



Your goal is to predict the operating condition of a waterpoint for each record in the dataset. You are provided the following set of information about the waterpoints:

- 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

## Feature data example

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For example, a single row in the dataset might have these values:

<b>amount_tsh</b>	300.0
<b>date_recorded</b>	2013-02-26
<b>funder</b>	Germany Republi
<b>gps_height</b>	1335
<b>installer</b>	CES
<b>longitude</b>	37.2029845
<b>latitude</b>	-3.22870286
<b>wpt_name</b>	Kwaa Hassan Ismail
<b>num_private</b>	0
<b>basin</b>	Pangani
<b>subvillage</b>	Bwani
<b>region</b>	Kilimanjaro
<b>region_code</b>	3
<b>district_code</b>	5
<b>lga</b>	Hai
<b>ward</b>	Machame Uroki
<b>population</b>	25
<b>public_meeting</b>	True
<b>recorded_by</b>	GeoData Consultants Ltd
<b>scheme_management</b>	Water Board
<b>scheme_name</b>	Uroki-Bomang'ombe water sup
<b>permit</b>	True
<b>construction_year</b>	1995

<b>extraction_type</b>	gravity
<b>extraction_type_group</b>	gravity
<b>extraction_type_class</b>	gravity
<b>management</b>	water board
<b>management_group</b>	user-group
<b>payment</b>	other
<b>payment_type</b>	other
<b>water_quality</b>	soft
<b>quality_group</b>	good
<b>quantity</b>	enough
<b>quantity_group</b>	enough
<b>source</b>	spring
<b>source_type</b>	spring
<b>source_class</b>	groundwater
<b>waterpoint_type</b>	communal standpipe
<b>waterpoint_type_group</b>	communal standpipe

The labels in this dataset

