

Cyrus Mohammadian

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EDUCATION

USC, LOS ANGELES

PHD, POLITICAL SCIENCE

2009-2016 | Cum. GPA: 3.83

MA, INTERNATIONAL RELATIONS

2009-2012 | Cum. GPA: 3.81

GRADUATE CERTIFICATE

Research Methodology

IU, BLOOMINGTON

BA, POLITICAL SCIENCE AND

CENTRAL EURASIAN STUDIES

2004-2008 | Cum. GPA: 3.7

COMPUTING SKILLS

Advanced

R • SQL • QGIS • \LaTeX • Markdown •

Shiny • Power BI • Snowflake • Azure

Familiar

Stata • Python • SPSS • Graphviz/DOT •

ArcGIS

QUANTITATIVE SKILLS

Experimental Design • OLS • ANOVA •

GLM • Non-parametric Regression •

Random Forest • Time-Series • Predictive

Modeling • Selection Models • Spatial

Statistics • Web Scraping • Network

Analysis • GIS • Data Visualization • ETL

COURSEWORK

USC

Intro to Research Design, Intro to Regression, Quantitative Methods and Statistics II, Experiments in Political Research, Statistical Computing and Data Visualization, Concepts for Spatial Thinking, Spatial Analysis and Modeling

ICPSR

Regression II, Regression III, Maximum Likelihood Estimation, Advanced MLE, Spatial Econometrics, Mathematics for Social Scientists II & III

LINKS

Github:// cmohamma

LinkedIn:// cmohamma

Stackoverflow:// cyrus-mohammadian

Personal Blog: cmohamma.github.io

Website: www.cyrusmohammadian.com

SUMMARY

I am a computational social scientist and data analyst with experience in both academic and private sectors. I graduated with a doctorate from the University of Southern California where my training focused on research design, predictive modeling, spatial econometrics, and data visualization. I am currently working as a business intelligence analyst at MedMen and I recently completed a one year lectureship teaching research methodology courses at Chapman University's Sociology Department.

EXPERIENCE

MEDMEN | BUSINESS INTELLIGENCE ANALYST

2019 – Present | Los Angeles, CA

- Serve as a business intelligence analyst and data engineer working with supply chain and retail teams to produce insights from POS data to maximize inventory efficiency and sales and tasked with data piping, analysis, and reporting related to cultivation, extraction, and manufacturing.

BLIND FOX ANALYTICS | DATA CONSULTANT

2017 – 2018 | San Diego, CA & Washington D.C.

- Served as a data consultant on a range of projects, including work on randomized control trials, designing surveys, assisting in data visualization efforts, implementing machine learning algorithms among others.

CHAPMAN UNIVERSITY | LECTURER, DEPARTMENT OF SOCIOLOGY

2017 – 2018 | Orange, CA

- Taught multiple research methods courses on topics including research design, quantitative methods, qualitative methods, R programming, cross tabulations, difference of means tests and experimental design.

PHEEBO | DATA ANALYST

2016-2017 | Los Angeles, CA

- I served as a data analyst for the software startup Pheebo TV where I leveraged data on user habits to assist in marketing strategy.

USC | RESEARCH ASSISTANT

2011-2013, 2015, 2016 | Los Angeles, CA

- Served as data manager working on a data set compiling international human rights treaties and served as lead researcher on a team coding the Near Crisis Dataset.

CORE COMPETENCIES

Research Design

- Ample experience with research design and causal inference, including surveys, experiments and quasi-experiments (such as research discontinuity design), instrumental variable approaches, and Heckman selection models.

Statistical Modeling

- Extensive background handling observational data and employing statistical models for inference and forecasting.
- Specialization in spatial statistics, GIS, and time-series analysis and familiarity with cross-validation and Bayesian methods.

Data Management and Visualization

- Experience using ggplot2, lattice, data.table, dplyr, plyr, Pandas, and matplotlib.
- Experience with hypervariate data visualization, mapping, and network graphing, in addition to reporting and word processing experience with \LaTeX and Markdown.