John Sokol

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Background

Data scientist with passion for data visualization, statistics & machine learning. Penchant for `Python`, `R`, `Tableau` & understanding predictive model algorithms to provide solutions for key business problems.

Education

Stockton University, M.S. Data Science & Strategic Analytics — August 2018
Data Practicum: Venus Thromboembolism Predictive Analytics Dashboard — *GPA: 4.00*

Stockton University, B.S. Biochemistry, Computer Science minor — May 2017
Accolades: Four year NCAA Track & Field athlete, Resident Assistant — *GPA: 3.84*

Professional Experience

AtlantiCare, Business Intelligence & Analytics, Egg Harbor Township NJ
Data Scientist Intern — Mar. 2018 - Jul. 2018

- Leverage `Tableau` to create Venus Thromboembolism dashboard for staff/admin end users.
- Extract patient data using `PostgreSQL` queries.
- Propose to incorporate machine learning for professional decision-making about patient health.

RE/MAX of Long Beach Island, Ship Bottom NJ
Independent Contractor — Apr. 2018 - Present

- Execute data mining of public records to profile demographics of potential real estate clients.
- Leverage `Python` & `Tableau` to create dashboards that deliver important client business insights.
- Create machine learning pipeline to predict when homes will sell on Long Beach Island (future state).

CVS Health, Ship Bottom NJ
Pharmacy Technician, CPhT — Apr. 2014 - Present

- Lead Scriptsync initiative to increase medication pick up compliance by 15%.
- Prioritize superior customer service to ensure CVS Health brand loyalty.
- National certification (CPhT): Pharmacy Technician Certification Board.

Technical Skills

Software & Programming Languages: Python, R, SQL, Java, Microsoft Office.

Programming Libraries: Pandas, NumPy, Scikit-learn, Keras; Tidyverse, dplyr, ggplot.

Machine Learning: Classification, regression, clustering, feature engineering, model selection.

Data Visualization: Principle component analysis, Tableau dashboards, data cleaning & processing.

Projects

Python: Predicting Heart Disease with Machine Learning, Analysis of UK Energy Consumption.

R: K-means cluster, perceptron, linear and logistic regression implementation. Assessment of Cardiovascular Fitness with R

Tableau: Super Bowl Win Probability, Secondary Home Owner Demographics.

Select Coursework

- Data Exploration, Data Gathering & Warehousing — Fall 2017
- Machine Learning, Data Visualization — Spring 2018
- Ethics of Data Science, Communicating Data Stories — Summer 2018