

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 | 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 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

SIZWENTSALUBAGOBODO | TRAINEE ACCOUNTANT

Feb 2014 – Jan 2017 | South Africa

- Domain knowledge in financial service audits
- 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

ENERGY | INDEPENDENT ANALYST

Dec 2016 – Jan 2017 | New York, NY

- Machine learning task to **predict the energy usage** score for any building type using supervised learning