

Tanzania Water Project

Mia Fryer, Sejin Jang, Harman Singh

Business Problem

**What are the key features
that predict the condition of a
water well?**



Agenda

- **Data**
- **Conditions of Water Well**
- **Key Features**
- **Our Model**

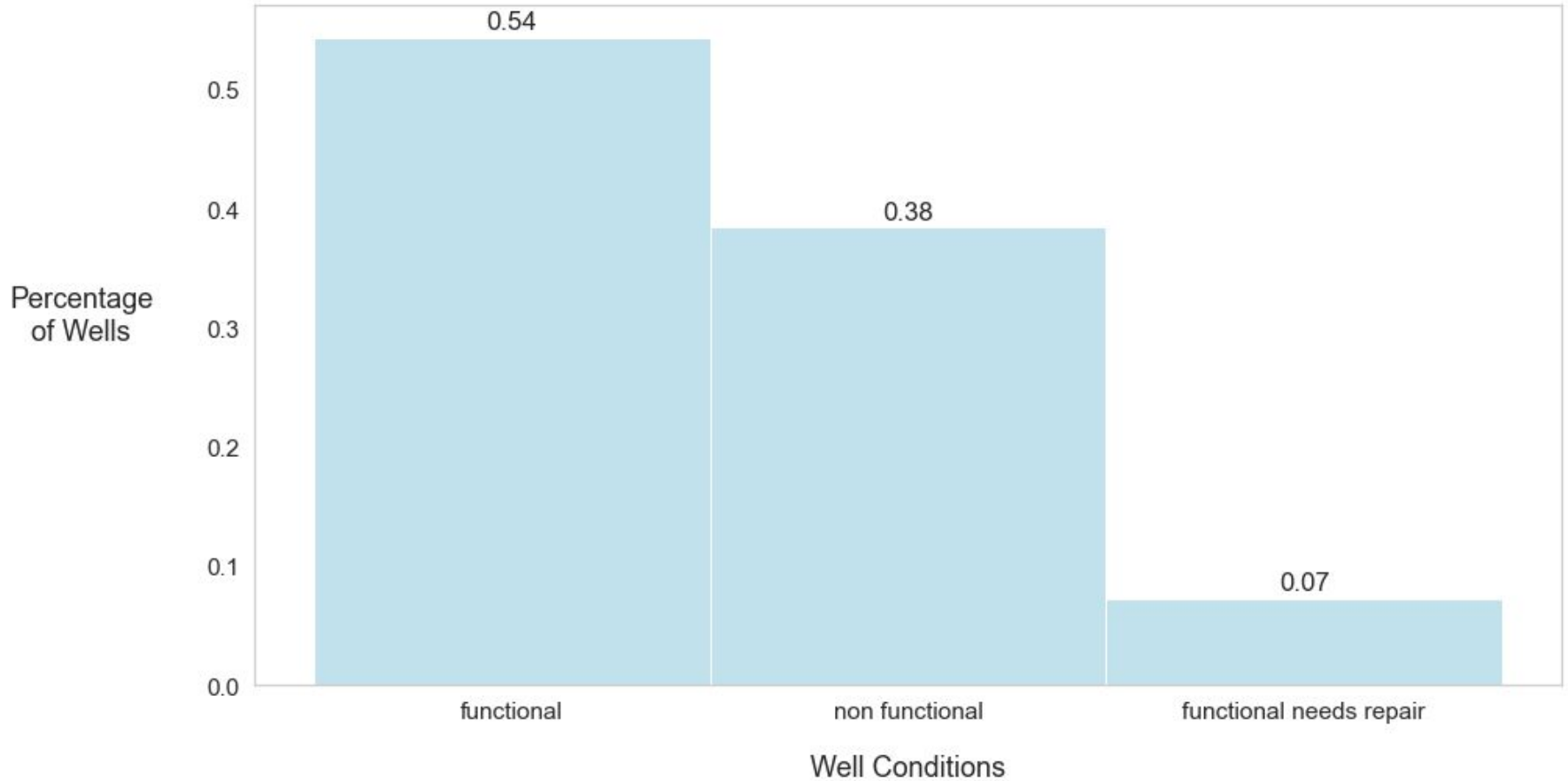




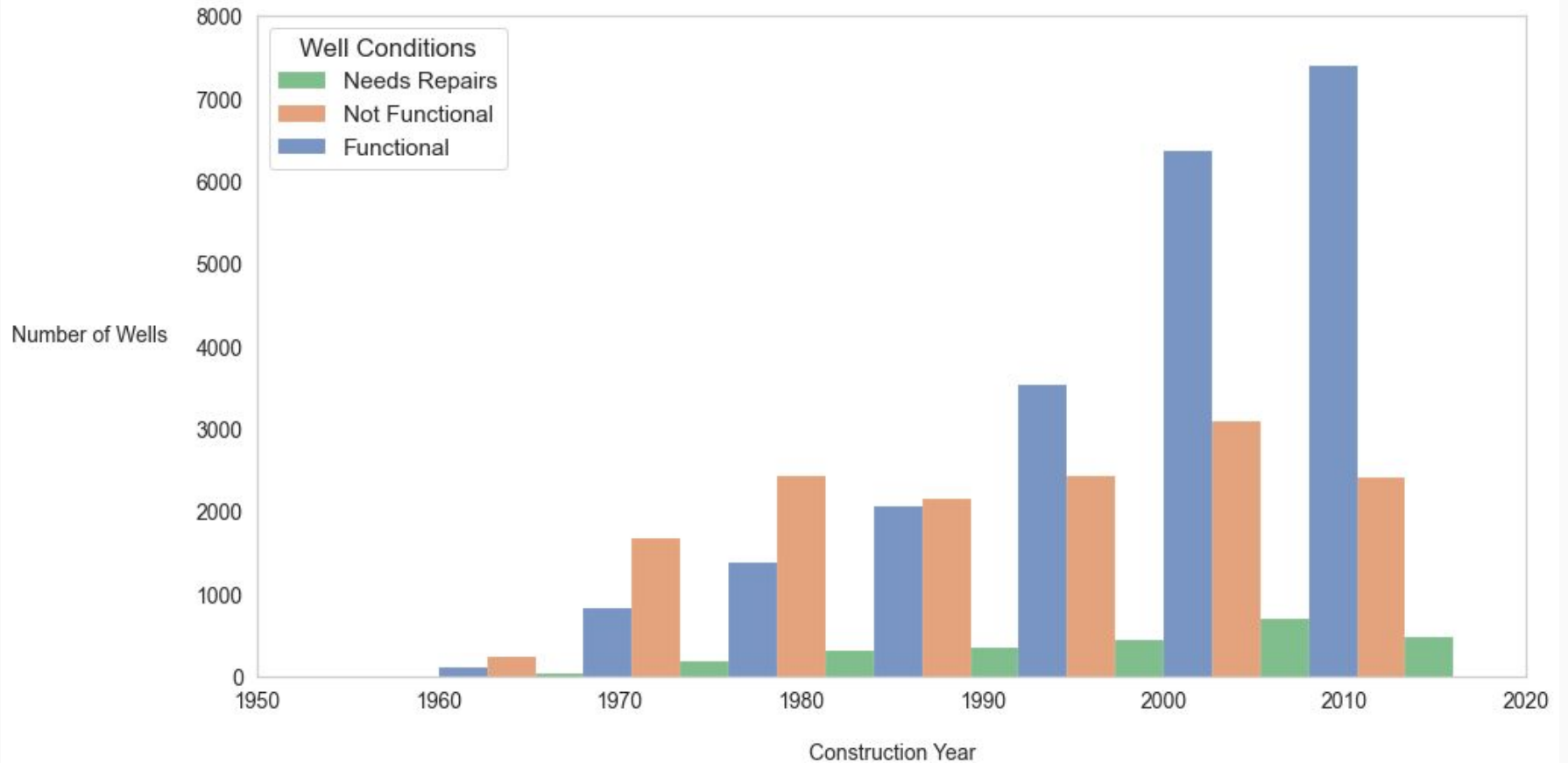
DRIVENDATA

- **Tanzania Ministry of Water**
- **59,400 water wells**
- **1960s - 2013**
- **39 features**
- **3 classes**

