New York, NY
631-521-1687
smouzykin@gmail.com
LinkedIn
github.com/sergatron
sergatron.github.io

Sergey Mouzykin

Initiative-taking analytical mindset with a strong dedication for continuous learning and intellectual growth. Offering experience of collecting and preparing/cleaning data, applying statistical analysis to deliver valuable insights, and building predictive models using solid Python programming skills.

SKILLS

- **Languages**: Python, R, SQL, HTML, CSS, JavaScript
- **OS**: Windows, Linux (Ubuntu 18.04)
- **Shell**: PowerShell, Bash
- **Frameworks/Libraries**: Pandas, NumPy, SciPy, Statsmodels, Sci-kit Learn, Keras, NLTK, Gensim, Matplotlib, Seaborn, Plotly, Flask
- **Technical Skills**: Data Collection, Data Wrangling/Cleaning, Exploratory Data Analysis (EDA), Hypothesis Testing, Statistical Analysis, Deep Learning, Machine Learning, Regression, Classification, Clustering, Version Control (Git)

DATA SCIENCE PROJECTS

DISASTER RESPONSE - HTTPS://GITHUB.COM/SERGATRON/DISASTER-RESPONSE-PROJECT   NOV 2019

- Utilized frameworks such as NLTK and Scikit-Learn to perform ETL, build ML pipeline, and deploy ML model to a local web application.
- The ML pipeline processes 26,000 raw text messages using NLTK and Scikit-Learn to build a multioutput classification model.
- Maximized F1 score through feature engineering and parameter tuning.

SOLAR ARRAY COST PREDICTION - HTTPS://GITHUB.COM/SERGATRON/PROJECTS/TREE/MASTER/SOLAR_ARRAY   JULY 2019

- Analysis revealed a trend of declining national average installation costs of about 30% since 2009 peak.
- Predicted the cost of a residential solar panel array using a ML pipeline built using Scikit-Learn.
- Evaluated multiple regression models (Ridge, RandomForest, GradientBoosting) and optimized the pipeline to minimize the RMSE and MAE.

EXPERIENCE

FIELD ENGINEER, CERTUS CONTROLS, LLC, NEW YORK, NY   SEP 2014 – PRESENT

- Implementation of HVAC control strategies and development of graphical controls to accommodate the operator/end-user in high value Manhattan buildings.
- Managing and improving client relations, collaboration with clients to address concerns, troubleshoot, and resolve technical issues.
- Ensuring successful project completion, including time/resource management and training new staff members.
- Identifying areas of improvement and providing recommendations to management.

EDUCATION

B.S Mechanical Engineering, Hofstra University	May 2011
Introduction to Data Science, Springboard – Certificate	Jan 2018
Python 3 Programming, Coursera – Certificate	May 2019
Data Science Nanodegree, Udacity – Certificate	March 2020