

Navigator:

## SCHEMAS

Filter objects

- company\_data
- md\_water\_services
  - Tables
    - data\_dictionary
    - employee
    - global\_water\_access
    - location
    - visits
      - Columns
        - record\_id
        - location\_id
        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
        - assigned\_em
  - Indexes
  - Foreign Keys
  - Triggers

Administration Schemas

Information

Column: time\_in\_queue

Definition:

time\_in\_queue int

2. 23 2.4 2.5 2.6 2.7 2.8 SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\* x

Limit to 1000 rows

```
29 -- Tuesday
30 ROUND(AVG(
31 CASE
32 WHEN DAYNAME(time_of_record) = 'Tuesday' THEN time_in_queue
33 ELSE NULL
34 END
35 ),0) AS Tuesday,
36
37 -- Wednesday
38 ROUND(AVG(
39 CASE
40 WHEN DAYNAME(time_of_record) = 'Wednesday' THEN time_in_queue
41 ELSE NULL
42 END
43 )
```

Result Grid Filter Rows: Export: Wrap Cell Content: A

	HOURS_OF_DAY	Sunday	Monday	Tuesday	Wednesday	THURSDAY	FRIDAY
▶	06:00:00	79	190	134	112	134	153
	07:00:00	82	186	128	111	139	156
	08:00:00	86	183	130	119	129	153
	09:00:00	84	127	105	94	99	107
	10:00:00	83	119	99	89	95	112
	11:00:00	78	115	102	86	99	104
	12:00:00	78	115	97	88	96	109

Result 2 x

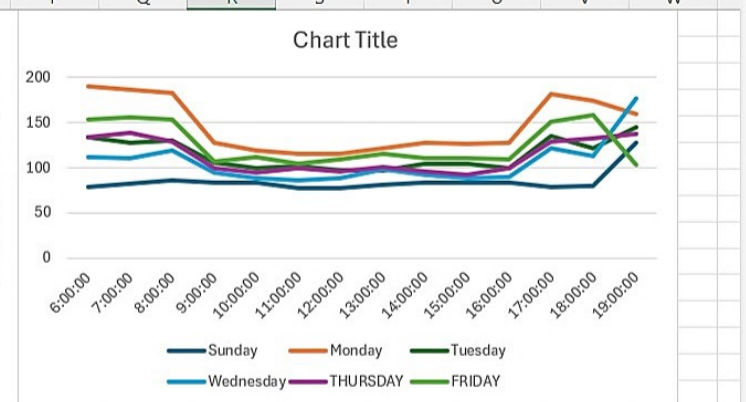
Result Grid  
Form Editor  
Read Only

 POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Chart Title

Time Interval	Sunday	Monday	Tuesday	Wednesday	THURSDAY	FRIDAY
6:00:00	80	190	130	120	130	150
7:00:00	80	185	125	110	135	155
8:00:00	85	185	125	115	130	150
9:00:00	85	125	105	100	125	145
10:00:00	85	115	100	95	110	105
11:00:00	80	110	100	90	105	100
12:00:00	80	110	100	90	105	100
13:00:00	85	120	105	100	110	115
14:00:00	85	120	105	100	110	115
15:00:00	85	125	105	100	110	115
16:00:00	85	125	105	100	110	115
17:00:00	80	180	130	120	130	150
18:00:00	80	175	125	110	135	155
19:00:00	125	140	135	175	140	100



Navigator

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        - time\_in\_queue
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  - Triggers

Administration Schemas

Information

Column: time\_in\_queue

Definition:  
time\_in\_queue int

PROJECT 1 SQL File 14\* SQL File 13\* SQL File 15\* SQL File 16\* SQL File 17\* SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\*

Limit to 1000 rows

```
1 • set sql_safe_updates =0;
2 • use md_water_services;
3 • select * from employee;
4
5 -- first_name.last_name@ndogowater.gov.
6 • update employee
7   set email=concat(lower(REPLACE(employee_name, ' ', '.')), '@ndogowater.gov');
8
9 • SELECT *
10  FROM employee
```

