Rihad Variawa

https://2series.github.io/

rihadv021@gmail.com | +27 79 161 2778

SKILLS

PROGRAMMING

Python
R
Solidity
C++
JavaScript (D3.js), HTML, and CSS

MACHINE LEARNING

Regression
Support Vector Machines
Naive Bayes
K-Nearest Neighbors
Decision Trees
Cluster Analyses
Natural Language Processing

ANALYTICS

IPython Notebook
RStudio
SQL
Spark and Hadoop
Git and Github
Microsoft Azure Machine Learning
Matlab
Weka
Tableau
Excel

EDUCATION

DATA SCIENCE BOOTCAMP

Flatiron School
Jun 2017 | New York, NY

PGDIP ACC.SCI

University of South Africa
Oct 2014

HONOURS, B.ACC.SCI

University of South Africa
Oct 2011

B.ACC.SCI

University of South Africa
Oct 2008

LINKS

Github:// **2series**
LinkedIn:// **rihadvariawa**
Twitter:// **@2series_rv**

PROFESSIONAL EXPERIENCE

ESOURCE ANALYTICS | Data Scientist

Jan 2017 to Present

- Collaborated with teams identifying opportunities to build data science products in renewable energy, from conducting fieldwork to market research, engineering design & financial evaluation of potential projects
- Used statistics tools to analyze data, **comparing countries leading in solar and wind production**
- Improved data mining processes, resulting in a 5 percentile decrease in time needed to infer insights from customer data used to develop product strategies
- Researched **patterns in renewable energy generation** to derive insights explore questions using k-means clustering
- Utilized web scraped techniques and data mining to assimilated product retail data as inputs to **retail revenue prediction models**
- Conducted data regression analyses of the relationship between average global temperature and several factors **affecting climate change**

REAL ESTATE PORTFOLIO WEALTH ADVISORS | Finance Manager

Feb 2017 to May 2018 | South Africa

- Drove business development by writing grant proposals to international investors and delivering presentations to pitch to potential funders
  - Financial Commerce Market Analyses
    * Led quantitative analysis to develop value propositions for a multinational seeking to enter markets in several African states
    * Built financial models to assess market potential and expected cash flows for real estate, increasing sales by 3 percentile
    * Authored market-sizing and forecasting section of a commercial report on characteristics, forecasts, and trends in FCM for several African markets
- Managed the planning develpoment of design and procedures for metrics reports
- Analyzed market risk factors that could adversely affect the assets and implemented processes to mitigate exposure to risks

ENERGY | Independent Analyst

Dec 2016 to Jan 2017 | New York, NY

- Machine learning problem involving feature engineering, visualizations and other techniques to make out certain perceptions from the available data to **predict a building energy score**

SIZWENTSALUBAGOBODO | Trainee Accountant

Feb 2014 to Jan 2017 | South Africa

- Domain knowledge in financial service audits
- Executed statutory audits for clients in Asset Fund Managers, Trusts, Property Management Co, Special Purpose Vehicles and Telecoms
- Performed a risk-based approach to external audits of public and private clients in environments providing exposure to risk and compliance
- Reviewed and reported on financial statements by testing key processes, internal controls, risk analysis, mitigating factors and evaluated risk management activities from those charged with governance