

Tanzanian Well Functionality: A Management Perspective

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The Team



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The Agenda

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The Story

4 Million Tanzanians Lack Access to Safe Water

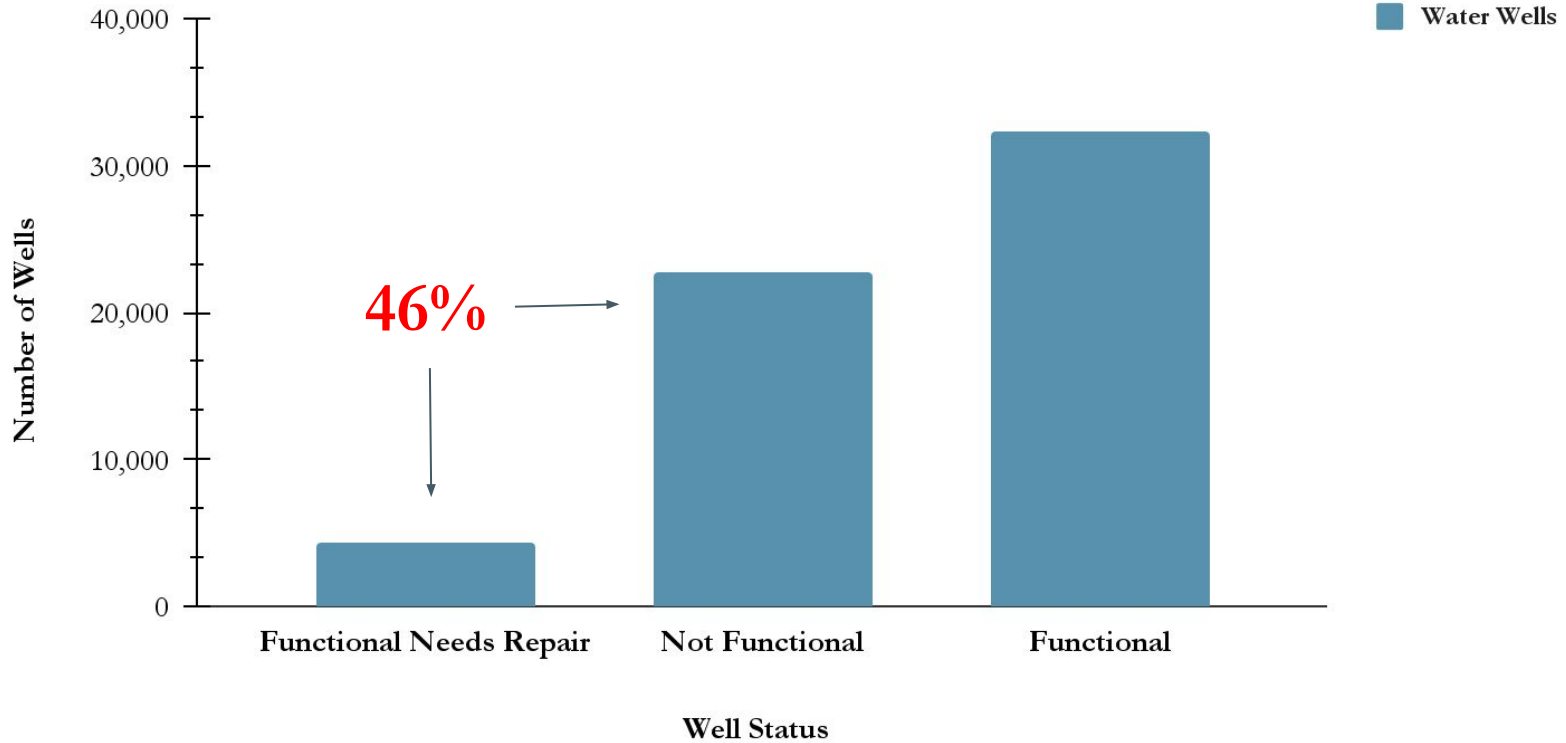


DRIVEN DATA



Ministry of Water

Water Pump Functionality in Tanzania



Operation Distinctions: Autonomy

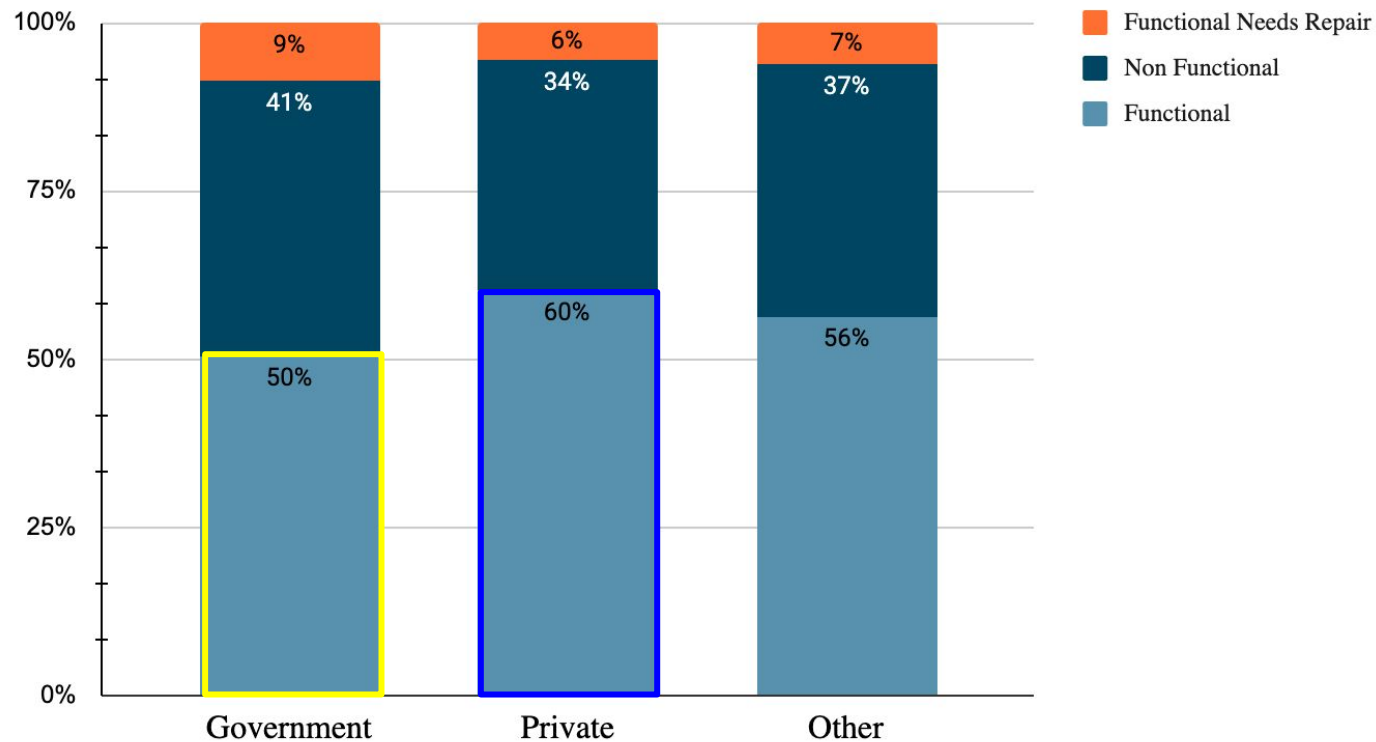
Private Operation Scheme

- Autonomous
- Well-Funded

Government Operation Scheme

