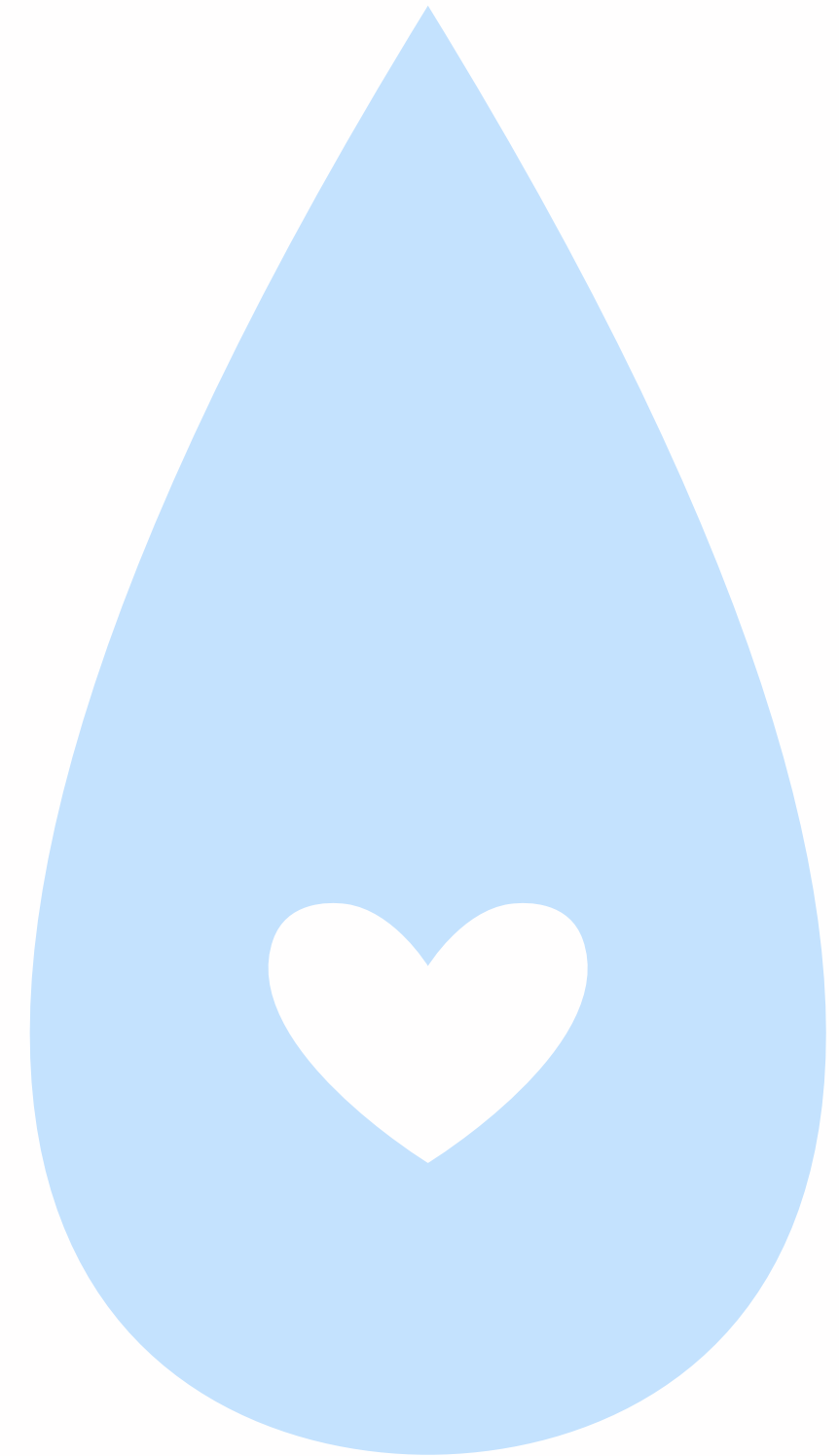


Flatiron School

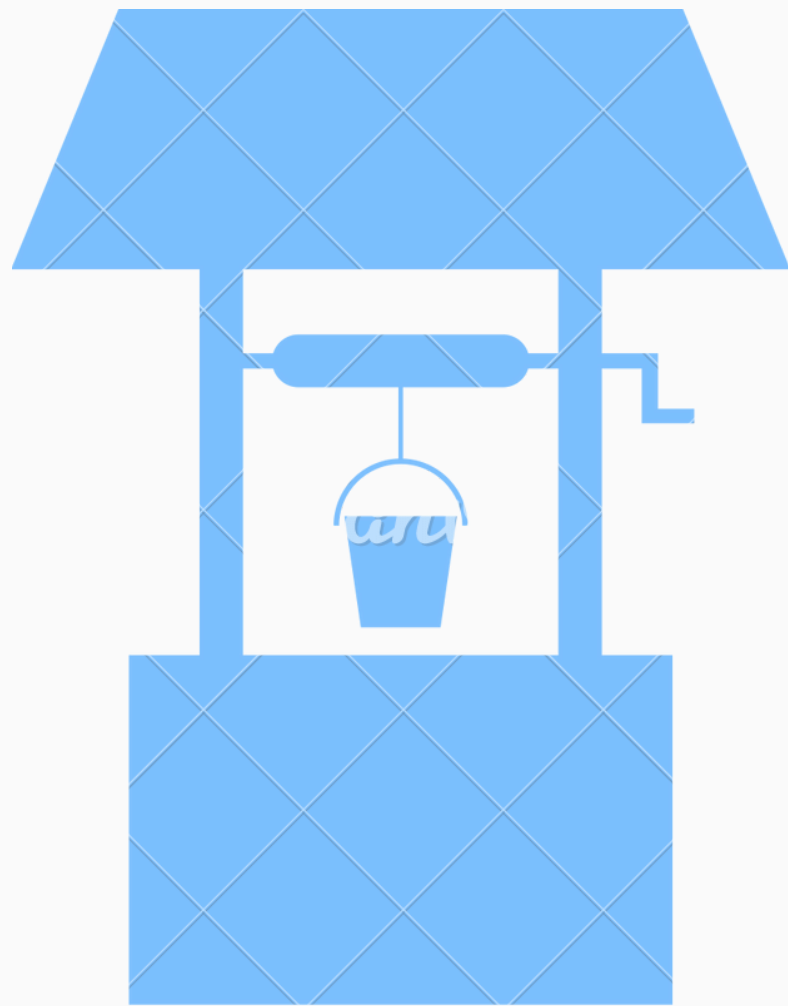
# TANZANIA WATER WELLS

---

BY ANAT JACOBSON



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# Business Problem & Understanding