Result Grid

	assigned_employee_id	employee_name	phone_number	email	address	province_name	town_name	position
0		Amara Jengo	+99637993287	amara.jengo@ndogowater.gov	36 Pwani Mchangani Road	Sokoto	Ilanga	Field Surveyor
1		Bello Azibo	+99643864786	bello.azibo@ndogowater.gov	129 Ziwa La Kioo Road	Kilimani	Rural	Field Surveyor
2		Bakari Iniko	+99222599041	bakari.iniko@ndogowater.gov	18 Mlima Tazama Avenue	Hawassa	Rural	Field Surveyor
3		Malachi Mavuso	+99945849900	malachi.mavuso@ndogowater.gov	100 Mogadishu Road	Akatsi	Lusaka	Field Surveyor
4		Cheche Buhle	+99381679640	cheche.buhle@ndogowater.gov	1 Savanna Street	Akatsi	Rural	Field Surveyor
5		Zuriel Matembo	+99034075111	zuriel.matembo@ndogowater.gov	26 Bahari Ya Faraja Road	Kilimani	Rural	Field Surveyor
6		Deka Osumare	+99379364631	deka.osumare@ndogowater.gov	104 Kenyatta Street	Akatsi	Rural	Field Surveyor
7		Lalitha Kaburi	+99681623240	lalitha.kaburi@ndogowater.gov	145 Sungura Amanpour Road	Kilimani	Rural	Field Surveyor
8		Enitan Zuri	+99248509202	enitan.zuri@ndogowater.gov	117 Kampala Road	Hawassa	Zanzibar	Field Surveyor
10		Farai Nia	+99570082739	farai.nia@ndogowater.gov	33 Anélique Kidjo Avenue	Amanzi	Dahabu	Field Surveyor

employee 3 x

Apply Revert

Output

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

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        - visit\_count
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    - Indexes
    - Foreign Keys
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Administration Schemas

Information

Column: time\_in\_queue

Definition:  
time\_in\_queue int

PROJECT 1 2 SQL File 13\* x SQL File 15\* SQL File 16\* SQL File 17\* SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL

Limit to 1000 rows

```
1 SELECT length(phone_number)
2 FROM employee;
3
4 UPDATE employee
5 SET phone_number= TRIM(phone_number);
6
7 SELECT phone_number ,length(phone_number)
8 FROM employee;
```

Result Grid

phone_number	length(phone_number)
+99637993287	12
+99643864786	12
+99222599041	12
+99945849900	12
+99381679640	12
+99034075111	12
+99379364631	12
+99681623240	12
+99248509202	12
+99570082739	12
+99439793152	12

Result 4 x

Read Only



Navigator

SCHEMAS

Filter objects

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Administration Schemas

Information

Column: time\_in\_queue

Definition:  
time\_in\_queue int

PROJECT 1 2 2. SQL File 15\* x SQL File 16\* SQL File 17\* SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File

Limit to 1000 rows

```
1
2 • SELECT count(*) SUM_OF_EMPLOYEES,town_name
3 FROM employee
4 group by town_name
```

Result Grid

	SUM_OF_EMPLOYEES	town_name
3		Ilanga
29		Rural
4		Lusaka
4		Zanzibar
6		Dahabu
1		Kintampo
5		Harare
1		Yaounde
3		Serowe

Result 3 x

Read Only

Navigator

SCHEMAS

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    - visits
  - Columns
    - record\_id
    - location\_id
    - source\_id
    - time\_of\_reco
    - visit\_count
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Administration Schemas

Information

PROJECT 1 2 2. 23 SQL File 16\* x SQL File 17\* SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\*

Limit to 1000 rows

```
1 -- GET THE TOP PERFORMERS WHO MADE VISITS
2 • SELECT assigned_employee_id,
3       count(*) AS NUMBER_OF_VISITS
4 FROM visits
5 group by assigned_employee_id
6 order by NUMBER_OF_VISITS DESC
7 LIMIT 3;
8
9 • SELECT E.employee_name,E.assigned_employee_id,count(V.visit_count) AS NUMBER_OF_VISITS
10 FROM employee E
```

