



TANZANIA WATER FUND

STUDENT NAME : BRENDA MWANGI

PHASE 3 PROJECT

ASSIGNMENT : TANZANIAN WATER WELL ANALYSIS

Icon Data Scientist

TECH Data Scientist

Agenda

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Overview

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Business
Understanding

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Data

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Model

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Evaluation

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Next
Steps

Business understanding

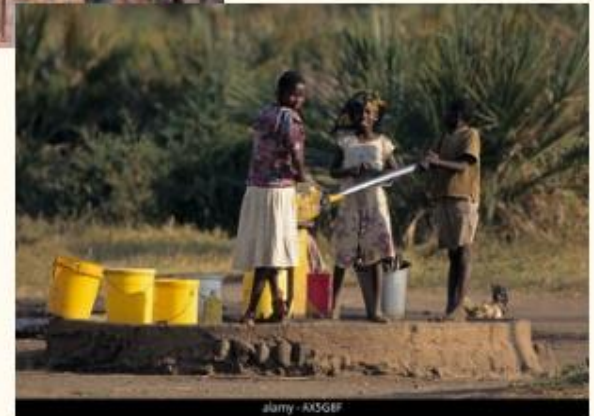


Data

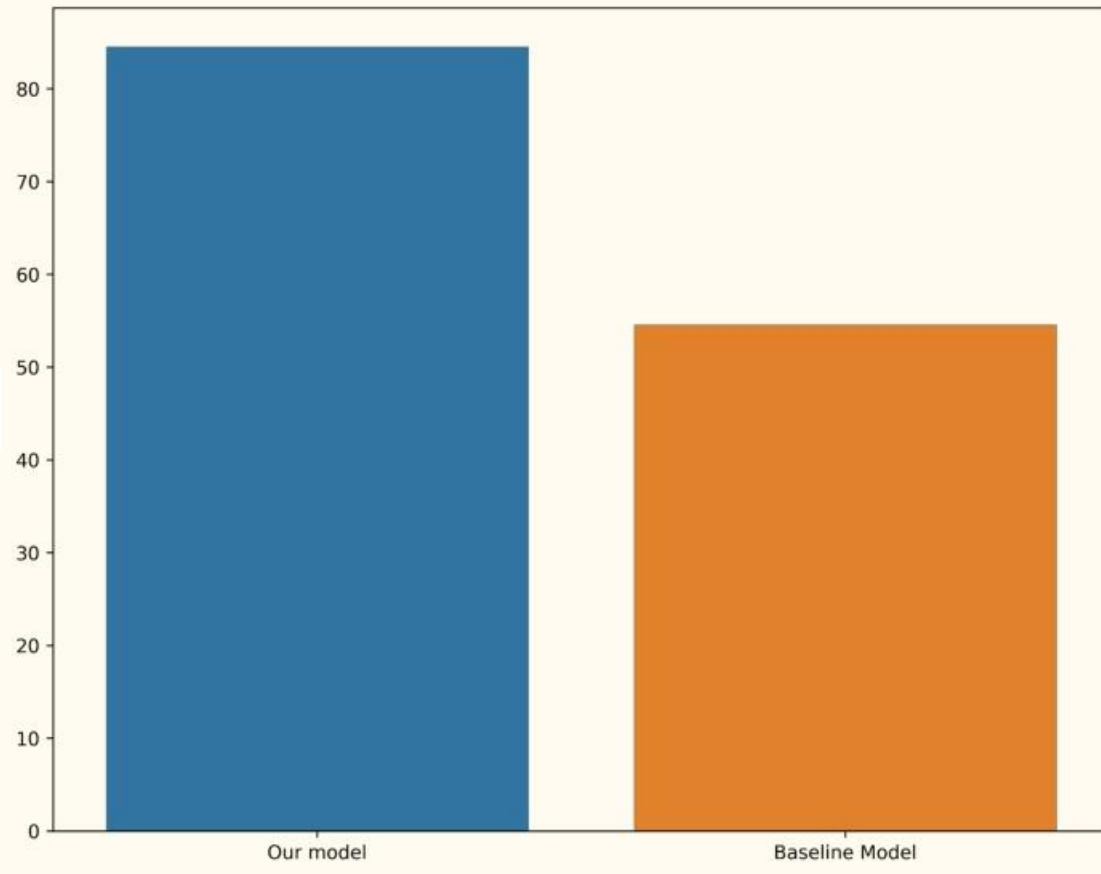
Over 59,000
waterpoints

Records
from
2002 - 2013

Functional
Non-functional
Repair needed

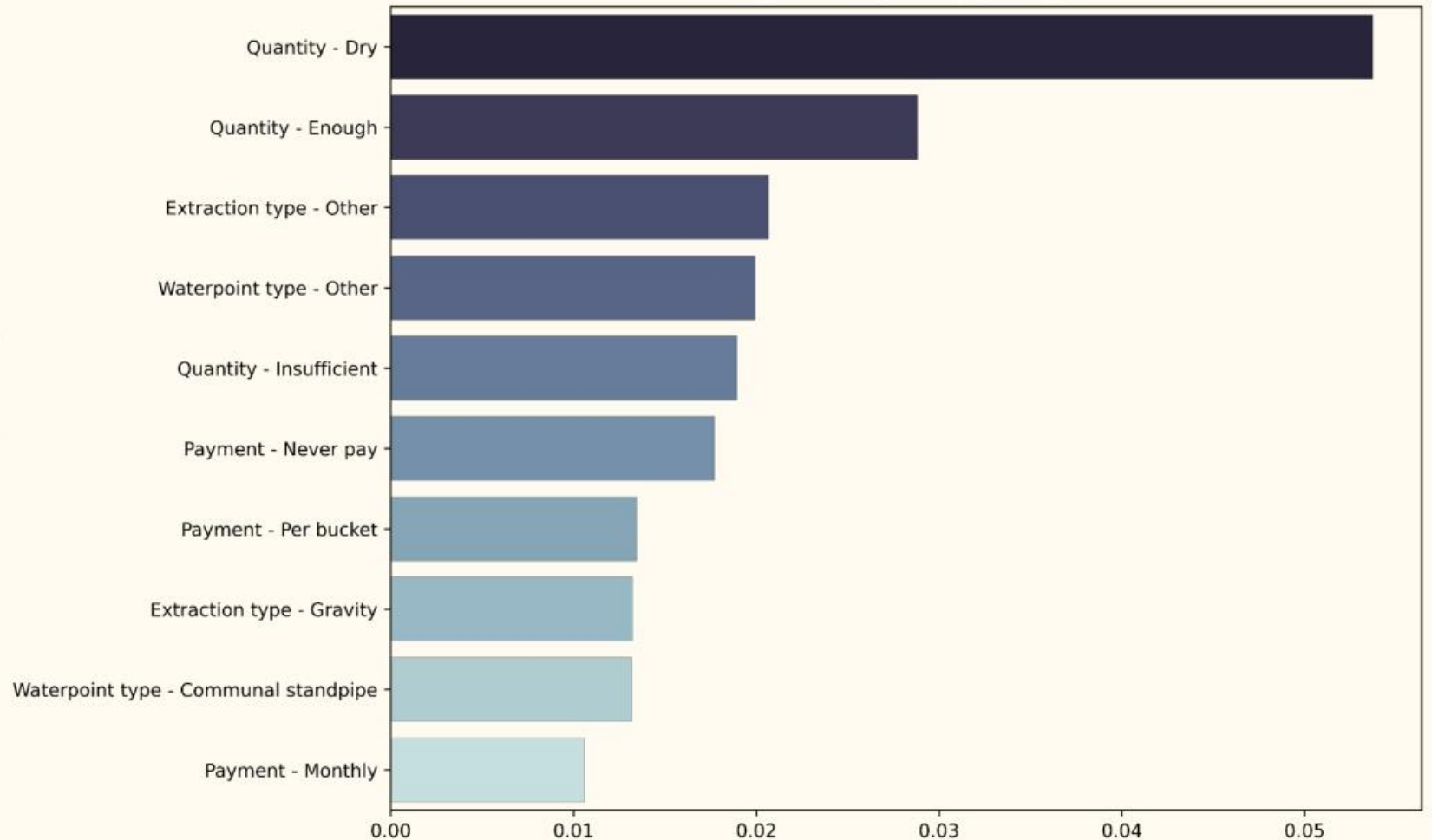


Model

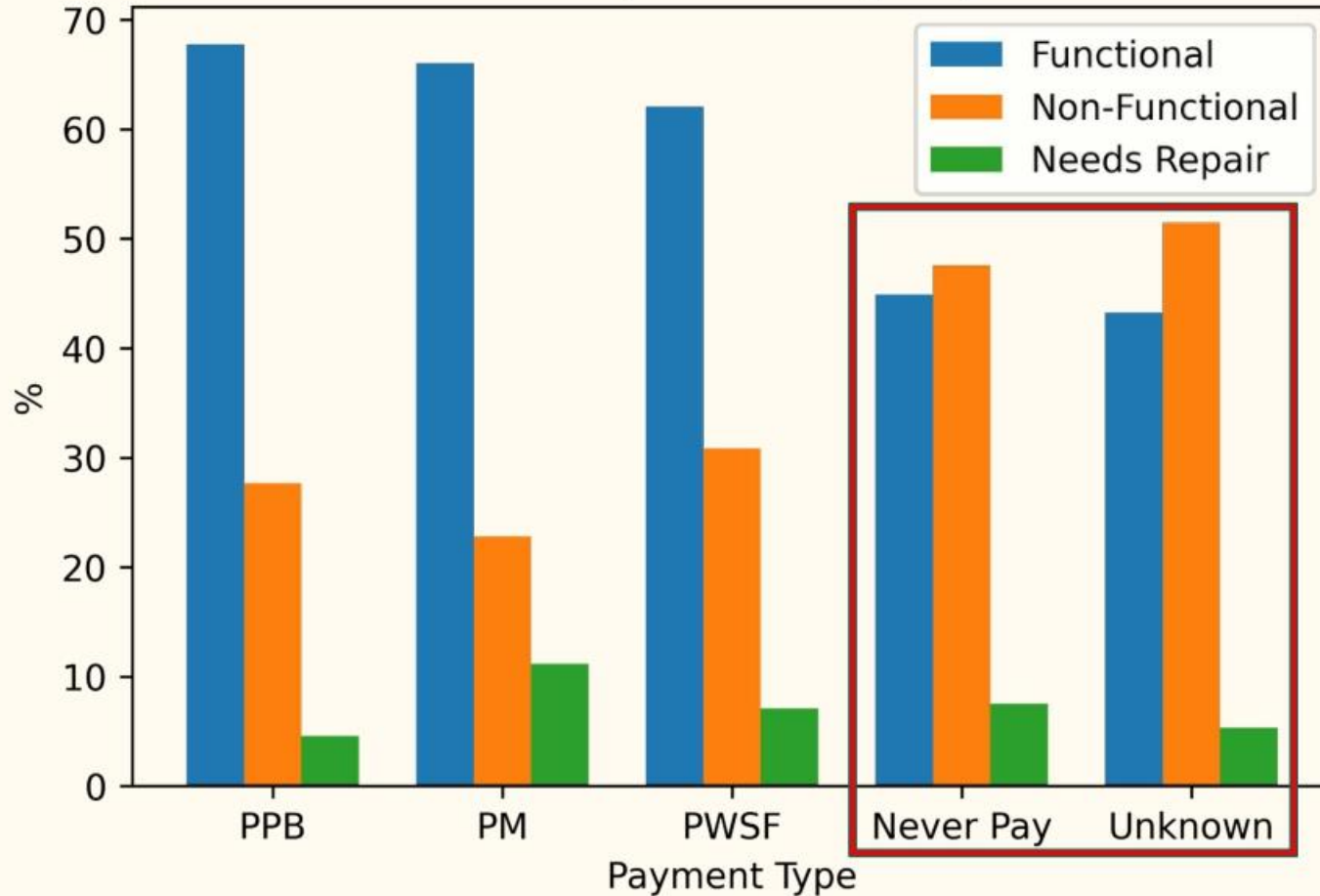


85%
Accuracy