Stakeholders: Government of Tanzania + Well Repairers

Business Problem: Water wells + shortage within Tanzania

# Data Overview



Quality  
5



Region  
26



Funder  
1.8k

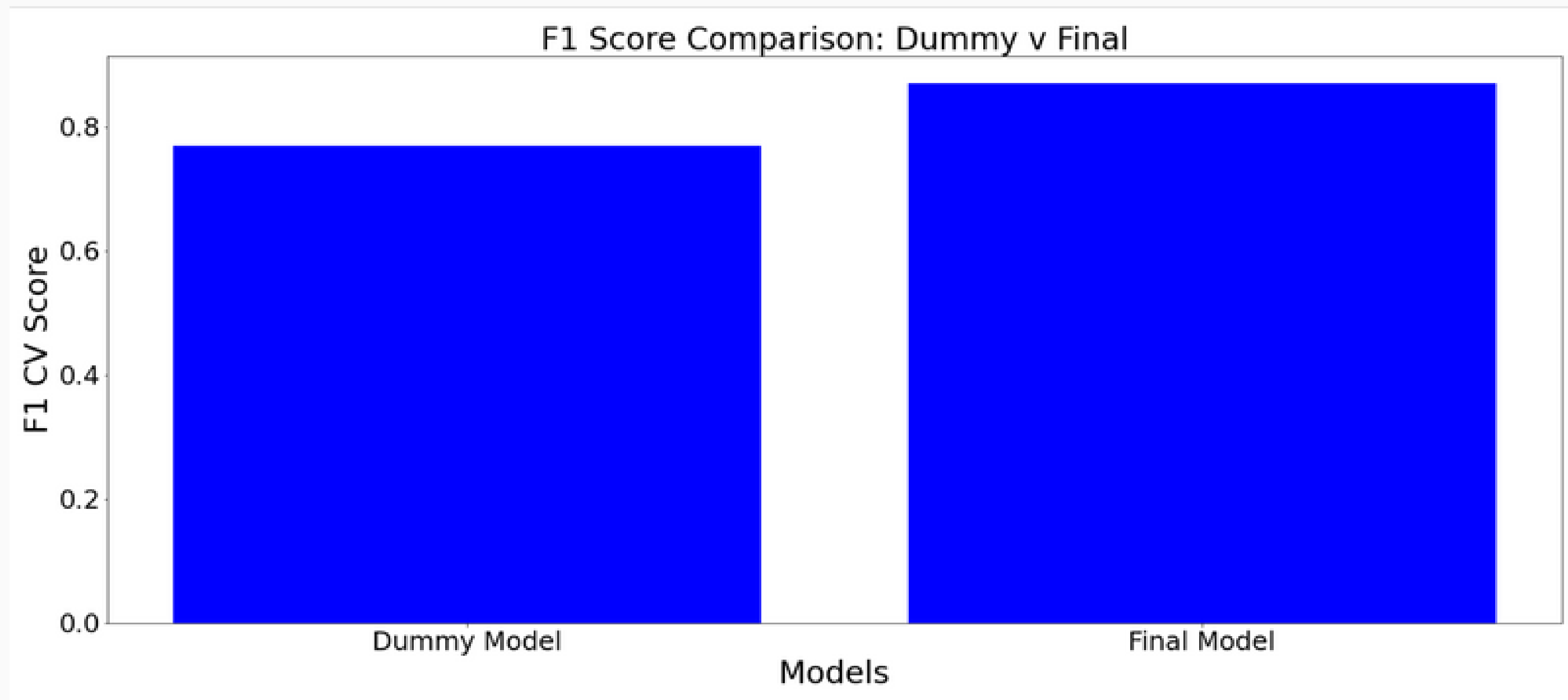


Source Type  
7

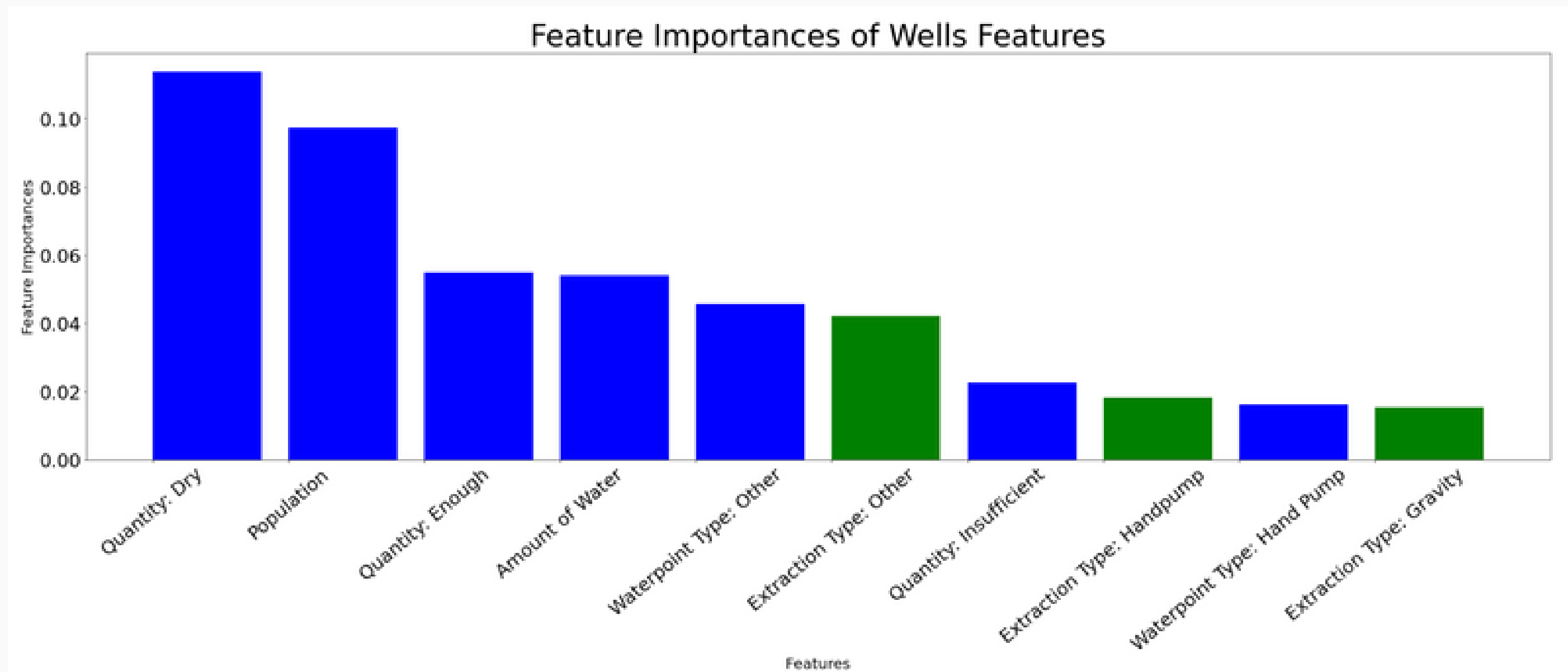
# Model Predictions

Dummy Model F1 Score: 77%

Final Model F1 Score: 87%



# Feature Importance




# Conclusion & Next Steps

Conclusion:

- Model to predict which well are functional

Additional information:

- Feature Analysis
  - Further tuning
  - More locations
- 

# Thank you!

## Questions?

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**Project Repository link:** <https://github.com/anat-jacobson>

