Stav Grossfeld

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SKILLS

Languages: Scientific Python Stack (pandas, numpy, sklearn, etc.), R, Bash, SQL
Statistics and machine learning: regularization with Lasso, Ridge, ElasticNet. Logistic regression, kNN, decision trees, bagging models. Model evaluation and tuning with ROC-curves, cross-validation, bootstrapping, and grid-search. NLP.
Platforms: PostgreSQL, UNIX, AWS, Git, Spark
Data visualization: Seaborn, Matplotlib

EDUCATION

UC Davis | Davis, California | June 2015
BS in Genetics & Technology Management Minor
Genetics - Emphasis in bioinformatics and functional genomics.
Technology Management - Financing new business ventures, marketing for enterprises, supply chain management, organizational management.

General Assembly | San Francisco, California | April 2016 - July 2016
Data Science Immersive Course - Learned process of the data science workflow including cleaning/munging, predictive modeling, visualization, and storytelling. Applied skills to several projects and a final capstone project.

Coursera certificates | October 2015 - April 2016
John Hopkins - Data Science Specialization: R programming, Getting and Cleaning Data, Statistical Inference, Linear Regression.
University of Michigan - Python for Everybody: Python Data structures, Using Python to Access Web Data, Using Databases.

EXPERIENCE

General Assembly | San Francisco, California | April 2016 - July 2016
Data Science Immersive Student - Completed case studies and final capstone applying skills in data wrangling, machine learning / statistics, and data visualizations
Capstone project:

- Data mining of publicly available craigslist archived rent data.
- Merged aggregated rent data with the famous SF Crime dataset.
- Modeled with predictive analytics crimes in the various districts.
- Explored relationship of crime densities and rental prices in neighborhoods.
- Created visualization of crime and rents in San Francisco from 2003-2016.

Genentech | South San Francisco , California | June 2014 - September 2014
Antibody Engineering Intern - Contributed to research in antibody Engineering lab, led by Isidro Hotzel, involving novel techniques of phage and antibody expression in a variety of systems.

- Conducted biological experiments to optimize antibody expression level.
- Analyzed experimental results utilizing basic statistical techniques using R to extrapolate findings.
- Applied sequencing analysis and genetics knowledge to design antibody vectors.
- Successfully delivered results for multiple projects in a timely manner and regularly presented to internal Ph.D experts.

UC Davis Pharmacology Dept. | Davis , California | January 2013 - June 2014
Student Assistant - Supported and participated in execution of microscopic imaging experiments of mammalian cells transfected with NKA and PLM using a confocal microscope.

- Produced constructs, utilizing strategy and recombinant DNA techniques in the generation of stable cell lines for functional experiments.
- Used molecular biology techniques to purify and isolate DNA.
- Applied sequencing analysis to design DNA cloning vectors.