MODEL FEATURE IMPORTANCE



Functionality of Wells by Payment

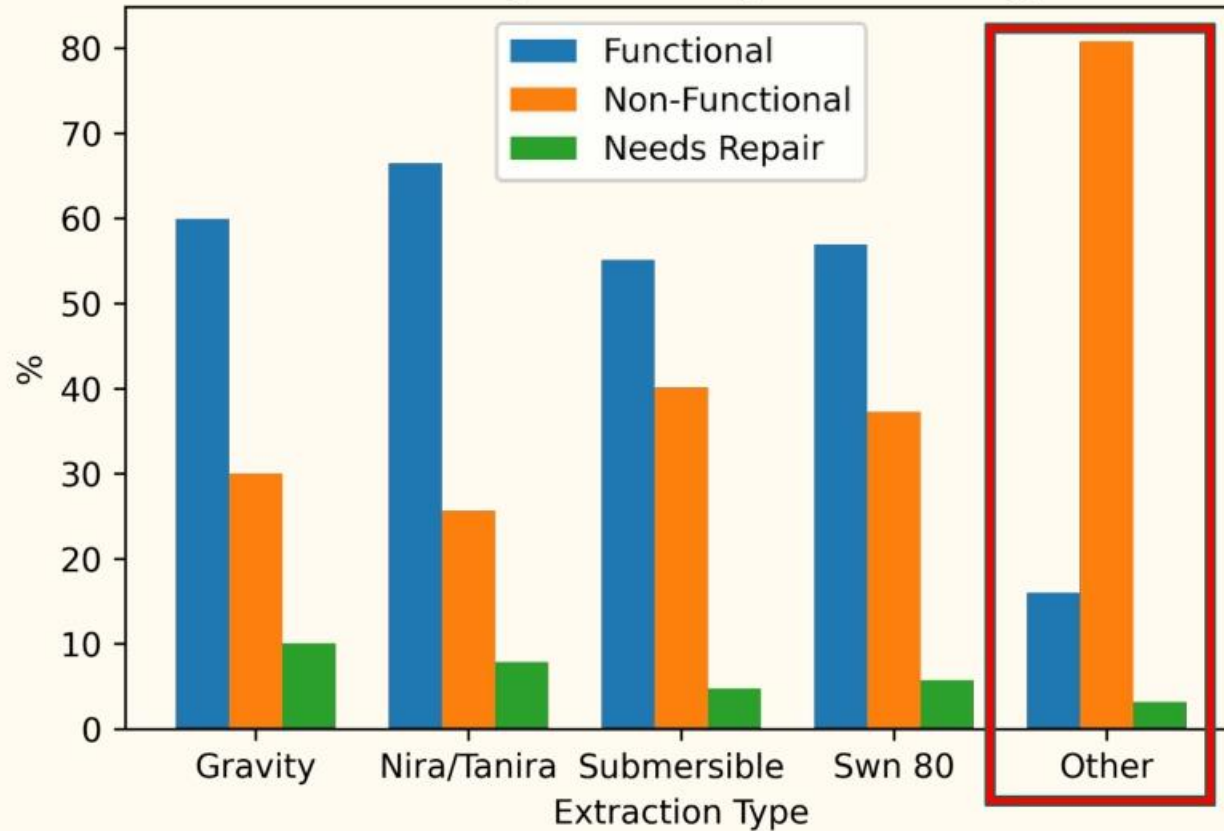


PPB: Pay Per Bucket

PM: Pay Monthly

PWSF: Pay When
Scheme Fails

Functionality of Wells by Extraction Type



Next Steps

Distribution of resources

Seasons/Weather

Ecosystem

