MAXIMILIAAN LANDESZ

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OBJECTIVE

Masters Candidate in Applied Economics and Finance and a Research Assistant with a strong foundation in R, Python, regression modeling, handling large datasets and NLP seeking full-time data analyst/quantitative research roles.

EDUCATION

Master of Applied Economics and Finance, University of California, Santa Cruz — Expected June 2023
Relevant Coursework: Applied Econometrics, Python & R Lab, Macroeconomics, Microeconomics

Bachelor of Economics, University of California, Santa Cruz — 2018 - 2022
GPA: 3.85
Undergraduate Dean's Scholarship (5x Dean's Honors List)
Research Assistant for the Income Dynamics Lab

SKILLS

Technical Skills	R, Python, SQL
Soft Skills	Strong analytical skills, communication, problem solving, team player
Other Skills	Fluent in Dutch and English, experience writing research papers in LaTeX

EXPERIENCE

Research Assistant — Jan 2022 - Present
Income Dynamics Lab, UCSC — *Santa Cruz, CA*

- Utilized Python, Pandas, NumPy, and the 'Recordlinkage' package to perform data cleaning, preprocessing, and fuzzy matching on large datasets for improved accuracy in analysis.
- Developed Python and R scripts to perform various data cleaning, merging and statistical analyses including Natural Language Processing such as lasso regression.

Executive Committee - Treasurer — May 2020 - July 2022
Sigma Pi, UCSC Chapter — *Santa Cruz, CA*

- Managed excel spreadsheets for budgeting and financial records, ensuring accurate tracking of expenses and income.
- Implemented effective strategies to collect outstanding dues from members, resulting in improved financial stability for the fraternity.

PROJECTS

Scraping data for Indian Electricity Markets. My most recent project is focused on building a PDF scraping file in Python that can recognize tables and extract them based on specific keywords. The resulting tables will be cleaned and merged to create a machine-readable .csv format

NLP Project using Congressional speech data Build a project as an undergraduate research assistant I was coding the NLP workflow to convert Congressional speech data into bigrams to use as regressors in gamma Lasso regression from the 'gamlr' package in R. Lasso was used here as a regularization method to select the most relevant features (i.e. words) to predict political slant.

Fuzzy Matching Indian job card and SHG data Python code uses fuzzy matching techniques to match location information between the two datasets using the recordlinkage library. The output is a DataFrame containing the potential matches based on a defined match percentage.