

El Mechry El Koudouss

U.S. Permanent Resident | Springfield, VA | (646)-584-3777 | el.mechry.el.koudouss@mg.thedataincubator.com

Technical Skills

PROGRAMMING LANGUAGES: Python | SQL | R | Stata | SAS

DATA SCIENCE & MACHINE LEARNING: Deep Learning/Neural Networks (TensorFlow | Keras | Image Processing with CNNs) | Unsupervised Learning (K-Means | Clustering | PCA) | Ensemble Methods (Voting, Stacking, Bagging, Boosting) | Generalized Linear/Additive Models | Linear & Logistic Regression (Scikit-Learn) | Data Processing & Visualization (Pandas | Matplotlib | Bokeh | Seaborn) | REST API Development

Econometrics: Causal Inference | Spatial Econometrics | Panel Data Models | Time Series Analysis

Education

Data Scientist Certification – Fellowship Program | The Data Incubator | Anticipated May 2022

Ph.D. in Economics | Fordham University | Jan 2022

M.S. in Economics | South Dakota State University | Aug 2014

B.A. in Economics & Mathematics | Augustana University | Aug 2012

Experience

JPMORGAN CHASE

May 2019 – Oct 2019

Strategic Ph.D. Intern – Machine Learning

- Experienced the full cycle of model development, from design to training, testing, validation, and implementation.
- Leveraged economics expertise to provide financial justification for machine learning models.
- Built a dashboard template to bring pipelines to life for non-technical users.
- Contributed to model monitoring for performance, algorithmic bias, and data drift.

CENTER FOR INTERNATIONAL POLICY STUDIES

Aug 2014 – Feb 2022

Graduate Research Fellow

- Conducted data mining and feature extraction to build models of trade and currency competitiveness.
- Increased research reproducibility and saved time by leveraging R and Stata Markdown tools.
- Extensively employed dynamic panel data, multivariate time series, and geospatial econometric methods.

FORDHAM UNIVERSITY

Aug 2014 – Jan 2022

Teaching Fellow

- Authored lecture notes while teaching statistics. Provided examples for each topic covered. Earned respect and appreciation from students.
- Introduced students to programming with the ability to view code and results side by side in lecture slides.
- Facilitated training to other Professors in the program on how to effectively utilize R Markdown. Ensured adoption across the board.

SOUTH DAKOTA STATE UNIVERSITY

Aug 2012 – Aug 2014

Teaching/Research Fellow

- Acted as the Lead Instructor for economics courses that leveraged data models in the analysis of the effectiveness of foreign financial aid.