Result Grid

	assigned_employee_id	NUMBER_OF_VISITS
1	3708	
30	3676	
34	3539	

Export: | Wrap Cell Content: | Fetch rows:

Result 4 x

Read Only

Column: time\_in\_queue

Definition:

time\_in\_queue int

Navigator

SCHEMAS

Filter objects

- company\_data
- md\_water\_services
  - Tables
    - data\_dictionary
    - employee
    - global\_water\_access
    - location
    - visits
  - Columns
    - record\_id
    - location\_id
    - source\_id
    - time\_of\_reco
    - visit\_count
    - time\_in\_queue
    - assigned\_em
  - Indexes
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Administration Schemas

PROJECT 1 2 2. 23 SQL File 16\* x SQL File 17\* SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\*

Limit to 1000 rows

```
8
9 • SELECT E.employee_name,E.assigned_employee_id,count(V.visit_count) AS NUMBER_OF_VISITS
10 FROM employee E
11 INNER join visits V
12 ON E.assigned_employee_id=V.assigned_employee_id
13 GROUP by E.assigned_employee_id
14 order by NUMBER_OF_VISITS DESC
15 LIMIT 3;
16
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

	employee_name	assigned_employee_id	NUMBER_OF_VISITS
▶	Bello Azibo	1	3708
	Pili Zola	30	3676
	Rudo Imani	34	3539

Result 5 x

Read Only

Column: time\_in\_queue

Definition:  
time\_in\_queue int

Navigator

**SCHEMAS**

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    - visit\_count
    - time\_in\_queue
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Administration Schemas

Information

Column: time\_in\_queue

Definition:  
time in queue int

PROJECT 1 2 2. 23 2.4 SQL File 17\* x SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\*

Limit to 1000 rows

```
1 -- COUNT NUMBER OF RECORDS PER TOWN
2 • SELECT *
3 FROM location;
4
5 • SELECT town_name, COUNT(*) AS RECORD_PER_TOWN
6 FROM location
7 group by town_name
8 ORDER BY RECORD_PER_TOWN;
```

Result Grid

	location_id	address	province_name	town_name	location_type
▶	AkHa00000	2 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00001	10 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00002	9 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00003	139 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00004	17 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00005	125 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00006	98 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00007	21 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00008	11 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00009	6 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00010	28 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00011	32 Addis Ababa Road	Akatsi	Harare	Urban
	AkHa00012	52 Addis Ababa Road	Akatsi	Harare	Urban

location 9 x

Apply Revert



Navigator

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    - record\_id
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Administration Schemas

Information

Column: time\_in\_queue

Definition:  
time\_in\_queue int

PROJECT 1 2 2. 23 2.4 SQL File 17\* x SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\* SQLAdditions

Limit to 1000 rows

```
4
5 • SELECT town_name, COUNT(*) AS RECORD_PER_TOWN
6 FROM location
7 group by town_name
8 ORDER BY RECORD_PER_TOWN;
9
10 -- CREATE RESULTSET(SUMMARY)
11 • SELECT town_name, RECORD_PER_TOWN, COUNT(*) AS NUMBER_OF_RECORDS
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

town_name	RECORD_PER_TOWN
Yaounde	270
Zanzibar	300
Djenne	310
Deka	350
Cheche	370
Abidjan	400
Bello	400
Marang	460
Bahari	470
Serowe	480
Kofi	510
Pwani	520
Matigba	600

Result 10 x

Read Only Context Help

Navigator

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    - location
    - visits
  - Columns
    - record\_id
    - location\_id
    - source\_id
    - time\_of\_reco
    - visit\_count
    - time\_in\_queue
    - assigned\_em
  - Indexes
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Administration Schemas

Information

Column: time\_in\_queue

Definition:  
time\_in\_queue int

PROJECT 1 2 2. 23 2.4 SQL File 17\* x SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\*

