

Rihad Variawa

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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 – Present

- Built **machine learning models** using supervised learning algorithms to predict whether loan defaulters are fit for additional loans
- Led research team in analyzing investments in renewable energy and ag technologies, from conducting fieldwork to market research, engineering design & financial evaluation of potential projects
- Conducted an analysis by **comparing countries leading in solar and wind production**. But, the most interesting visualization was Nuclear Energy production.
- Researched **patterns in renewable energy generation** to derive insights explore questions using k-means clustering
- Scraped, cleaned, and assimilated product retail data as inputs to **retail revenue prediction model**
- Studied the relationship between average global temperature and several factors **affecting climate change** using regression analysis

REAL ESTATE PORTFOLIO WEALTH ADVISORS | FINANCE MANAGER

Feb 2017 – May 2018

- 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 investments
 - * Authored market-sizing and forecasting section of a commercial report on characteristics, forecasts, and trends in FCM for several African markets
- Compiled the annual financial statements for the period ended 2018
- Assessed market risk factors that could adversely affect the assets and implemented processes to mitigate exposure to risks
- Accelerated corporate compliance, operational risks and control processes by monitoring financial obligations with lenders and developing credit facilities

SIZWENTSALUBAGOBODO | TRAINEE ACCOUNTANT

Feb 2014 – Jan 2017

- Domain knowledge in financial service audits such as quantitative finance and risk modeling
- Executed statutory audits on 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 charge with governance