



Description

This database contains the records of a water survey for the Integrated Project.

Data model

The database **md_water_services** includes more than 60 000 unique records and 43 columns. The data model, including the column names, data types and feature descriptions, is included in *Table 1* ordered by table.

Table 1: The data model for the md_water_services database.

employee table		
Column name	Description	Data type
assigned_employee_id	Unique ID assigned to each employee.	INT
employee_name	Name of the employee.	VARCHAR(255)
phone_number	Contact number of the employee.	VARCHAR(15)
email	Email address of the employee.	VARCHAR(255)
address	Residential address of the employee.	VARCHAR(255)
town_name	Name of the town where the employee resides.	VARCHAR(255)
province_name	Name of the province where the employee resides.	VARCHAR(255)
position	Position or job title of the employee.	VARCHAR(255)

global_water_access table		
Column name	Description	Data type
name	The country or area name.	VARCHAR(255)
region	Geographical region.	VARCHAR(255)
year	Year of the data record.	INT
pop_n	The national population size estimate in thousands.	FLOAT
pop_u	The urban population share estimate in percentage points (%).	FLOAT

wat_bas_n	The estimated national share of people with at least basic service (%).	FLOAT
wat_lim_n	The estimated national share of people with limited service (%).	FLOAT
wat_unimp_n	The estimated national share of people with unimproved service (%).	FLOAT
wat_sur_n	The estimated national share of people with surface service (%).	FLOAT
wat_bas_r	The estimated rural share of people with at least basic service (%).	FLOAT
wat_lim_r	The estimated rural share of people with limited service (%).	FLOAT
wat_unimp_r	The estimated rural share of people with unimproved service (%).	FLOAT
wat_sur_r	The estimated rural share of people with surface service (%).	FLOAT
wat_bas_u	The estimated urban share of people with at least basic service (%).	FLOAT
wat_lim_u	The estimated urban share of people with limited service (%).	FLOAT
wat_unimp_u	The estimated urban share of people with unimproved service (%).	FLOAT
wat_sur_u	The estimated urban share of people with surface service (%).	FLOAT

location table		
Column name	Description	Data type
location_id	Unique ID assigned to each location.	VARCHAR(255)
address	Address of the location.	VARCHAR(255)
province_name	Name of the province where the location is situated.	VARCHAR(255)
town_name	Name of the town where the location is situated.	VARCHAR(255)

location_type	Type or category of the location.	VARCHAR(255)
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visits table		
Column name	Description	Data type
record_id	Unique ID assigned to each visit.	INT
location_id	ID of the location visited.	VARCHAR(255)
source_id	ID of the water source visited.	VARCHAR(510)
time_of_record	Date and time of the visit.	DATETIME
visit_count	Number of visits made to this location.	INT
time_in_queue	Time spent by people waiting for water in a queue at the location.	INT
assigned_employee_id	ID of the employee who visited the location.	INT

water_quality table		
Column name	Description	Data type
record_id	Unique ID assigned to each record.	INT
subjective_quality_score	Score representing the subjective quality of the water source.	INT
visit_count	Number of visits made for data collection.	INT

water_source table		
Column name	Description	Data type
source_id	Unique ID assigned to each water source.	INT
type_of_water_source	Type or category of the water source. Can be: tap_in_home, tap_in_home_broken, well, shared_tap, river.	INT
Number_of_people_served	Number of people served by this water source.	INT

well_pollution table		
Column name	Description	Data type
source_id	ID of the water source being tested for pollution.	VARCHAR(258)
date	Date of the pollution test.	DATETIME
description	Description of the pollution test.	VARCHAR(255)
pollutant_ppm	Result of the pollution test in parts per million.	FLOAT
biological	Biological contamination level.	FLOAT
results	Result of the pollution test.	VARCHAR(255)