Limit to 1000 rows

```

8 ORDER BY RECORD_PER_TOWN;
9
10 -- CREATE RESULTSET(SUMMARY)
11 • SELECT town_name,province_name, COUNT(*) AS NUMBER_OF_RECORDS
12 FROM location
13 group by town_name,province_name
14 order by province_name ASC,NUMBER_OF_RECORDS DESC;
15

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	town_name	province_name	NUMBER_OF_RECORDS
▶	Rural	Akatsi	6290
	Lusaka	Akatsi	1070
	Harare	Akatsi	800
	Kintampo	Akatsi	780
	Rural	Amanzi	3100
	Asmara	Amanzi	930
	Dahabu	Amanzi	930
	Amina	Amanzi	670
	Pwani	Amanzi	520
	Abidjan	Amanzi	400
	Bello	Amanzi	400
	Rural	Hawassa	3900
	Sarawa	Hawassa	480

Result 11 x

Read Only

Navigator

SCHEMAS

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    - visits
  - Columns
    - record\_id
    - location\_id
    - source\_id
    - time\_of\_reco
    - visit\_count
    - time\_in\_queue
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Administration Schemas

Information

PROJECT 1 2 2. 23 2.4 SQL File 17\* x SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\*

Limit to 1000 rows

```
15
16
17 -- NUBER OF RECORDS PER EACH LOCATION TYPE
18 • SELECT location_type ,COUNT(*) AS NUMBER_OF_RECORDS
19 FROM location
20 GROUP BY location_type;
21
22 • SELECT province_name ,COUNT(*) AS RECORD_PER_TOWN
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	location_type	NUMBER_OF_RECORDS
▶	Urban	15910
	Rural	23740

Result 12 x

Read Only

Column: time\_in\_queue

Definition:  
time\_in\_queue int

Navigator

SCHEMAS

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    - location
    - visits
      - Columns
        - record\_id
        - location\_id
        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
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Administration Schemas

Information

PROJECT 1 2 2. 23 2.4 SQL File 17\* x SQL File 18\* SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\*

Limit to 1000 rows

```
19 FROM location
20 GROUP BY location_type;
21
22 • SELECT province_name , COUNT(*) AS RECORD_PER_TOWN
23 FROM location
24 group by province_name
25 ORDER BY RECORD_PER_TOWN DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

province_name	RECORD_PER_TOWN
Kilimani	9510
Akatsi	8940
Sokoto	8220
Amanzi	6950
Hawassa	6030

Result 14 x Read Only

Column: time\_in\_queue

Definition:  
time in queue int



Navigator: SCHEMAS

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    - location\_id
    - source\_id
    - time\_of\_reco
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    - time\_in\_queue
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Administration Schemas

Information

2. 23 2.4 2.5 SQL File 18\* x SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\*

Limit to 1000 rows

```
1 -- WATER SOURCES
2 SELECT *
3 FROM water_source;
4
5 SELECT SUM(number_of_people_served) AS NUMBER_OF_PEOPLE_SERVED
6 FROM water_source;
7
8 SELECT count(*) AS NUMBER_OF_WATER_SOURCES type of water source
```

Result Grid

source_id	type_of_water_source	number_of_people_served
AkHa00000224	tap_in_home	956
AkHa00001224	tap_in_home_broken	930
AkHa00002224	tap_in_home_broken	486
AkHa00003224	well	364
AkHa00004224	tap_in_home_broken	942
AkHa00005224	tap_in_home	736
AkHa00006224	tap_in_home	882
AkHa00007224	tap_in_home	554
AkHa00008224	well	398
AkHa00009224	well	346
AkHa00010224	well	236
AkHa00011224	well	168
AkHa00012224	well	107

water\_source 10 x

Apply Revert

Column: time\_in\_queue

Definition:  
time\_in\_queue int

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SCHEMAS

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    - location
    - visits
      - Columns
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        - location\_id
        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
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Administration Schemas

Information

2. 23 2.4 2.5 SQL File 18\* x SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\*

Limit to 1000 rows

```
1 -- WATER SOURCES
2 • SELECT *
3 FROM water_source;
4
5 • SELECT SUM(number_of_people_served) AS NUMBER_OF_PEOPLE_SERVED
6 FROM water_source;
7
8 • SELECT count(*) AS NUMBER_OF_WATER_SOURCES type of water source
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

