# **Masego Modibane**

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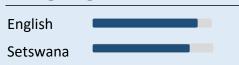
# Skill Highlights

- **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)