



UN Water Well Initiative

Kyongmin So



Overview

- Data
- Business Problem
- Models
- Evaluating the data
- Recommendations/Next Steps



Data

- Driven Data
- Not working
- Working but needs repair
- Working





Business Problem

The UN is doing a humanitarian project in Tanzania and they need to know where the broken wells are located in order to efficiently allocate the resources to repair them for the people of Tanzania.





Model

- Predicts with a 79% accuracy.
- Focus on the regions with the highest percentage of broken wells.



Mtwara
Region



Lindi
Region

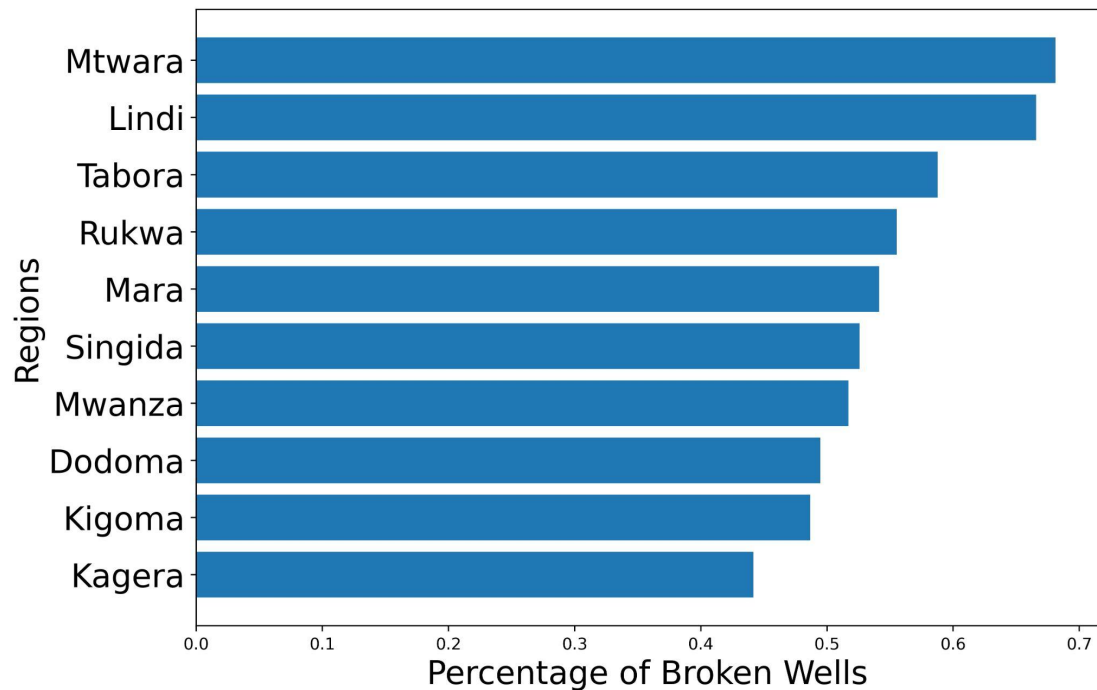


Tabora
Region



Evaluating the Data

- Mtwara 68%
- Lindi 67%
- Tabora 59%
- Rukwa 55%
- Mara 54%





Recommendations

- Focus on the top 10 regions that need the repairs.
- Invest into Tanzania.
 - Last report was in 2011 with a 90 million dollar loan from the UN.



Next Steps

- See if there's a correlation between the broken wells and the population density of each regions.
- Improve my model.





Thank you!

- [LinkedIn](#)
- [Github](#)

