

DMITRI GOURIANOV

DATA SCIENTIST

EXPERIENCE

Metis

Data Scientist

New York City, NY
March 2020 to Present

Completed an immersive 12-week data science bootcamp focused on Python programming, data analysis, statistical modeling, machine learning and visualization techniques. Selected projects highlights include:

Food Image Classification Using Deep Learning Algorithms

- Built a Convolutional Neural Network model to classify 107 categories of food images. Performed model training and hyperparameter optimization on Google Cloud Platform
- Applied Transfer Learning framework to improve model's metrics
- Developed a Flask web app to make model available for end-users

Assessing the 2020 Democratic Presidential Candidates using NLP

- Applied Topic Modeling, Sentiment Analysis and Cosine Similarity to the transcripts of speeches of six candidates. Designed evaluation framework of their political platforms
- Created a visualization of candidates psychological profiles using IBM Watson personality insights API

Instacart - Predicting Whether a Product Will Be Reordered

- Predicted repeated orders by consumers using classification algorithms (XGBoost, Random Forest, Logistic Regression)
- Applied feature engineering techniques and class imbalance handling to optimize f1-score
- Utilized AWS and PostgreSQL to handle large datasets

Regression Analysis of Life Expectancy Across Countries

- Built a linear regression model to identify major determinants of life expectancy in different countries
- Used Lasso regularization to increase interpretability of the model
- Obtained data by scraping Wikipedia.com using Beautiful Soup library

Alta Property Group

Managing Principal

Brooklyn, NY
May 2017 to March 2020

- Established a boutique commercial real estate company specializing in industrial, commercial and investment properties. Provided full range of commercial real estate services including including brokerage, market analysis and consulting
- Managed all aspects of running a real estate firm - regulatory compliance, insurance needs, research tools, operations, accounting
- Analyzed real estate data to perform feasibility studies, financial analysis, pro forma cash flow projections and valuations for multiple property types
- Collaborated with firms in the real estate services industry, including legal, accounting, construction, environmental, and energy services

Kalmon Dolgin Affiliates

Director

Brooklyn, NY
August 2010 to May 2017

- Participated in all facets of commercial and industrial real estate business, including business development, marketing and contract negotiations
- Analyzed market trends and conditions to determine competitive pricing. Provided economic and market advice to clients
- Researched economic incentives with state/local governments and liaised with local government leadership regarding site selection process
- Prepared detailed analysis of properties, including operating and financial statements, tenants, leases, taxes and insurance

CONTACT

✉ gourianovd@gmail.com

☎ 917-306-8600

📍 Brooklyn, NY 11249

in [gourianovd](#)

SKILLS

PROGRAMMING LANGUAGES AND PYTHON PACKAGES

Python

SQL

Pandas

Numpy

Scikit-learn

Statsmodels

Beautiful Soup

NLTK

Keras

MACHINE LEARNING

Linear Regression

Logistic Regression

Decision Trees

Random Forest

Naive Bayes

Support Vector Machines

K-Nearest Neighbors (KNN)

Gradient Boosting

Neural Networks

Natural Language Processing

DATABASES AND CLOUD COMPUTING

PostgreSQL

MongoDB

AWS

Google Cloud

VISUALISATION

Matplotlib

Seaborn

Tableau

EDUCATION

St. John's University

MBA Finance

Moscow State University

MS Physics