NUMBER_OF_PEOPLE_SERVED
27628140

Result 11 x Read Only

Column: time\_in\_queue

Definition:  
time in queue int

Navigator

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      - Columns
        - record\_id
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        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
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Administration Schemas

Information

2. 23 2.4 2.5 SQL File 18\* x SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\*

Limit to 1000 rows

```
5 • SELECT SUM(number_of_people_served) AS NUMBER_OF_PEOPLE_SERVED
6 FROM water_source;
7
8 • SELECT count(*) AS NUMBER_OF_WATER_SOURCES,type_of_water_source
9 FROM water_source
10 group by type_of_water_source;
11
12 • SELECT type_of_water_source
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

NUMBER_OF_WATER_SOURCES	type_of_water_source
7265	tap_in_home
5856	tap_in_home_broken
17383	well
5767	shared_tap
3379	river

Result 12 x Read Only

Column: time\_in\_queue

Definition:  
time\_in\_queue int

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      - Columns
        - record\_id
        - location\_id
        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
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Administration Schemas

Information

2. 23 2.4 2.5 SQL File 18\* x SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\*

Limit to 1000 rows

```
9 FROM water_source
10 group by type_of_water_source;
11
12 • SELECT type_of_water_source,
13 ROUND(avg(number_of_people_served),0) AS AVG_NUMBER_OF_PEOPLE_SHARED
14 FROM water_source
15 group by type_of_water_source;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

type_of_water_source	AVG_NUMBER_OF_PEOPLE_SHARED
tap_in_home	644
tap_in_home_broken	649
well	279
shared_tap	2071
river	699

Result 13

Read Only

Column: time\_in\_queue

Definition:



Navigator

SCHEMAS

Filter objects

- company\_data
- md\_water\_services
  - Tables
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    - employee
    - global\_water\_access
    - location
    - visits
  - Columns
    - record\_id
    - location\_id
    - source\_id
    - time\_of\_reco
    - visit\_count
    - time\_in\_queue
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  - Indexes
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Administration Schemas

Information

2. 23 2.4 2.5 SQL File 18\* x SQL File 19\* Query 1 SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\*

Limit to 1000 rows

```
14 FROM water_source
15 group by type_of_water_source;
16
17 • SELECT sum(number_of_people_served) NUMBER_OF_PEOPLE_GET_WATER,type_of_water_source
18 FROM water_source
19 group by type_of_water_source
20 order by NUMBER_OF_PEOPLE_GET_WATER DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	NUMBER_OF_PEOPLE_GET_WATER	type_of_water_source
▶	11945272	shared_tap
	4841724	well
	4678880	tap_in_home
	3799720	tap_in_home_broken
	2362544	river

Result 14 x Read Only

Column: time\_in\_queue

Definition:  
time\_in\_queue int

Navigator: 2. 23 2.4 2.5 2.6 SQL File 19\* x Query 1 SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\*

**SCHEMAS**

Filter objects

- company\_data
- md\_water\_services**
  - Tables
    - data\_dictionary
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    - global\_water\_access
    - location
    - visits
      - Columns
        - record\_id
        - location\_id
        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
        - assigned\_em
    - Indexes
    - Foreign Keys
    - Triggers

Administration Schemas

Information

2. 23 2.4 2.5 2.6 SQL File 19\* x Query 1 SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\*

Limit to 1000 rows

```
1 -- GIVING A RANK OF WATER SOURCES FOR REPAIRING THEM
2 WITH TOTAL_PROPLE_PER_SOURCE AS(
3 SELECT type_of_water_source,
4 sum(number_of_people_served) AS POPULATION_SERVED
5 FROM water_source
6 WHERE type_of_water_source != 'tap_in_home'
7 group by type_of_water_source)
8
9 SELECT type_of_water_source,
10 POPULATION_SERVED,
11 round((POPULATION_SERVED/27000000) *100,0) AS PERCENTAGE_IN_TOTAL,
12 rank() OVER(order by POPULATION_SERVED desc) AS SOURCE_RANK
13 FROM TOTAL_PROPLE_PER_SOURCE
14 order by SOURCE_RANK ;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	type_of_water_source	POPULATION_SERVED	PERCENTAGE_IN_TOTAL	SOURCE_RANK
▶	shared_tap	11945272	44	1
	well	4841724	18	2
	tap_in_home_broken	3799720	14	3
	river	2362544	9	4

