

# Maxine Nussbaum

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Denver, CO • 703-945-0822 • maxine.nussbaum@du.edu • linkedin.com/in/maxinenussbaum • <https://maxinusss.github.io>.

## Objective

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Dedicated and motivated Quantitative Analysis graduate student seeking entry level data science/data visualization position. Hoping to leverage BA in Philosophy and International Studies, with an MA with a specialization in Quantitative Analysis to provide new insights to data visualization and analytics.

## Skills

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**Data Visualization:** Proficient in R's GGPlot2 and similar packages, Tableau, and Python's Seaborn and Matplotlib packages

**Data Science and Database Management:** Proficient in R, Stata, Python's Numpy and Pandas, and SQL Server

**Other:** Proficient in LaTeX, Microsoft Excel, Word, and Powerpoint; Beginner in HTML5 and CSS

**Language:** Intermediate in French, and Arabic

## Education

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### Josef Korbel School of International Studies - University of Denver

Denver, CO

*Candidate Masters of International Studies, specialization in Quantitative Analysis*

Expected Graduation: March 2021

- GPA 3.95
- Specialization in quantitative analysis, specifically focused on statistical regression analysis, and data visualization
- Taking quantitatively-focused classes within the Masters in Business Analytics degree program

### University of Denver

Denver, CO

*Bachelors of Arts in International Studies and Philosophy*

September 2016 - June 2020

- GPA 3.75, graduated Cum Laude
- University Honors Program 2016-2020
- Equivalent of Arabic Minor (two years study)

### University of Zurich

Zurich, Switzerland

*One semester exchange program: Econometrics Major*

September 2018 - January 2019

## Professional Experience

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### ArcherDx

Boulder, CO

*Regulatory Affairs and Data Science Intern*

June 2020 - August 2020

- Created a web-based complaint trending data visualization application, by programming with R's Shiny Package and GGPlot2, to create the tool which analyzed product success and customer feedback. \*See Projects for link to the tool
- Worked on updates to technical files for Archer's next-generation cancer sequencing technology in the regulatory affairs department, specifically focused on Japanese market regulations.

### Frederick S. Pardee Center for International Futures

Denver, CO

*Research Assistant*

February 2019 - June 2020

- Analyzed different aspects of international leadership and policy in order to create robust datasets concerning topics such as world leader travel and world arms capacity.
- Worked with Pivot Tables in Microsoft Excel in order to analyze impacts of the data while working on two projects.
- Worked on the Military Inventory project and the Heads of Government and State project to create datasets used by the US Department of State.

### Diana Bray Campaign for U.S. Senate

Denver, CO

*Intern and Social Media Lead*

January 2020 - March 2020

- Managed social media including Instagram, Facebook, LinkedIn and Twitter.
- Helped with campaign strategy, specifically grassroots fundraising, and managing volunteers.

### University of Zurich

Zurich, Switzerland

*Research Assistant*

September 2018 - January 2019

- Utilized Stata for data visualization and analysis, as well as LaTeX for formatting and programming of working papers.
- Conducted quantitative analyses on econometrics data in order to analyze financial impacts of certain markets within developing countries.
- Researched for Dr. Kai Gehring in the Political Science department at the University of Zurich.

## Projects

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Complaint Handling Quality Control Web Application created for ArcherDx: <https://maxinusss.shinyapps.io/ComplaintTool/>  
Tableau Data Visualization Portfolio: <https://public.tableau.com/profile/maxine3215#!/vizhome/Finalvisideas2/Story1>

## Leadership Experience and Volunteering

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### **Club Women's Volleyball**

*President*

*Treasurer*

May 2019

University of Denver

May 2019 - May 2020

May 2018 -

### **Paper Airplanes**

*Tutor*

Remote

September 2017-November 2018

- Paper Airplanes is a non-profit organization that teaches english to arabic-speaking refugees hoping to complete the TOFEL or related english-competency exams to gain employment and other opportunities..