John Sokol
DATA SCIENTIST

EXPERIENCE

Data Solutions Architect *Mar 2018 - Present*

AtlantiCare Health System, Egg Harbor Township NJ

- Build data analysis Tableau solutions for physician and administrative end users. Thrombosis dashboard successfully reduced VTE-related readmissions by 10%.
- Extract, transform, and load disparate enterprise data.
- Data governance committee member to enhance data quality and data source integration.

Adjunct Professor of Business *Aug 2018 - Present*

Stockton University, Galloway NJ

- Teach conceptual data visualization best practices, statistics, website engineering and Tableau / RStudio to 25 undergraduate business analytics students.
- Employ interpersonal skills by communicating content effectively and fostering a welcoming environment for academic growth.

Data Science Consultant *Apr 2018 – Present*

RE/MAX of Long Beach Island, Ship Bottom NJ

- Data mine public records to profile demographics of potential real estate clients.
- Manipulate data with Python and build Tableau dashboards that deliver key business insights for secondary home ownership.

Pharmacy Technician *Apr 2014 - Sep 2018*

CVS, Ship Bottom NJ

- Lead ScriptSync initiative to increase consumer medication compliance by 15%.
- Prioritize superior customer service to ensure CVS brand loyalty.
- Consult with pharmacy management regarding store KPI's in analytic context.

PROJECTS

Predicting Heart Disease with Machine Learning

- Interactive Tableau dashboard GUI to predict likelihood of heart disease presence
- Backend Python logistic regression model; 14 features, 375 observations using 10-fold cross validation for 78% predictive accuracy.

K-means clustering, perceptron, logistic regression implementation

- Implement from scratch supervised and non-supervised machine learning algorithms in R .

EDUCATION

MS Data Science & Strategic Analytics *Aug 2018*

Stockton University, Galloway, NJ *GPA: 4.00*

Relevant Topics: Machine learning, statistical methods, data visualization

BS Biochemistry *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
SQL
R / Rstudio

Frameworks/Packages

Pandas
NumPy
Tidyverse
R markdown
Scikit-learn
Keras
Excel

Visualization

Matplotlib
ggplot
Tableau
Adobe Illustrator

Database Management

Microsoft SQL Server
SQL Vertica

Machine Learning

Regression
Classification
Feature engineering
Model selection