Result 3 x Read Only

Column: time\_in\_queue

Definition:

time\_in\_queue int

Navigator

SCHEMAS

Filter objects

- company\_data
- md\_water\_services
  - Tables
    - data\_dictionary
    - employee
    - global\_water\_access
    - location
    - visits
  - Columns
    - record\_id
    - location\_id
    - source\_id
    - time\_of\_reco
    - visit\_count
    - time\_in\_queue
    - assigned\_em
  - Indexes
  - Foreign Keys
  - Triggers

Administration Schemas

Information

2. 23 2.4 2.5 2.6 2.7 Query 1 x SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\*

Limit to 1000 rows

```

1 WITH RANK_SOURCE AS (
2   SELECT source_id,type_of_water_source,number_of_people_served,
3   ROW_NUMBER() OVER(PARTITION BY type_of_water_source ORDER BY number_of_people_served DESC) AS PRIORITY_RANK
4   FROM water_source
5   WHERE type_of_water_source IN ('shared_tap','river','well')
6 )
7 select type_of_water_source,source_id,number_of_people_served, PRIORITY_RANK
8 from RANK_SOURCE
9 order by type_of_water_source,PRIORITY_RANK;

```

Result Grid

	type_of_water_source	source_id	number_of_people_served	PRIORITY_RANK
▶	river	SoRu35837224	998	1
	river	SoRu36791224	998	2
	river	SoRu36238224	998	3
	river	SoRu37756224	998	4
	river	SoRu36880224	998	5
	river	SoRu38142224	998	6
	river	SoRu34798224	998	7
	river	SoMa33775224	998	8

Result 5 x

Output

Read Only

Column: time\_in\_queue

Definition:  
time\_in\_queue int

Navigator

**SCHEMAS**

Filter objects

- company\_data
- md\_water\_services**
  - Tables
    - data\_dictionary
    - employee
    - global\_water\_access
    - location
    - visits
      - Columns
        - record\_id
        - location\_id
        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
        - assigned\_em
      - Indexes
      - Foreign Keys
      - Triggers

Administration Schemas

Information

SQL File 20 SQL File 21 SQL File 22 SQL File 23

Limit to 1000 rows

```
1 -- analyzing queues
2 • select
3 round (avg(nullif(time_in_queue,0)),0) as avg_time_in_queue
4 from visits;
5
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	avg_time_in_queue
▶	123

Result Grid

Form Editor

Field Types

Query Stats

Column: time\_in\_queue

Definition:



Navigator

SCHEMAS

Filter objects

- company\_data
- md\_water\_services
  - Tables
    - data\_dictionary
    - employee
    - global\_water\_access
    - location
    - visits
      - Columns
        - record\_id
        - location\_id
        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
        - assigned\_em
      - Indexes
      - Foreign Keys
      - Triggers

Administration Schemas

Information

2. 23 2.4 2.5 2.6 2.7 2.8 SQL File 20\* x SQL File 21\* SQL File 22\* SQL File 23\*

Limit to 1000 rows

```
6
7 • select min(time_of_record) as start_date,
8       max(time_of_record) as end_date,
9       DATEDIFF(max(time_of_record),min(time_of_record)) AS DURATION_TIME
10      FROM visits;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	start_date	end_date	DURATION_TIME
▶	2021-01-01 09:10:00	2023-07-14 13:53:00	924

Column: time\_in\_queue

Definition: time\_in\_queue int

Result 4 x Read Only

Navigator

SCHEMAS

Filter objects

- company\_data
- md\_water\_services
  - Tables
    - data\_dictionary
    - employee
    - global\_water\_access
    - location
    - visits
      - Columns
        - record\_id
        - location\_id
        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
        - assigned\_em
    - Indexes
    - Foreign Keys
    - Triggers

