focusing on cyberattacks suffered by unions of healthcare workers during the pandemic**
[Radio Interview](#) - Programme 'La isla desierta' - Bárbara Radio.
📍 Montevideo
- 2021 ● **Impact of the pandemic on gender gaps in Uruguay**
[Radio Interview](#) - Programme 'Así Nos Va' - Carve Radio.
📍 Montevideo
- 2020 ● **'COVID-19: Los límites a la informalidad en tiempos de distancia social.'**
[Article](#) in Academic Blog *Razones y Personas: Repensando Uruguay*
📍 Montevideo
- 2020 ● **'¿Cuál es el futuro del trabajo?'**
[Interview](#) in Podcast *FES LATINA* about perspectives on the future of work in the face of the pandemic.
📍 Bogotá
- 2019 ● **'El futuro del trabajo. Una perspectiva para Uruguay.'**
[Article](#) in Academic Blog *Va de Nuevo*.
📍 Montevideo