Curriculum Vitae

Personal Information and Contact Details

Full Name: Tania Echagüe
Date of Birth: 05/12/1988.
Nationality: Uruguayan.
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Professional Profile

Economist specialized in the production and structuring of databases, their processing, and statistical-econometric analysis. Quantitative focus with expertise in data science and impact evaluation of public policies on various market variables.

Passionate about EDA and ETL processes. Enthusiastic follower of the latest trends in machine learning and database modeling.

Academic Background

Master's Degree

Master's in International Economics
Institution: Universidad de la República, Faculty of Social Sciences
Start Date (Re-enrollment due to curriculum change, 2019): February 2020
End Date: Ongoing
GPA: 8 (on a scale of 1 to 10, corresponding to "Very Good")
Note: 100% of courses completed. Currently working on the Master's Thesis using Manchine Learning to evalute de impacto f Social Programs.

Undergraduate Degree

Bachelor's in Economics
Institution: Universidad Católica del Uruguay
Start Date: March 2007
End Date: June 2012
GPA: 4.88 (on a scale of 1 to 6, corresponding to "Very Good")

Additional Courses and Training

Data Science

Institution: IBM
Date: September 2025.
Completion Status: 100% of coursework approved.
Approval Method & Certifications: Modular exams.

Data Analist of Power BI

Institution: IBM
Date: October 2025.
Completion Status: 50% of coursework approved.
Approval Method & Certifications: Modular exams.

Data Analist with Python

Institution: IBM
Date: November 2025.
Completion Status: 100% of coursework approved.
Approval Method & Certifications: Modular exams.

Data Management

Institution: AGESIC
Date: August to September 2023
Approval Method & Certifications: Attendance.

Big Data and Skills Gaps

Institution: ILO/Cinterfor
Date: September to December 2022
Approval Method: Attendance.

Institutional Capacity Building for Effective Labour Market Information Systems

Institution: ILO
Date: November to December 2020
Approval Method: Attendance.

Diploma in Gender and Public Policies

Institution: FLACSO
Date: March to December 2016
Approval Method: Final exam.

Labour Market, Poverty, and Inequality Course

Institution: CEDLAS
Date: June 2015
Approval Method: Attendance and completion of homework assignments.

Social Policy Impact Evaluation

Institution: Universidad de Montevideo, ALJPAL
Date: March 2014
Approval Method: Attendance.

Languages

FIRST Certificate in English

Institution: University of Cambridge
Date: December 2011
Approval Method: Exam.

Computer Skills

R

Institution: UETSS Training, MTSS
Date: May to December 2024
Approval Method: Attendance.

Python

Institution: IBM
Date: February 2024 to February 2025
Approval Method: -

STATA

Institution: BIOS
Date: October to December 2021
Approval Method: Submission of homework assignments.

SQL

Institution: UDE, Universidad de la Empresa
Date: September to October 2021
Approval Method: Submission of homework assignments.

POWER BI

Institution: Coursera
Date: February to July 2025.
Approval Method: Submission of homework assignments.

Work Experience

Economist

Position: Professional, Economist
Institution: Labour Market and Social Security Statistics Unit (MTSS)
Start Date: November 2013
End Date: Present

Main Responsibilities:

- Database management using various statistical software (SQL, R, Stata, Python).

- Development of labour market statistical indicators.

- Statistical and economic analysis of labour market information and various social policies.

- Participation in multidisciplinary teams for report preparation and project development.

- Evaluation of the impact of different social policies (INEFOP programs, Uruguay's Collective Bargaining, effects of the pandemic on the labour market, etc.) through econometric procedures.

- Analysis of training programs for unemployed workers by INEFOP and their impact on employment duration, unemployment duration, etc.

- Biannual and annual reports on Labour Demand Characterization based on classified job ads in newspapers.

- Sectoral reports as input for collective bargaining negotiations.

- Participation in sectoral councils to provide technical support and information to promote the development of economic sectors (for business chambers and unions).

Key Competencies:

- Handling diverse data sources.

- Database generation and management (Excel, Stata, R, Python, SQL formats).

- Econometric analysis for policy and program impact evaluation.

- Labour market reports through statistical analysis and management of National Statistics Institute databases (administrative records, censuses, surveys, etc.).

SQL and Power BI Instructor

Position: Instructor
Institution: Instituto de desarrollo profesional y empresarial (IDPE)
Start Date: July 2025, ongoing.
End Date: Present

Main Responsibilities:

- Design and deliver SQL and Power BI courses from beginner to advanced level for classes of approximately 30 students with varying levels of prior knowledge.

- Develop structured lesson plans, practical exercises, and real-world case studies to enhance learning and application of SQL and Power BI concepts.

- Guide students through database fundamentals, querying techniques, joins, subqueries, aggregations, and advanced SQL functions.

- Teach Power BI data modeling, DAX calculations, visualization design, and dashboard publishing in Power BI Service.

- Provide individualized support to students with different learning paces and backgrounds, ensuring knowledge acquisition and skill development.

- Evaluate student progress through assessments, practical projects, and problem-solving exercises.

- Encourage analytical thinking and best practices in data analysis, visualization, and reporting.

- Maintain updated course materials reflecting the latest SQL and Power BI features and industry standards.

Key Competencies:

- Expertise in relational databases, SQL querying, and optimization techniques.

- Proficiency in Power BI data modeling, DAX, and visualization best practices.

- Ability to adapt teaching methods to different learning styles and levels.

- Strong curriculum design skills integrating theory with practical applications.

- Experience in real-world data analytics projects to provide industry-relevant examples.

- Effective classroom management and communication skills to engage diverse audiences.

- Capability to assess and track student learning outcomes.

- Commitment to fostering problem-solving, critical thinking, and self-learning abilities in students.

Other

Published Articles

- **Impact of Training Programs on Employment and Unemployment Duration (2009-2013),** November 2015 (MTSS).

- **Effect of Collective Bargaining Councils on Private Sector Wages (2005-2015),** co-authored with Virginia Cabrera.

- **Ethnic-Racial Background and Labour Market,** March 2018 (MTSS).

- **Ethnic-Racial Background and Labour Market Report 2017,** July 2017 (MTSS).

- **Key Labour Market Indicators for Northern Departments of the Country,** 2016 (MTSS).

GitHub

LinkedIn