



Rabbit Data Consultants

DATA MINING THE WATER TABLE

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OVERVIEW

01

Business Problem

02

Data & Model

03

**Results &
Recommendations**

04

Next Steps

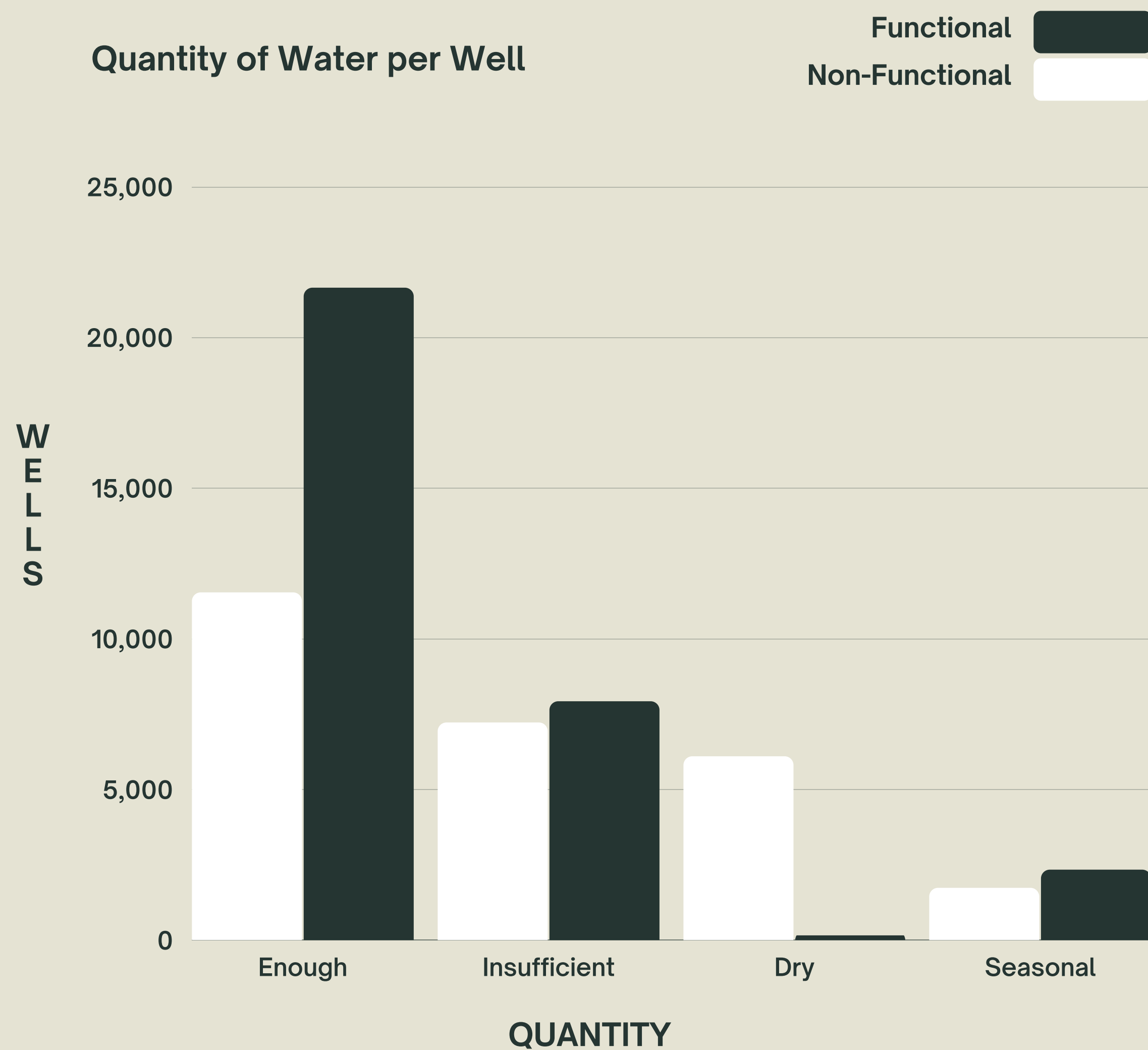
BUSINESS PROBLEM

- **Failing Pumps**
- **Time**
- **Health**
- **Opportunity**

WHAT INFORMATION DID WE LOOK AT?

