Content

1. Who Am I?

2. Standard Bank Analytics and Data Science
   1. Current Analytics
   2. Past Problems
   3. Data Science Technologies
   4. SBG DS Life Cycle
   5. Solutions in R
   6. Thank You
Who am i?

• Nkululeko Thangelane
  • Group Data Science at Standard Bank
    • Purpose: Expose Machine Learning and A.I to the Bank

• Nkululeko.Thangelane@Standardbank.co.za
Analytics at Standard Bank

- Business Intelligence:
  - QlikView / Qlik Sense
  - SAP Business Objects
  - Microsoft Report Service
  - Power BI

- Advanced Analytics
  - SAS
Past Problems

• data analysts and scientists would write algorithms / build models in R and then work with web developers to create data visualizations for websites or with BI tool experts to convert their work into proprietary GUI experiences.

• Deployment brings issues such as:
  • Delays
  • Expense (Development and Tools)
Data Science Technologies

- Hive
- scikit-learn
- Hortonworks
- Python
- R
- Theano
- RapidMiner
- Spark
Solutions in R

• **Reconciliation Project**: A shiny app used to help reconciliation stuff analyse there files and extract matches.

• **Service Request and Maintenance Application**: A shiny app used to help evaluate data about service request.

• **Twitter Dashboard**: A single application to help the organization monitor twitter data.

• **Call Volumes Application**: An application to assist in the forecasting of Call Volumes Demand. Used to forecast demand and plan for stuff to take on the demand. This application allows users to upload historic files of the demand and forecast the demand.
Thank You

Let's keep #WinningWithData