Maria C. Sanchez Linares

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EDUCATION

Macalester College, St. Paul, MN | Bachelor of Arts Expected May 2025 | **GPA:** 3.61/4.00
Universidad de Málaga, Spain
ISEP Exchange Program – Spring 2024
Data Science Major, Economics Minor | **Honors:** Kofi Annan Scholarship for academic excellence
Relevant Coursework: Intermediate Data Science, Statistical Machine Learning, Statistical Modeling, Multivariate Calculus I and II, Probability, Projects in Data Science, Intro to AI, Intermediate Microeconomics & Macroeconomics.

WORK EXPERIENCE

Education Analytics Inc. | *Research Analyst Intern*   June 2024 – Present
- Support 2 cross-functional teams on internal projects: measuring student growth through statistical modeling, and developing and maintaining a student metrics Shiny dashboard,
- executing ad-hoc tasks related to data quality control, data management, and analysis investigation.
- Engage in weekly meetings with 2 different clients to review project progress, obtain feedback, and ensure alignment with partner goals and expectations.
- Led a 3-month independent research project analyzing the causes of teacher turnover trends in all 2,276 public schools in Wisconsin, working alongside the Analyst and Research Teams at EA.
- Delivered a 6-script code repository, technical documentation, and an extensive project report with key findings on the prevalent issues among teachers, culminating in a formal presentation to senior staff.

PREDOC & Opportunity Insights | *Student Intern*   June 2023 – August 2023
- Conducted an empirical research project on social mobility under the guidance of Prof. Bruich from the Harvard University Department of Economics, participating in classes and weekly advisory meetings.
- Developed and analyzed an empirical model on US-wide tax revenue and demographic census tract-level data, through qualitative research, data wrangling, and statistical modeling techniques in STATA.
- Summarized results through a written report, 8 graphs and regression tables in R.
- Chosen as one of the 5 best students out of 50 to present my research findings at a conference hosted by the Federal Reserve Board of Governors.

UVA School of Data Science Data Justice Academy | *Research Fellow*   May 2024 – August 2023
- Analyzed different data collection methods and developed a comprehensive literature review on the invisibility and misrepresentation of transgender people in official health statistics.
- Employed R tools to curate a list of all federally supported survey data and designed a set of data visualizations displaying the proportion of surveys collecting specific information across different SOGI areas.
- Contributed research findings to a report being developed by the UVA Center for Global Health Equity.

Macalester College | *Undergraduate Teaching Assistantship*   January 2023 – Present
- Facilitate learning by holding 2 weekly tutoring lessons for students to meet personal and course objectives in the Intro to Data Science and Financial Accounting courses.
- Grade and provide feedback to over 60 students on a weekly basis.

LEADERSHIP & CIVIC ENGAGEMENT

Starr Hill Pathways | *Student Mentor*   June 2023 – July 2023
- Taught Intro to Sports Analytics workshops to 30 middle schoolers at a STEM career exploration program.
- Expanded the program's curriculum to incorporate the achievements and perspectives of female athletes, enriching the students' educational experience through the design of a new workshop.

Adelante! Latinx Student Organization | *President*   September 2021 – December 2023
- Organized 1-2 events per month, including cultural celebrations, panel discussions, and workshops, attracting a thriving membership base of over 80 students.
- Administered $8,000 yearly budget, moderate weekly board meeting and delegate tasks to 15 board members.

SKILLS

- **Languages**: Spanish (native speaker), English (fluent).
- **Programming Languages:** R, Python, Java, Stata, SQL, SPSS.
- **Software & Tools:** Microsoft Excel and PowerPoint, Google Suit, Tableau, Canva, Plotly, Git, Snowflake.