

Masego Modibane

Address:
Johannesburg, South Africa

Phone:
+27 (0) 82 709 0055

Email:
masegomodibane@gmail.com

Website:
<https://masegom94.github.io/MasegoWebsite/>

Skill Highlights

- Active Listening
- Complex Problem Solver
- Statistical Analysis
- PowerBI
- Cloudera Data Science Workbench (CDSW)
- Programming languages (Python, R, Pyspark, Scala, SQL)
- Version-control with GIT (experience with github and bitbucket)
- Machine learning techniques (Trees, Neural Networks, GLM, Association Rules, Clustering, Support Vector Machines, Regression, Multidimensional Scaling, Self-Organizing Maps, KNN, Subset Selection, PCA, Discriminant Analysis)

Programming



Languages



Summary

Junior Data Scientist who mainly focuses on building dashboards for the forensics team that investigate fraudulent healthcare providers. Experienced with mainly PowerBI for building dashboards as well as using R and python for initial data analysis. Also builds tree-based pipelines using pyspark and scala for modelling of big data. Strong background in theoretical statistics and fundamentals of machine learning techniques. Interested in a data science role specializing more in machine learning.

Experience

Junior Data Scientist - 01/2019 to present
Discovery Health, Johannesburg – South Africa

- Working on projects integrating distribution statistics theory with the output of machine learning model predictions
- Creating Front-end tools using PowerBI and python-based front-end technologies like Dask for the Forensics investigation team
- Using Cloudera Data Science Workbench to model large datasets
- Creating model pipelines to assist business in initial machine learning model creation

Intern - 03/2018 to 05/2018
OLSPS Analytics, Cape Town – South Africa

- Creation and reviewing of reports based on SPSS based procedures

Graduate (Junior Business Analyst) - 01/2017 to 12/2017
PSG Wealth, Johannesburg – South Africa

- Mapped current processes within business and reengineer such process such that they are more efficient for business
- Create metrics to measure individual as well as divisional performance in overall business

Assistant Lecturer - 01/2016 to 12/2016
University of Pretoria, Pretoria – South Africa

- Present tutorial and practical classes for the Statistics department.
- Marking of Semester tests
- Offer consultation hours for subject based questions

Education

Bachelor of Science: **Mathematical Statistics** – 2015
University of Pretoria, South Africa

Bachelor of Science Honours: **Mathematical Statistics** – 2016
University of Pretoria, South Africa

Master of Philosophy: **Specialising in Financial Technology** – 2018
University of Cape Town, South Africa

Online Certifications

- Machine Learning (offered by Stanford University via Coursera)
- Managing Data Analysis (offered by John Hopkins University via Coursera)
- Excel for business (beginners, intermediate I and II and -Advanced courses offered by Macquarie University via Coursera)