John Sokol

DATA SCIENTIST

EXPERIENCE

Data Analyst   *Apr 2019 - Present*

NewLane Finance, Philadelphia PA

- Generate and enhance leads for sales team with Python web scraping and data preprocessing.

- Categorize lead quality with unique ranking system using machine learning algorithms trained on previous lead outcomes and performance.

Adjunct Faculty   *Aug 2018 - Present*

Stockton University, Galloway NJ

- Teach conceptual data visualization best practices, Tableau, baseball statistics, and RStudio to 70 undergraduate students of all majors per semester.

- Employ interpersonal skills to communicate content effectively; teach how to develop research methodologies to answer data driven questions.

Data Solutions Architect   *Mar 2018 - Apr 2019*

AtlantiCare Health, Egg Harbor Township NJ

- Built clinical Tableau dashboard solutions for physician and administrative end users, specifically CABG, COPD and Thrombosis dashboards to visualize key performance indicators specific to each procedure.

- Extract, transform, and load structured and unstructured enterprise data using SQL Vertica.

PROJECTS

Predicting Heart Disease with Machine Learning

- Python logistic regression model; 14 features (age, cholesterol, sex, blood pressure, years as smoker, etc), 375 observations tested with 10-fold cross validation for 78% predictive accuracy.

- Frontend Tableau GUI to input patient data by clinician to return likelihood of heart disease presence.

Super Bowl Tableau Dashboard

- Interactive Tableau dashboard depicting game progression vs. win probability.

- Identifies the key plays and their impact on each Super Bowl.

EDUCATION

MS Data Science & Strategic Analytics   *Aug 2018*

Stockton University, Galloway NJ   *GPA: 4.00*

Relevant Topics: Machine learning, statistics, data visualization

BS Biochemistry, Computer Science minor   *May 2017*

Stockton University, Galloway NJ   *GPA: 3.84*

Activities: NCAA Track & Field, Resident Assistant, Mathematics Tutor

CONTACT

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SKILLS

Languages

Python

RStudio

Java

Frameworks/Packages

Pandas

NumPy

Tidyverse

R markdown

Scikit-learn

Keras

Excel

Visualization

Matplotlib

ggplot

Tableau

Adobe Illustrator

Final Cut Pro

Database Management

Microsoft SQL Server

SQL Vertica

Machine Learning

Regression

Classification

Feature Engineering

Model Selection