

# 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 and linear regression implementation

- Implement 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

Final Cut Pro

### Database Management

Microsoft SQL Server

SQL Vertica

### Machine Learning

Regression

Classification

Feature engineering

Model selection