MATTEO LARRODE

Data Analyst

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EDUCATION

Politics, Philosophy and Economics B.Sc

Specialization: Quantitative Research Methods

University College London (UCL)

📅 September 2020 - May 2024
📍 London, UK

Relevant courses
- Quantitative Research Methods
- Data Analysis
- Microeconomics
- Macroeconomics
- Mathematics for Economics
- International Conflict & Cooperation

CS50x: Introduction to Computer Science

HarvardX

📅 April 2022 - August 2022
📍 Online learning initiative of Harvard University through edX

SKILLS

Data Analysis (R, Python)
- Machine Learning: time-series, text analysis
- Regression & Statistics modelling
- Data Visualization: maps, plots (ggplot, matplotlib)
- Version Control: git, GitHub
- Other: C (novice), SQL (novice)

Academic Research
- Gathering & compiling relevant literature
- Writing essays and briefs: first-class graded essays in Int'l Relations, Political Philosophy, and Public Policy

ACTIVITIES

- Volunteering: UNICEF Young Ambassador, Charity Races
- Sport: Football (10 years), National Track and Field Judge, Climbing

WORK EXPERIENCE

Elliott School of International Affairs, The George Washington University

Research Assistant - supervised by Laila Sorurbakhsh, Ph.D.

📅 August 2022 - current   📍 Washington, DC

- Spearheading the rework of a $250,000 National Research Foundation grant proposal, using feedback received from its previously declined iteration
- Maintaining accurate records of project meetings, preparing progress reports, planning and preparing the material for future discussions
- Performed initial data analysis (negative binomial regression) and presented results to senior researchers, adapting my communication depending on their level of expertise

Research Assistant - oversaw by Emmanuel Teitelbaum, Ph.D.

📅 September 2022 - current   📍 Washington, DC

- Building an interactive RShiny web application to map and vizualise party domination in India over 5 decades
- Compiled and analyzed data surrounding general and regional elections in India
- Discussed with 5 senior researchers in South Asian studies to gather their innovative ideas for the project, and tailor it to their needs

UCL United Nations Associations

Training Officer

📅 2020 - current   📍 London, UK

- Collaborated with experienced, prestigious speakers to host seminars and networking events, and led negotiation, writing and communication workshops
- Supervised a negotiation team at a COP Conference model: defined a clear agenda, assigned roles, summarized debates into concise notes, prepared presentations
- Negociated and partnered with delegates to adopt a resolution as the delegate of France in the NATO Committee of the 2022 London International Model United Nations (LIMUN)

PROJECTS

Exchange Rate Forecasting Model (Python)

- Collected data using APIs, and pre-processed it
- Conducted exploratory data analysis and data visualisation (matplotlib)
- Built a Machine Learning forecasting model with Facebook Prophet, and performed a critical analysis on the model's shortcomings and potential improvements
- Reported the entirety of the project, explained my methods, and justified my choices using version control (git) on GitHub

Geographically Weighted Models Manager (R)

- Addresses local and global multicollinearity on regression models fitted on spatial data
- Utilized the latest packages (GWmodel) to apply innovative solutions to the problems encountered, and used version control to keep track of the project's progress
- Presented findings to a non-technical audience, and uploaded it on GitHub to receive feedback and foster innovation in this area

Twitter Sentiment Analysis (R)

- Classified tweets using Machine Learning: lasso logit classifier
- Employed critical thinking in the analysis and visualization to best transform raw data into insightful knowledge