ㅇ jj-yoon / **dsc-phase-3-project**

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▨ **jj-yoon** not complete   · · ·   1 minute ago   ⏱ 15

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Waterpoints in Tanzania

🖼Foundation_Stone_Laying_Ceremony image_source

Overview

Tanzania, as a developing country, struggles with providing clean water to its population of over 57,000,000. There are many waterpoints already established in the country, but some are in need of repair while others have failed altogether.

The Business Problem

A smart understanding of which waterpoints will fail can improve maintenance operations and ensure that clean, potable water is available to communities across Tanzania.

Raw Data

Information provided about each of the waterpoints include locations, amount_tsh - Total static head (amount water available to waterpoint) date_recorded - The date the row was entered funder - Who funded the well gps_height - Altitude of the well installer - Organization that installed the well longitude - GPS coordinate latitude - GPS coordinate wpt_name - Name of the waterpoint if there is one num_private - basin - Geographic water basin subvillage - Geographic location region - Geographic location region_code - Geographic location (coded) district_code - Geographic location (coded) lga - Geographic location ward - Geographic location population - Population around the well public_meeting - True/False recorded_by - Group entering this row of data scheme_management - Who operates the waterpoint scheme_name - Who operates the waterpoint permit - If the waterpoint is permitted construction_year - Year the waterpoint was constructed extraction_type - The kind of extraction the waterpoint uses extraction_type_group - The kind of extraction the waterpoint uses extraction_type_class - The kind of extraction the waterpoint uses management - How the waterpoint is managed management_group - How the waterpoint is managed payment - What the water costs payment_type - What the water costs water_quality - The quality of the water quality_group - The quality of the water quantity - The quantity of water quantity_group - The quantity of water source - The source of the water source_type - The source of the water source_class - The source of the water waterpoint_type - The kind of waterpoint waterpoint_type_group - The kind of waterpoint

Exploring the Data

Key Points

Modelling

Model Analysis

Summary

Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package

Languages

- Jupyter Notebook 100.0%