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# Tanzania Water Wells

Water Wells in Tanzania: Insights and Predictive Modeling

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# CURRENT WATER WELLS

54%

Functional Well

38%

Functional - Needs  
Repair

8%

Non Functional

# MODEL

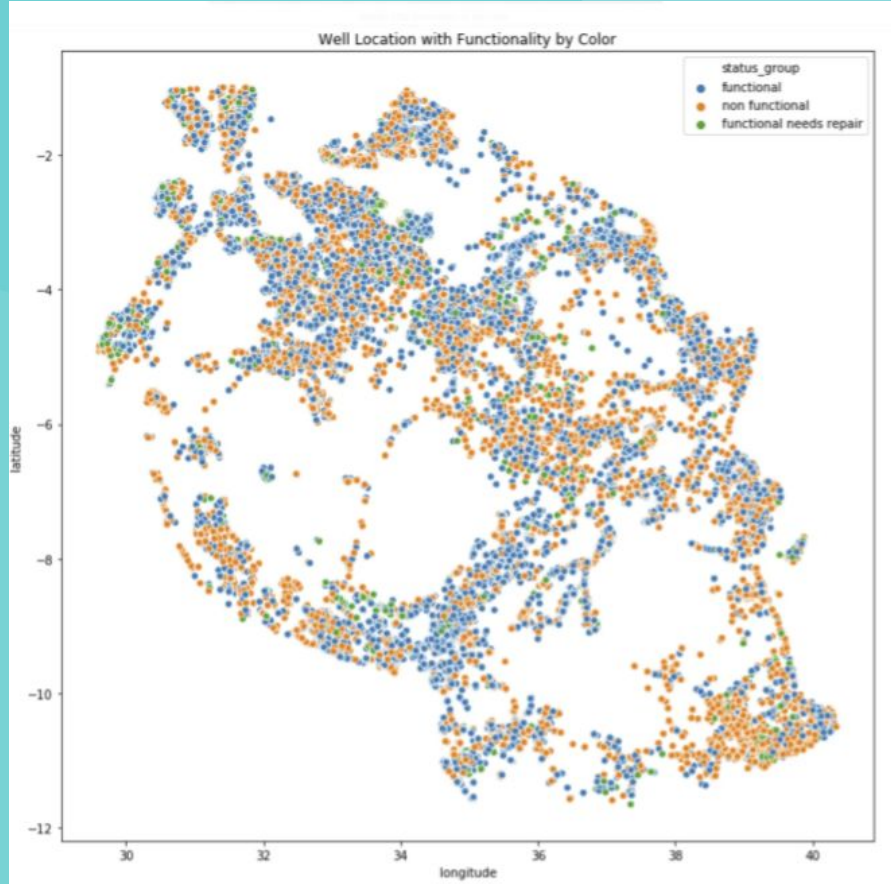
## GOAL: PREDICT THE FUNCTIONALITY OF A WATER WELL

82% accuracy for  
new wells



75% accuracy for  
current wells

# CURRENT WATER WELLS



[Source](#)

# USE CASES



**EMERGENCY  
PREPAREDNESS**



**POLICY INSIGHTS**



**COMMUNITY PLANNING**



**RESOURCE  
MANAGEMENT**

EFFICIENCY IS KEY

For this one model:

1 data scientist

1 project

1-week turnaround



## NEXT STEPS

Explore

Develop Maintenance Plan

Feedback Loop



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# Thank you!

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