**Stacy Caeiro**

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**EDUCATION**

**Northwestern University** - Evanston, IL   
***Bachelor of Arts*** *in* ***Data Science*** *and* ***Global Health Studies*** Expected **June 2025**

* GPA: **3.77**/4.00; **Dean’s List: 6/9 quarters**

**WORK EXPERIENCE**

**Chamberlain Group** – Oak Brook, IL **June 2024 – September 2024**

***Data Visualization Intern***

* Created data visualizations across 5 Power BI reports to efficiently showcase current and historical company sales and product function data to internal consumers
* Connected two databases from Google Big Query and SAP Business Warehouse to Power BI to visualize frequently utilized company data
* Computed data models in Power BI using SQL statements to manage relationships among underly data tables

**Center for Civic Engagement** – Evanston, IL  **September 2022 – June 2024**

***Fellow, Undergraduate School Lead***

* Facilitated weekly mentoring sessions for 8 low-income middle school students by guiding mentor-mentee pairs through research-accredited activities to teach socio-emotional coping strategies
* Organized lesson agendas for weekly classes to teach 30 NU students about youth mentoring and cultural competency skills to prepare them to become mentors for the Cities Mentoring Project

**CODING PROJECTS**

**Redlining and Socioeconomics Outcomes Dashboard** –R (Shiny)  **June 2024**

***STAT 302: Data Visualization***

* Created a Shiny dashboard in R that displays two plots and a selection widget to see relationships between 5 socioeconomic indicators and neighborhood loan risk rating and percent of white residents respectively
* Cleaned and joined data from two datasets, the Home Owner Loan Corporation redlining ratings and Chicago Health Atlas, to connect historic redlining practices with current resident outcomes by census tract

**Predicting the Severity of Car Accidents** –R (tidymodels)  **March 2024 - June 2024**

***STAT 301-3: Data Science with R III***

* Computed and trained 16 supervised machine learning models in R with feature engineering to develop a final predictive model that can accurately classify a car accident as minor or severe
* Collaborated with 3 students via GitHub to manage our time by splitting the data modeling tasks to complete project by the professor’s deadline

**Vaccine Hesitancy Bivariate Analysis** – Python (pandas) **September 2023**

***Personal***

* Merged and cleaned 3 datasets in Python about vaccine safety perception, corruption perception index, and geographic region labels to analyze the relationship between vaccine hesitancy and perceived corruption
* Implemented a custom Python function to perform subgroup analysis by calculating correlation coefficients and p-values for different sub-regions to gain insights into regional variations of the relationship

**SKILLS**

* **Programming Languages:** R, Python, SQL
* **Softwares:** Power BI, Google Big Query, SAP Business Warehouse, GitHub, MS Office, MS Excel