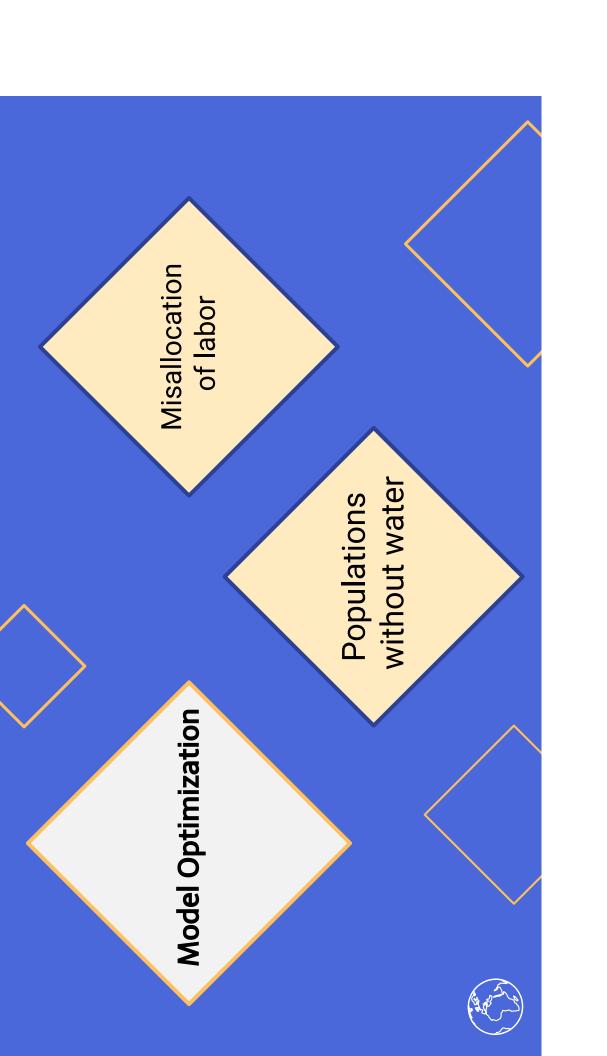


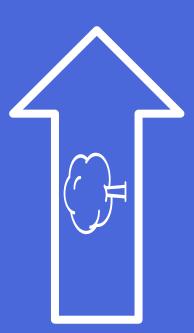
Water, water everywhere?







Process





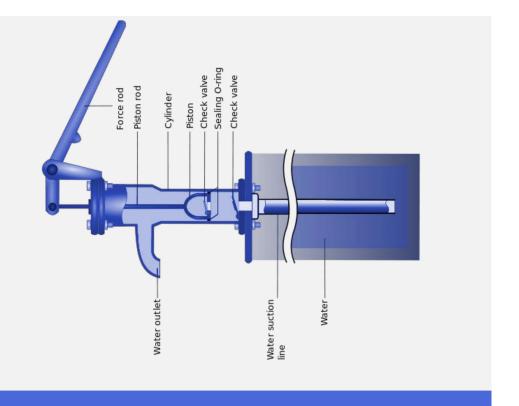


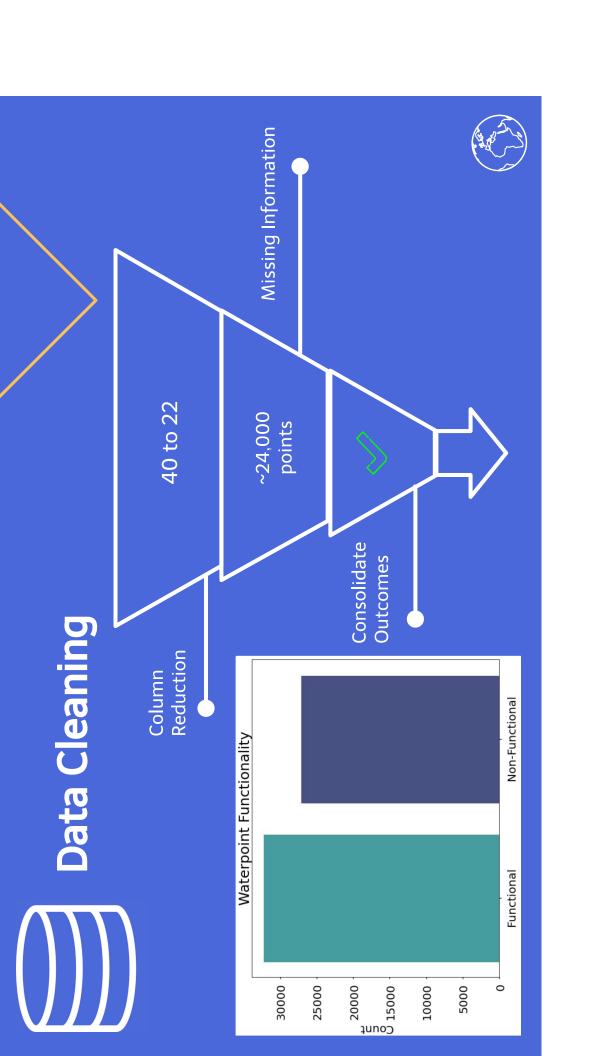


Dataset Characteristics

- ~59,000 water pumps
- Collected between 2002 2014
- From Ministry of Water & Taarifa
- 31 categorical, 9 numeric features



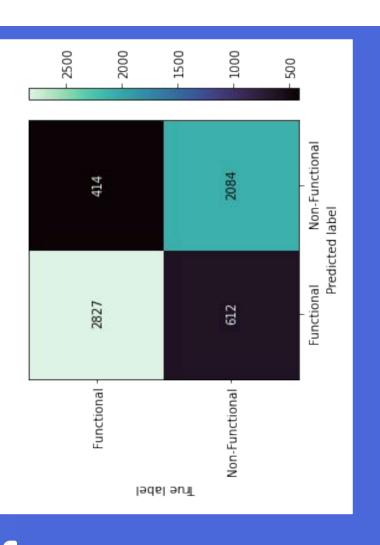






Modeling & B. Evaluation

- Based on Decision Tree
- 82.7% accurate for all predictions
- 77.3% accurate for truly non-functional
- 83.4% accurate for predicted non-functional





Next Steps

- Revise data collection processes
- Integrate external geodata
- Expand number of classifiers in model