Administration Schemas

Information

2. 23 2.4 2.5 2.6 2.7 2.8 SQL File 20\* SQL File 21\* x SQL File 22\* SQL File 23\*

Limit to 1000 rows

```
1 -- AVG TIME IN QUEUE IN DAYS
2 • select dayname(time_of_record) AS DAY_OF_WEEK,
3 Round (avg(nullif(time_in_queue,0)),0) as avg_time_in_queue
4 from visits
5 group by dayname(time_of_record)
6 order by field(DAY_OF_WEEK,'SATURDAY','SUNDAY','MONDAY','TUESDAY','WEDNESDAY','THURSDAY','FRIDAY')
7 )
```

Result Grid

Filter Rows:

Export: Wrap Cell Content: [IA](#)

	DAY_OF_WEEK	avg_time_in_queue
▶	Saturday	246
	Sunday	82
	Monday	137
	Tuesday	108
	Wednesday	97
	Thursday	105
	Friday	120

Result 2 x

Read Only

Column: time\_in\_queue

Definition:  
time in queue int

Navigator:.....

**SCHEMAS**

Filter objects

- company\_data
- md\_water\_services**
  - Tables
    - data\_dictionary
    - employee
    - global\_water\_access
    - location
    - visits
      - Columns
        - record\_id
        - location\_id
        - source\_id
        - time\_of\_reco
        - visit\_count
        - time\_in\_queue
        - assigned\_em
    - Indexes
    - Foreign Keys
    - Triggers

Administration Schemas

Information .....

2. 23 2.4 2.5 2.6 2.7 2.8 SQL File 20\* SQL File 21\* SQL File 22\* x SQL File 23\*

Limit to 1000 rows

```
1 -- AVG TIME IN QUEUE IN HOURS
2 • SELECT time_format(time(time_of_record),'%H:00:00') AS HOURS_OF_DAY,
3 Round (avg(nullif(time_in_queue,0)),0) as avg_time_in_queue
4 FROM visits
5 GROUP BY HOURS_OF_DAY
6 ORDER BY HOURS_OF_DAY;
7
8
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	HOURS_OF_DAY	avg_time_in_queue
▶	06:00:00	149
	07:00:00	149
	08:00:00	149
	09:00:00	118
	10:00:00	114
	11:00:00	111
	12:00:00	112
	13:00:00	115
	14:00:00	114

Result 4 x

Read Only

Column: time\_in\_queue

Definition:  
time\_in\_queue int

Navigator

SCHEMAS

Filter objects

- company\_data
- md\_water\_services
  - Tables
    - data\_dictionary
    - employee
    - global\_water\_access
    - location
    - visits
  - Columns
    - record\_id
    - location\_id
    - source\_id
    - time\_of\_reco
    - visit\_count
    - time\_in\_queue
    - assigned\_em
  - Indexes
  - Foreign Keys
  - Triggers

Administration Schemas

Information

Column: time\_in\_queue

Definition:  
time\_in\_queue int

2. 23 2.4 2.5 2.6 2.7 2.8 SQL File 20\* SQL File 21\* SQL File 22\* SQL File 23\* x

Limit to 1000 rows

```

12 SELECT time_format(time(time_of_record), '%H:00:00') AS HOURS_OF_DAY,
13
14 -- Sunday
15 ROUND(AVG(
16 CASE
17 WHEN DAYNAME(time_of_record) = 'Sunday' THEN time_in_queue
18 ELSE NULL
19 END
20 ),0) AS Sunday,
21 -- Monday
22 ROUND(AVG(
23 CASE
24 WHEN DAYNAME(time_of_record) = 'Monday' THEN time_in_queue
25 ELSE NULL

```

Result Grid

HOURS_OF_DAY	Sunday	Monday	Tuesday	Wednesday	THURSDAY	FRIDAY
06:00:00	79	190	134	112	134	153
07:00:00	82	186	128	111	139	156
08:00:00	86	183	130	119	129	153
09:00:00	84	127	105	94	99	107
10:00:00	83	119	99	89	95	112
11:00:00	78	115	102	86	99	104
12:00:00	78	115	97	88	96	109

Result 2 x

Read Only