- Non-Autonomous
- Low Functionality Rate
- Lacking in Uniform Financing

Proportion of Well Functionality by Installer

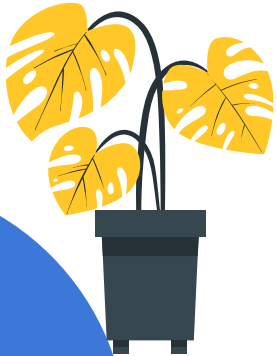


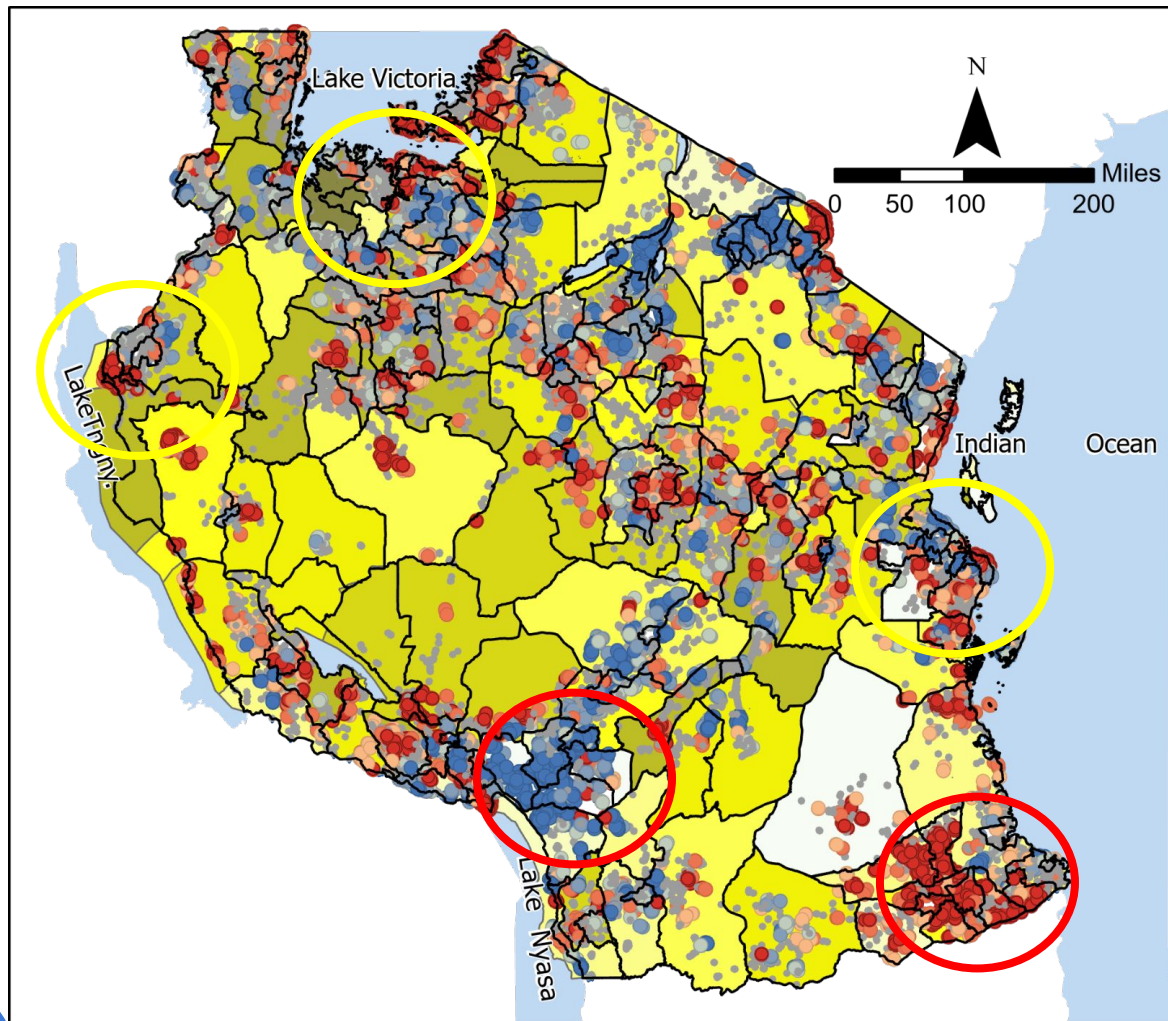


The Effort

Features of Importance

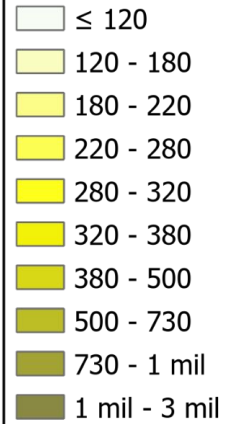
- Payment
- Permit
- Region
- Source





Regions

Population (Thousands)



Well Functionality

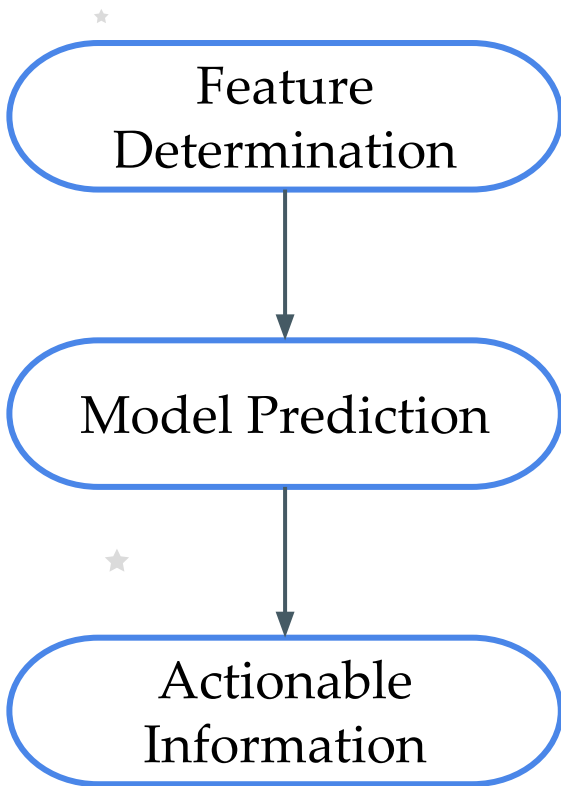
Probability





The Results

Model Prediction



69%
Precision

Recommendations

- Consolidated Water Management Schemes for Region
- Private, Public, and Government Involvement
- Water Transportation Systems



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The Future

Future Considerations

- Hydrogeologic data for planning new well locations and determining the feasibility of repairing non-functioning wells
- Standardized data collection
- Mapping and demographics
- Education. Education. Education.





Endnotes

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**“We are continually faced by great
opportunities brilliantly disguised as
insoluble problems.”**

—Lee Iacocca, American engineer and
automobile executive