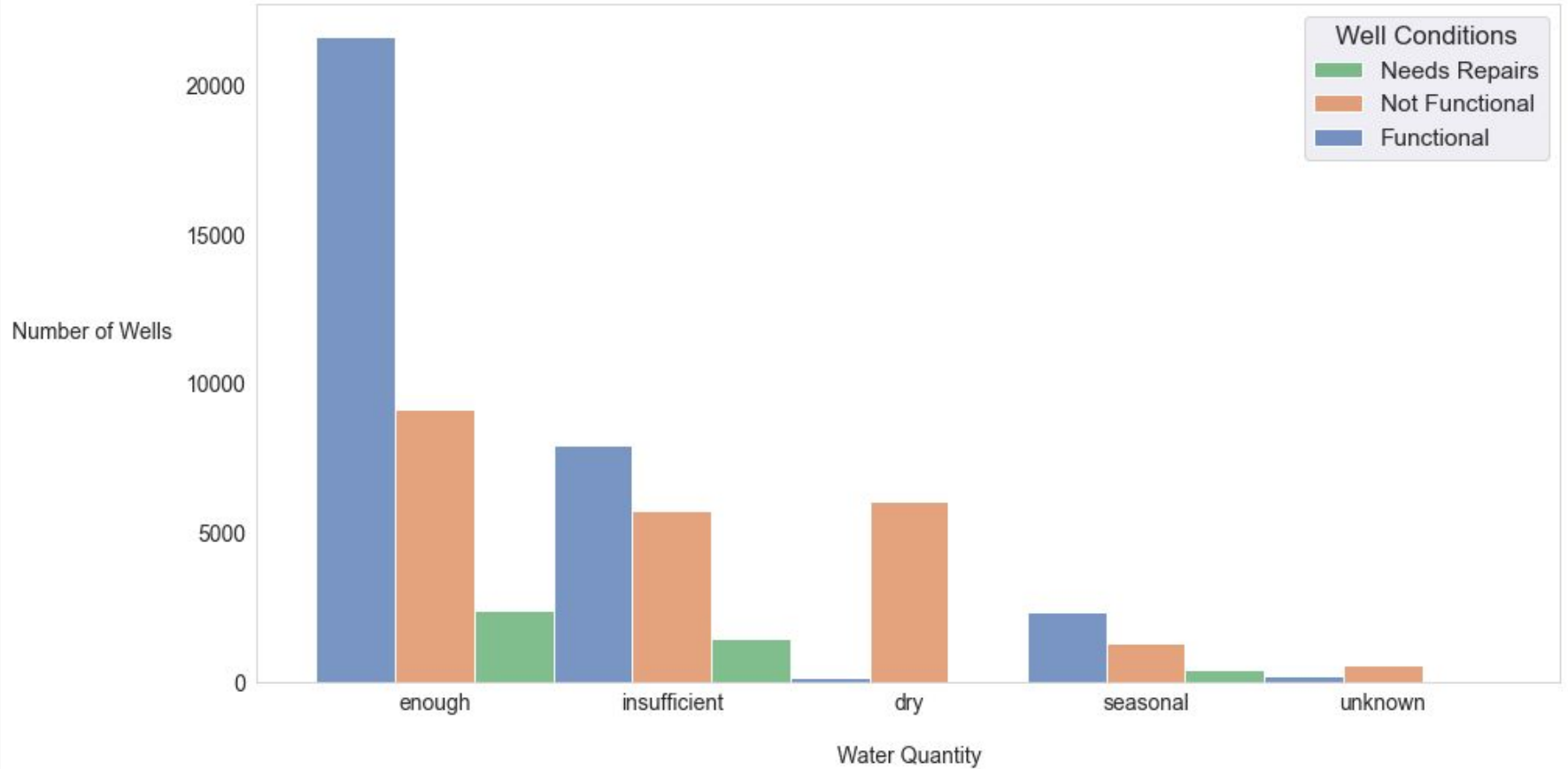
Conditions of Water Wells



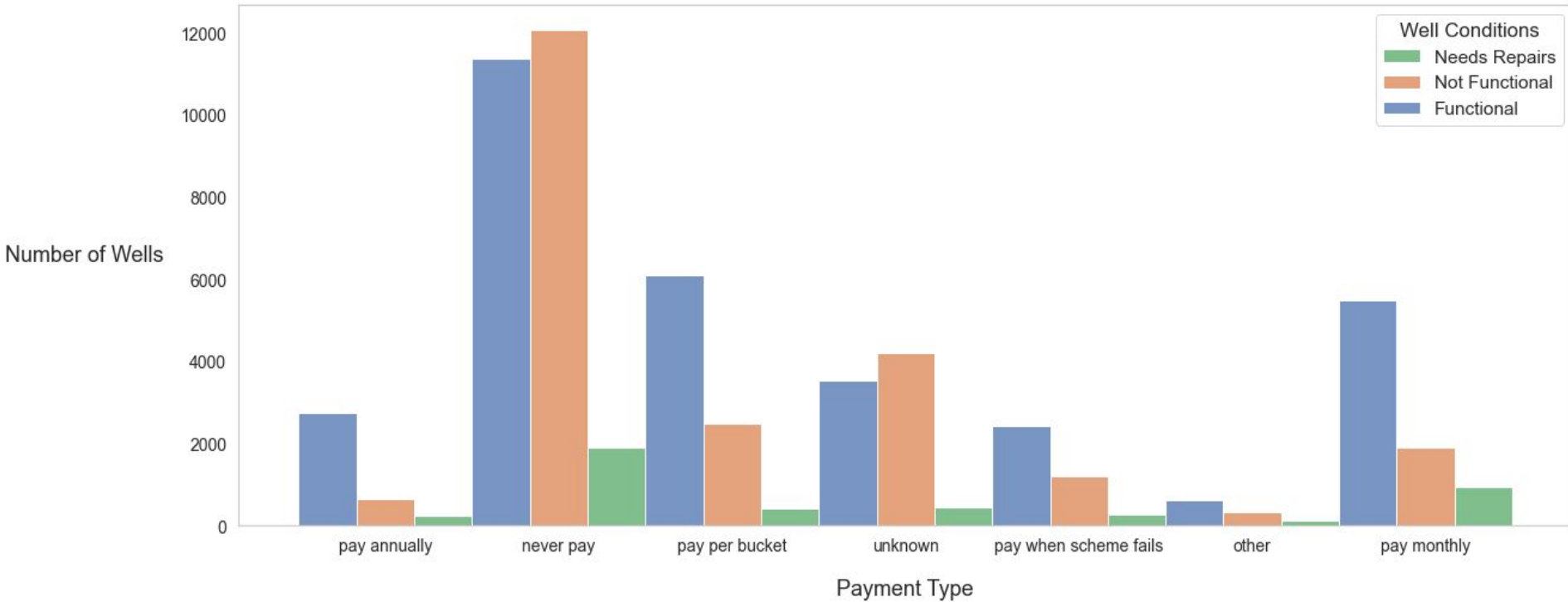
Construction Year



Water Quantity



Payment Type



Our Model

- **Accuracy of 80%**
- **Gives a good prediction on which well is not working**
- **Can help improve maintenance operations and water accessibility**

Thank You!
Any Questions?