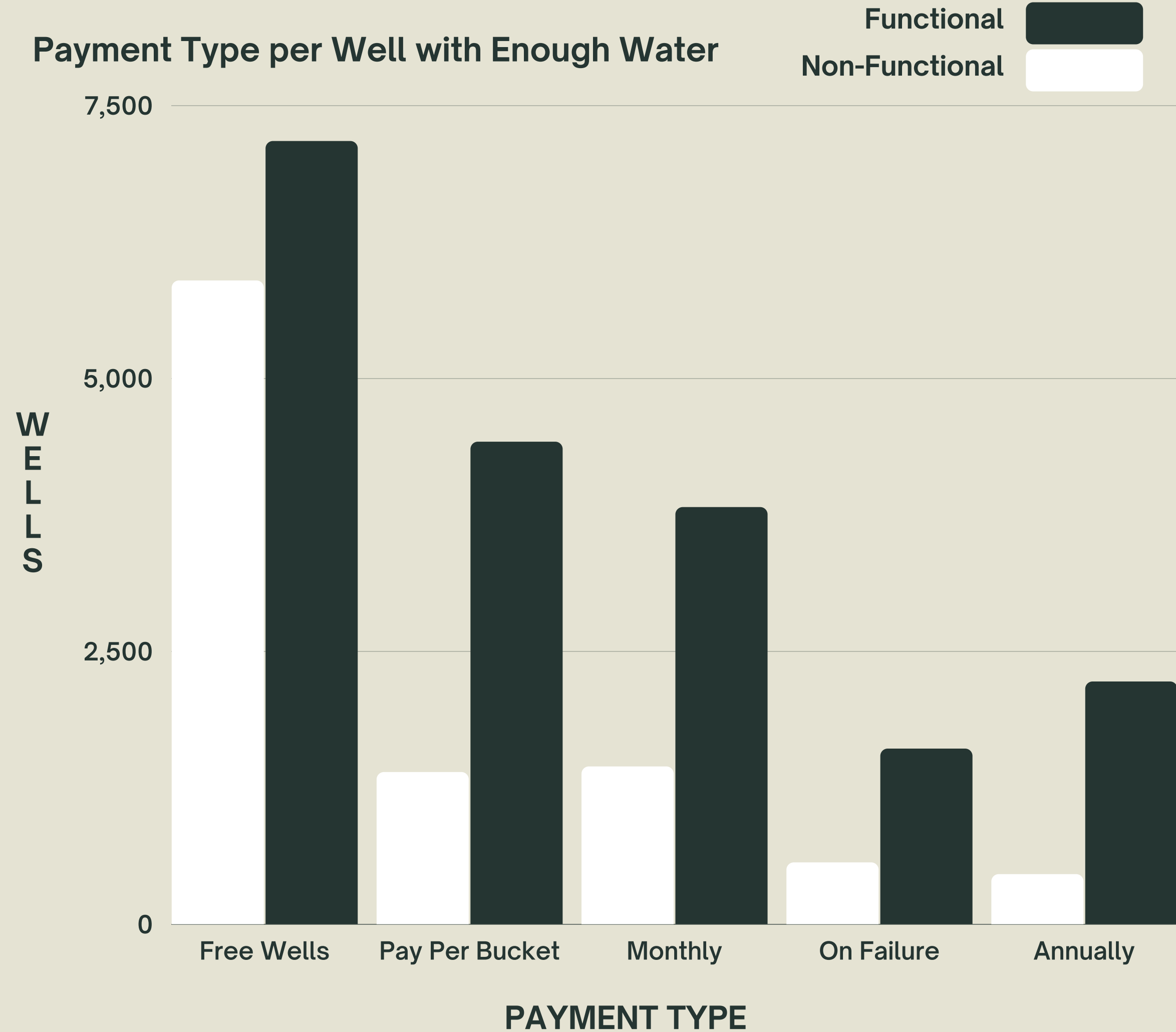
Tanzania Water Pump Data
Taarifa & Tanzanian Ministry of
Water
Over 59,000 water pump entries
40 Unique Features

