

KAYLYN VO
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TL;DR

Data Manipulation

Python ★★
R ★★
SQL ★

Data Visualization

Tableau ★★
Python::seaborn ★★
R::Shiny ★

Data Analysis

Regression ★★★
Multivariate Statistics ★★
Time Series ★

RELEVANT COURSES

Statistics

- Regression Theory, Time Series Analysis, Computational Statistics, Stochastic Process, Multivariate Statistical Analysis, Design and Analysis of Experiments

Computer Science

- Python, R programming, C++, SQL

Mathematics

- Numerical Analysis, Linear Algebra, Combinatorics

PROJECTS

Regression: Predicting House Prices Using Advanced Regression Techniques

- Cleaned and built new features, visualized data, tuned parameters
- Used regularized regression models – Ridge and Lasso – and machine learning models – Random Forest and Gradient Boosting – to predict a price of a house

Multivariate Data Analysis: Analyzing Contaminants in Farmed Salmon

- Analyzed high-dimensional data using multivariate analysis techniques including Principal Component Analysis and MANOVA to study concentration of contaminants in farmed salmon

Time Series Analysis: Analyzing Weather Patterns Using 600 Years of Sediment Deposits

- Analyzed series data using auto and partial correlation and spectral analysis
- Fitted the data to ARMA(p,q) and MA(p) models to indirectly study weather patterns

Miscellaneous Projects: Helping PASSNYC to Identify Under-performing Schools

- Used public data to help PASSNYC to identify students in New York City's under-performing school districts to increase the diversity of students taking the High School Admission Test

Miscellaneous Projects: Weekly Data Visualization Challenge using Tableau

- Weekly data visualization challenge to explore different perspectives and approaches to create more effective visualization

LEADERSHIP

Residential Advisor

San Jose State University

2019 – present

Student Supplemental Instruction

San Jose State University

2017 – 2018

EDUCATION

Master of Science in Statistics, GPA: 3.5

San Jose State University

Expected: 2021

Bachelor of Science in Applied Mathematics

San Jose State University

2017 – 2019

SKILLS

Languages: Python, R, SQL, C++, MATLAB

Tools: RStudio, Excel, Jupyter Notebook, Git