

# KILLIAN CIMINO

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Versatile data analyst with experience using machine learning and statistical modeling to solve complex problems and inform business decisions. Develop and implement creative solutions in a team or independently. Communicate insights to management effectively and implement algorithms from academic papers from scratch.

## Skills

- Machine Learning (Supervised, Unsupervised)
- Statistical Modeling (Time Series Forecasting)
- Experiment Design
- Command Line
- Data Visualization
- Exploratory Data Analysis
- Data Cleaning
- ELT

## Technical Proficiencies

Python (scikit-learn, pandas, numpy, Keras, Tensorflow), R (Tidyverse, Caret, ggplot2), SQL (Redshift, MySQL), Git (Gitlab, GitHub), dbt, Excel/Google Sheets, Linux

## EDUCATION

### Bachelor of Arts (BA)

Wesleyan University, Middletown, CT, Grad: 2022

**Majors: Russian, East European, and Eurasian Studies; Feminist, Gender, and Sexuality Studies**

Minor: Data Analysis

GPA: 3.7/4.0

*Related Coursework: Bayesian Analysis, Experimental Design and Causal Inference, Longitudinal Data Analysis, Survival Analysis, Hierarchical Linear Models, Latent Variable Analysis, Applied Economics, Exploratory Data Analysis, Applied Data Analysis*

## PROFESSIONAL EXPERIENCE

### VROOM - New York, NY

June 2022 – May 2023

#### Advanced Analytics Analyst / Data Analyst (Remote)

Provided analyses for multiple areas of business, including acquisition, budgeting, and marketing. Worked closely with the data science team to create a forecast for SKUs required, produce models to predict lead time for cars, and update legacy code for an inventory management system. Delivered weekly reports and provided ad hoc analysis to management with a focus on providing insight on how different marketing scenarios could affect profit.

- » Improved the error metric of acquisition forecast over 50% through utilizing traditional time series and machine learning methods.
- » Implemented techniques from academic papers to reconcile forecasts to meet stakeholder's needs which would have otherwise been impossible with the available data.
- » Reduced time creating reports weekly by automating the creation of reports in SQL and Excel using dbt and ODBC.

### Quantitative Analysis Center - Middletown, CT

March 2022 – August 2022

#### Lab Manager

Managed projects to ensure completion and set up systems to simplify collaboration, including setting up a Github repo and training other lab workers to use git. Researched methods previously used to digitize records and study group relations to assist with the primary experiment.

- » Created Python Classification model using a combination of pre-built tools and cross training a neural network using Keras to organize 5K digital records, to transform unstructured data into the format needed for analysis

## PROJECTS: [KCIMINO.GITHUB.IO](https://www.kcimino.github.io)

**Discourse Plotly Report:** A quick exploratory report created in Markdown using R and plotly to examine data from a club event using Bayesian Linear Regression (with INLA as the implementation) to attempt to estimate the underlying distribution of voting scores for each casserole and other features of the data.

## HONORS AND AWARDS

Wesleyan DataFest: Best Use of Statistical Methods (Teams are given datasets on Friday night and then present their findings Sunday morning)

QuestBridge Scholar