

Chasen Jeffries

423-360-9024 | csj@chasenjeffries.com | Alhambra, CA, 91801

<https://chasen-jeffries.github.io/>

PROFESSIONAL SUMMARY

Dynamic and analytical, I bring over two years of specialized experience in international political economy and computational analytics. My expertise lies in data science, where I have excelled in analyzing, integrating, and visualizing complex data to uncover groundbreaking insights in research and policy areas. I am adept at making complex information accessible, having developed comprehensive codebooks and clear, impactful reports for diverse audiences. I am now seeking a role to apply my deep research skills and data science knowledge in policy analysis and decision-making, aiming to significantly contribute to the field of international political economy.

EXPERIENCE

Research Assistant, Claremont Graduate University

08/2022 -

- Conducted open-source research in English and Spanish, creating a novel dataset for exploring political and economic phenomena, enhancing field contributions.
- Extracted and integrated datasets from institutions like the World Bank and UN, enabling detailed analyses and enriching research insights.
- Designed visuals and tables to simplify complex data presentation, improving research clarity and audience engagement.
- Compiled a precise codebook for the master dataset, enhancing its usability and interpretability for diverse research applications.

Teaching Assistant, Claremont Graduate University

08/2023 – 12/2023

- Taught predictive analysis and machine learning using R to students, resulting in enhanced practical skills and theoretical knowledge.
- Explained complex topics such as Neural Networks and NLP, leading to improved student comprehension and application in projects.
- Developed project-based examinations to encourage the development of applied skills in students.
- Created specific ChatGPT prompts to assist students in understanding and applying complex topics to real-world scenarios.

Threat Researcher and Analyst, Red 5 Security

03/2020 – 02/2021

- Developed open-source researching skills, resulting in a doubling of report output.
- Performed high-level, fast-paced threat analysis, producing specific and accurate conclusions that led to actionable reports.
- Crafted precise, clear reports on conducted research and analysis.
- Worked collaboratively on high-priority client requests and projects, effectively balancing immediate report delivery with in-depth research and analysis.
- Trained a new team member in our project's research, analysis, and communication methods, achieving their full integration within two weeks.

EDUCATION

PhD, International Relations & Political Science

08/2021 –

Claremont Graduate University

Relevant Coursework: Natural Language Processing, Policy Design and Implementation, Software Development, Strategic Modeling, Qualitative and Mixed Methods

M.A. International Political Economy

08/2021 – 05/2024

Claremont Graduate University

Relevant Coursework: Statistical Methods, Multivariate Analysis, Data Analysis and Visualization, Computation and Agent Based Modeling, World Politics, International Political Economy, Political Economy of International Development, Comparative Political Economy.

B.A. International Political Economy

08/2015 – 12/2019

High Point University

Relevant Coursework: Post-1945 Middle East, Modern Russia, Revolutionary China

TECHNICAL SKILLS

Languages: R, Netlogo, Git, Python

Tools: ChatGPT, Web-Scraping, Data Pipelines

Research and Analysis: Identify Problems and KPIs, Gather Data, Extract-Transform-Load (ETL) Data, Exploratory Data Analysis (EDA), Feature Selection, Feature Engineering, Model Selection, Model Analysis

Models: OLS, Logit, SVM, XGBoost, Supervised & Unsupervised Learning, Agent-Based Modeling (ABM), ERGM (Network Analysis), Natural Language Processing (NLP), Montecarlo Analysis, AI.

Learning: SQL, Tableau

PUBLICATIONS

- Chasen Jeffries & Karina Y. Kowarsch. Machine Learning Prediction of Intellectual Property Rights Based on Human Capital Factors. In: Yang, X.S., Sherratt, R.S., Dey, N., Joshi, A. (eds) Proceedings of Eighth International Congress on Information and Communication Technology. ICICT 2023. Lecture Notes in Networks and Systems, vol 693. Springer, Singapore.
- Chasen Jeffries & Karina Y. Kowarsch. Book Review: Demystifying China's Innovation Machine: Chaotic Order, by Marina Zhang, Mark Dodgson, and David Gann. Oxford University Press, 2021, 304 pp. Journal of Policy Analysis and Management.
- Chasen Jeffries. Spartan Austerity and Bribery. Colombia Journal of History, Summer 2020 (Volume IV: Issue II)

AWARDS

- DPE Board of Advisors Outstanding Scholar Fund 2022
- Luther J. Lee Jr. Memorial Award 2023
- Research Assistant of the Year Award 2023