EXPLORING THE DATA



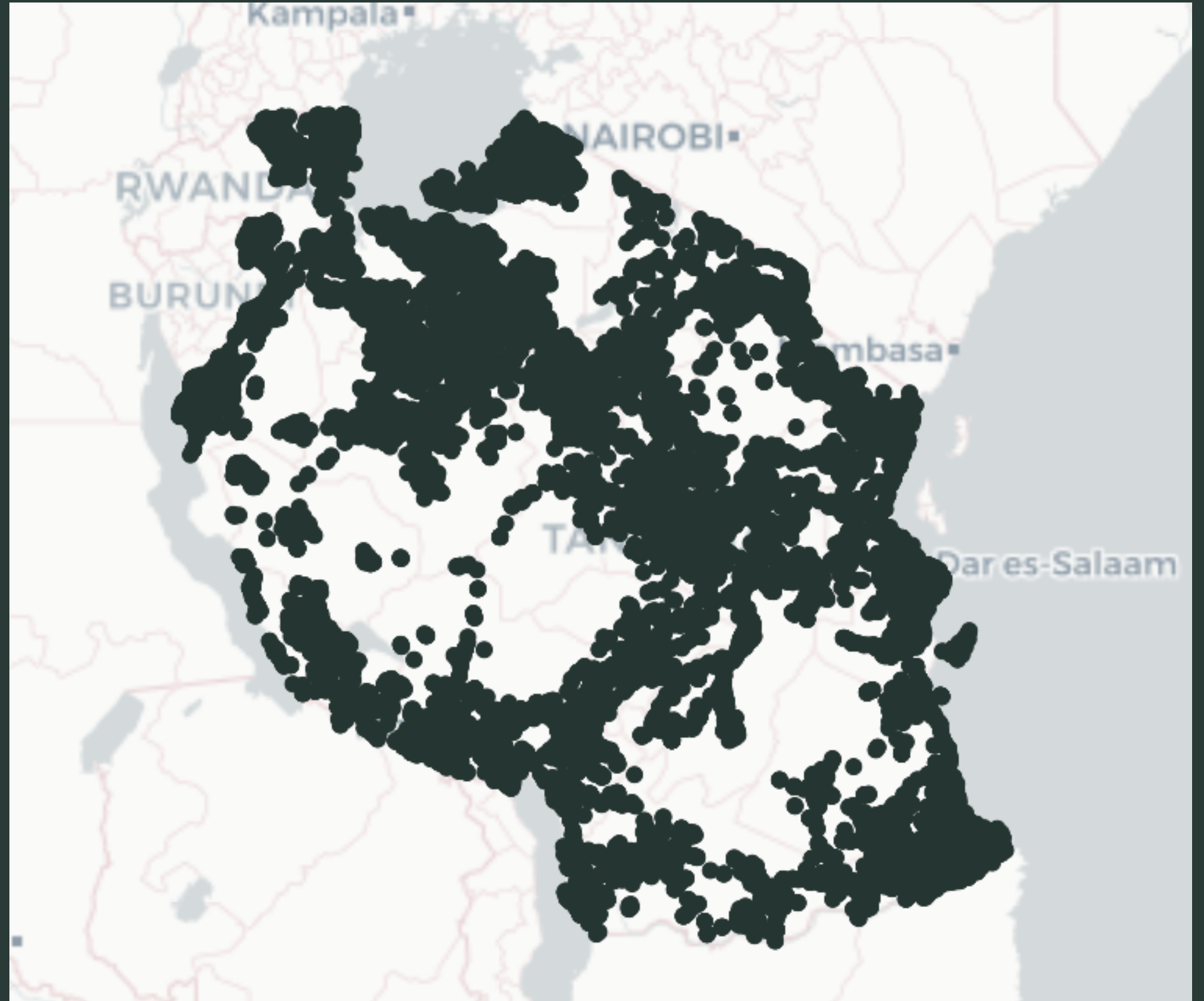
EXPLORING THE DATA

Payment Type per Well with Enough Water



EXPLORING THE DATA

Non-Functioning Wells

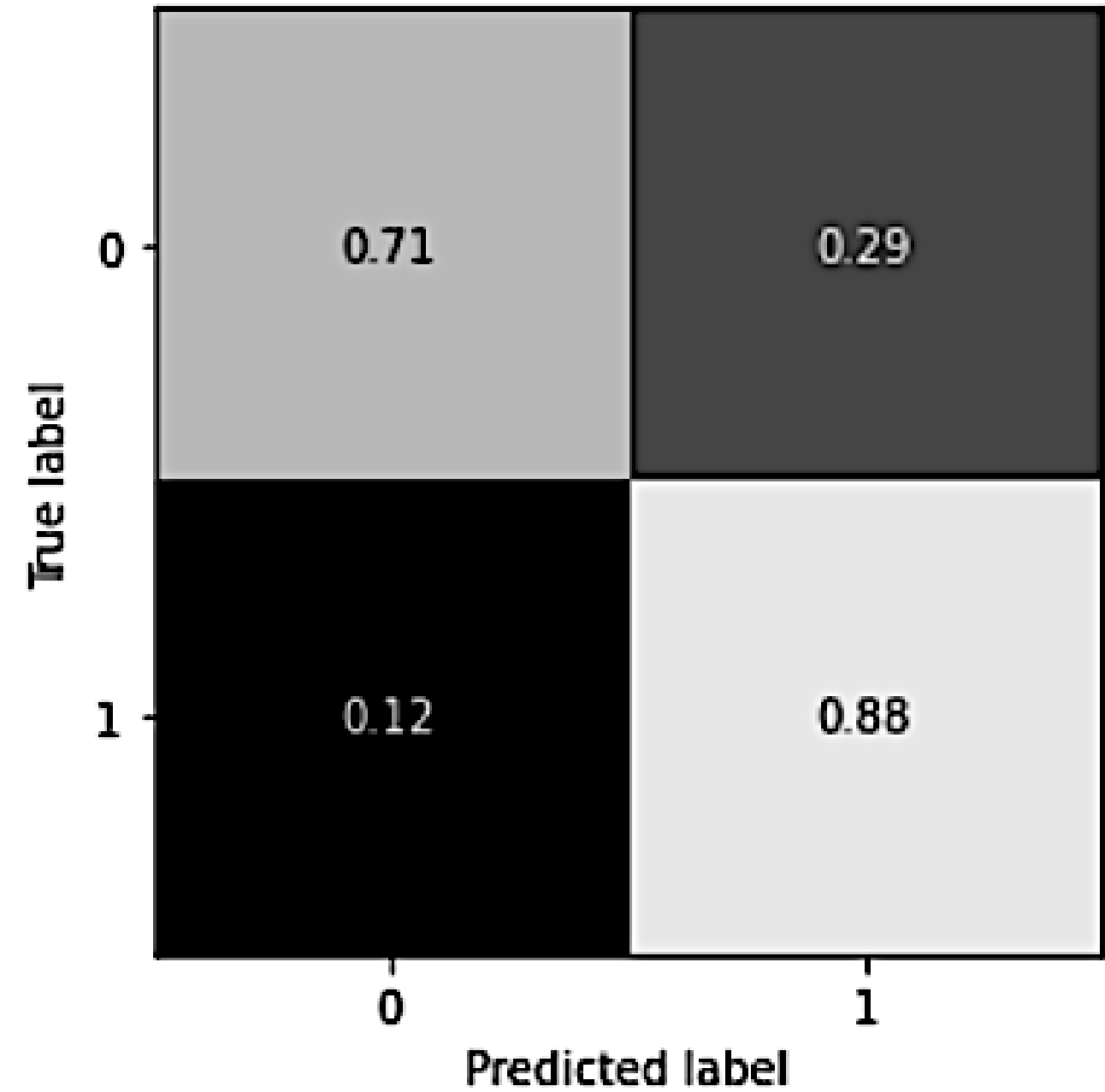


THE MODEL

- Age of pumps
- Quantity of water
- Quality of water
- Water Source
- Location
- Funders

RESULTS

78% Precision



WHERE TO FOCUS?

- Wells with enough water
- Free Water Pumps
- Funding

NEXT STEPS

01

Update Data

02

Maintain Model

03

Climate

THANK YOU

JEN SANS, WAYNE HARRISON, DEREK SUPINO

[HTTPS://GITHUB.COM/DJS6478/WELL-PROJECT](https://github.com/DJS6478/Well-Project)