

Profile Volunteering Transactions in South Africa to Identify Factors That Affect Volunteering Success

Case Study - ForGood Platform

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1 Intro

- Forgood: South African online volunteering platform
- Learn more about volunteering space in South Africa
- Improve volunteering experiences for causes and volunteers

2 Methods

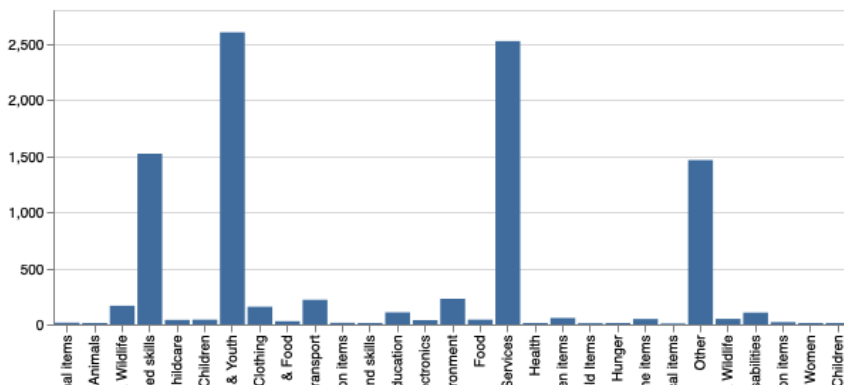
- NLP to join tables on free text columns

- Use of machine learning to identify key factors
- Predictive modelling to determine ideal cause duration

3 Results

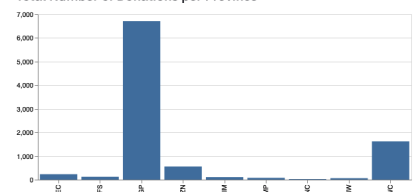
- Time is preferred over Goods and Money
- Cause duration and time of year are most significant
- Peak donations in July

Most Popular Category



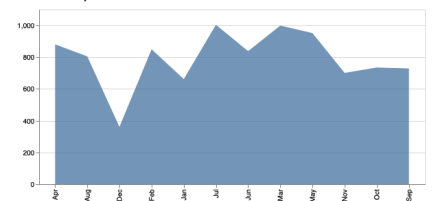
Extra figures

Total Number of Donations per Province



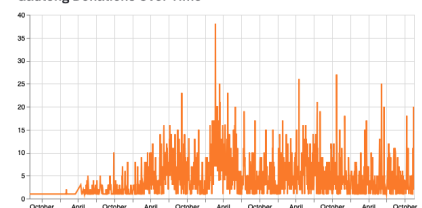
Total number of donations per province.

Donations per Month

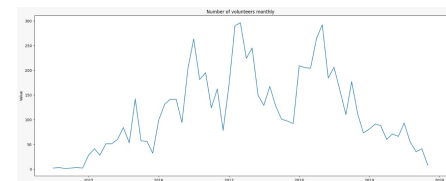


Total number of donations per month.

Gauteng Donations Over Time



Donations in Gauteng over time.



Trend analysis of cause activities over the years

Department of Computer Science

Faculty of Engineering,
Built Environment and
Information Technology

Fakulteit Ingenieurswese, Bou-omgewing en
Inligtingtegnologie / Lefapha la Boetsenere,
Tikologo ya Kago le Theknoloitsi ya Tshedimošo

Capstone Project - MIT 808

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