IMPROVING WATERPOINT PREDICTIONS





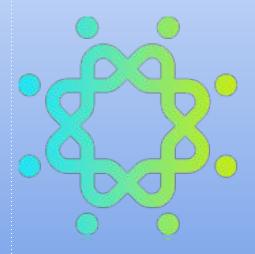
A Presentation for:

Hon. Jumaa H. Aweso (Mb)

and The United Republic of Tanzania Ministry of Water

Presented by:

BREAKTHROUGH ENERGY



Clean Water Division

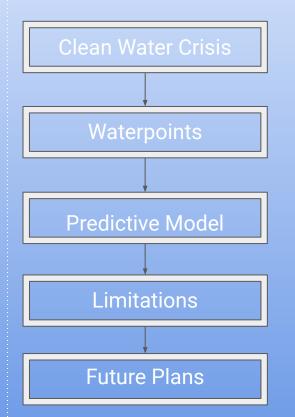
- Stefano Caruso
- Ziyuan (Terry) Wang
- Jon McCaffrey



BUSINESS PROBLEM

How to predict the condition of a waterpoint?

SUMMARY

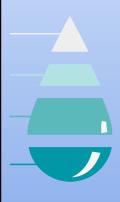




DATA

- >59K WATERPOINTS
- 40 FEATURES
- > 35%

NON-FUNCTIONAL





CLEAN WATER CRISIS



CLEAN WATER CRISIS

- Hygiene
- Disease
- Economic Impact



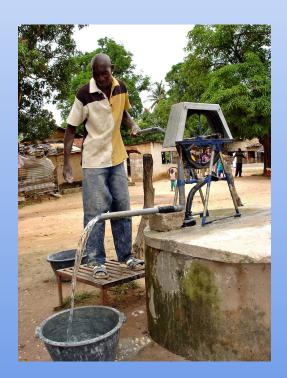


UZ WATERPOINTS



WATERPOINTS

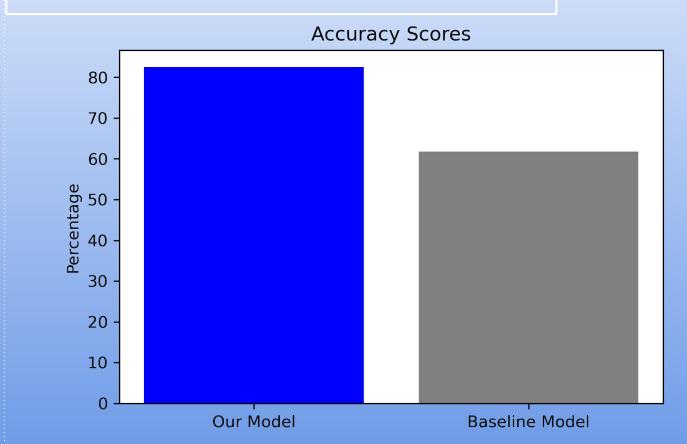
- Source
- Extraction

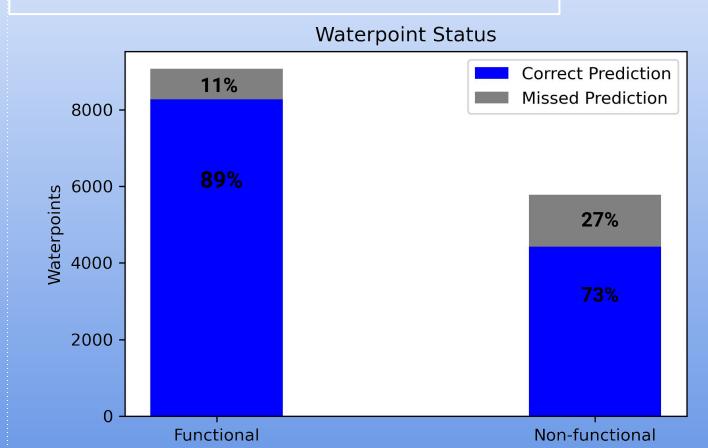


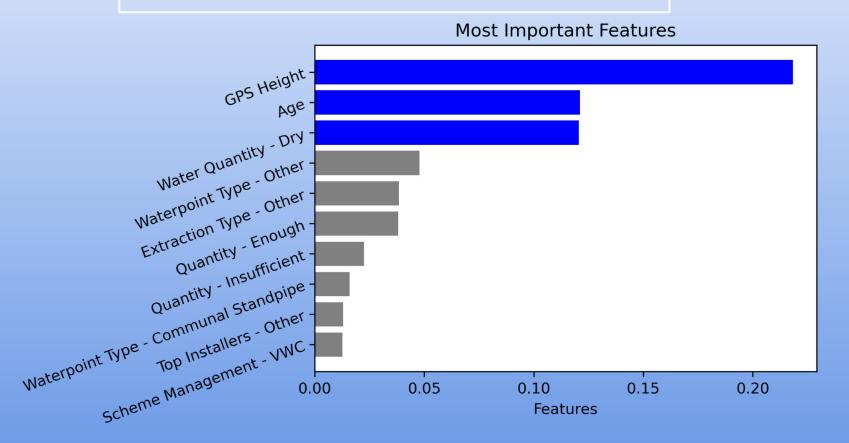


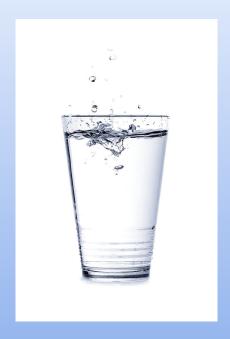
03











LIMITATIONS & FUTURE PLANS



LIMITATIONS

- Time
- Incomplete Data
- Additional Information



FUTURE PLANS

- Additional Data
- Refine Model
- Contract to NGO?



SUMMARY

- Current Crisis
- Waterpoints
- Our Model
- Future Plans



THANK YOU!

Any questions?

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