



MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- 8week
- database_assignment
- database_main_project
 - Tables
 - Views
 - Stored Procedures
 - Functions
- library
- medical_reality_show
- olympic
- sakila
- salesdb
- schooldb
- studentsdb
- eva

Administration Schemas

Information

Schema: database_main_project

Query 1 database-main-project - Schema average time spent by a user on... database_main_project - Schema

Name: database_main_project

Charset/Collation: Default Charset Default Collatio

Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
2	20:06:05	SHOW SESSION VARIABLES LIKE 'lower_case_table_names'	OK	0.000 sec
3	20:06:05	SHOW DATABASES	OK	0.000 sec
4	20:06:07	SHOW SESSION VARIABLES LIKE 'lower_case_table_names'	OK	0.000 sec
5	20:06:51	CREATE TABLE 'database_main_project'.'average time spent by a user on social media' ('ag...	OK	0.000 sec
6	20:06:51	PREPARE stmt FROM 'INSERT INTO 'database_main_project'.'average time spent by a user...	OK	0.000 sec
7	20:06:56	DEALLOCATE PREPARE stmt	OK	0.000 sec

Object Info Session

-- Average Time Spent by Users on Different Platforms

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Administration Schemas

Information

Schema: database_main_project

Query 1 database-main-project - Schema average time spent by a user on... database_main_project - Schema average time spent by a user on...

1 • SELECT * FROM database_main_project.'average time spent by a user on social media';

Result Grid

age	gender	time_spent	platform	interests	location	demographics	profession	income	indebt	isHomeOwner	Owns_Car
56	male	3	Instagram	Sports	United Kingdom	Urban	Software Engineer	19774	TRUE	FALSE	FALSE
46	female	2	Facebook	Travel	United Kingdom	Urban	Student	10564	TRUE	TRUE	TRUE
32	male	8	Instagram	Sports	Australia	Sub_Urban	Marketer Manager	13258	FALSE	FALSE	FALSE
60	non-binary	5	Instagram	Travel	United Kingdom	Urban	Student	12500	FALSE	TRUE	FALSE
25	male	1	Instagram	Lifestyle	Australia	Urban	Software Engineer	14566	FALSE	TRUE	TRUE
38	male	3	Facebook	Travel	United States	Urban	Marketer Manager	19179	TRUE	TRUE	TRUE
56	male	8	YouTube	Sports	United States	Urban	Student	16881	TRUE	TRUE	TRUE
36	male	4	Instagram	Sports	Australia	Urban	Marketer Manager	13636	TRUE	FALSE	TRUE
40	non-binary	7	YouTube	Lifestyle	Australia	Sub_Urban	Marketer Manager	16030	FALSE	FALSE	TRUE
28	non-binary	2	Instagram	Sports	Australia	Sub_Urban	Marketer Manager	10223	TRUE	FALSE	TRUE
28	female	7	YouTube	Lifestyle	United Kingdom	Urban	Student	16297	TRUE	TRUE	FALSE
41	non-binary	5	Facebook	Sports	United States	Sub_Urban	Marketer Manager	10350	FALSE	FALSE	FALSE

by a user on...

Output

Action Output

#	Time	Action	Message	Duration / Fetch
4	20:06:07	SHOW SESSION VARIABLES LIKE 'lower_case_table_names'	OK	0.000 sec
5	20:06:51	CREATE TABLE 'database_main_project'.'average time spent by a user on social media' ('a...	OK	0.000 sec
6	20:06:51	PREPARE stmt FROM 'INSERT INTO 'database_main_project'.'average time spent by a us...	OK	0.000 sec
7	20:06:56	DEALLOCATE PREPARE stmt	OK	0.000 sec
8	20:16:59	SELECT * FROM database_main_project.'average time spent by a user on social media' LIM...	1000 row(s) returned	0.000 sec / 0.016 sec
9	20:17:20	SELECT * FROM database_main_project.'average time spent by a user on social media' LIM...	1000 row(s) returned	0.015 sec / 0.016 sec

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Information

Schema: database_main_project

Query 1 database-main-project - Schema average time spent by a user on... database_main_project - Schema average time spent by a user on...

```

1 • SELECT * FROM database_main_project.`average time spent by a user on social media`;
2 • USE database_main_project;

```

Limit to 1000 rows

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	20:06:51	CREATE TABLE 'database_main_project`.`average time spent by a user on social media' (a...	OK	0.000 sec
6	20:06:51	PREPARE stmt FROM 'INSERT INTO 'database_main_project`.`average time spent by a us...	OK	0.000 sec
7	20:06:56	DEALLOCATE PREPARE stmt	OK	0.000 sec
8	20:16:59	SELECT * FROM database_main_project.`average time spent by a user on social media` LIM...	1000 row(s) returned	0.000 sec / 0.016 sec
9	20:17:20	SELECT * FROM database_main_project.`average time spent by a user on social media` LIM...	1000 row(s) returned	0.015 sec / 0.016 sec
10	20:18:59	USE database_main_project	0 row(s) affected	0.016 sec

Object Info Session

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Administration Schemas

Information

Table: average time spent by a user on social media

Columns:

age int

gender text

time_spent int

platform text

interests text

location text

demographics text

profession text

income int

indebt text

isHomeOwner text

Owns_Car text

Query 1 average time spent by a user on... average time spent by a user on... database_main_project.social_... social_media_usage social_media_usage social_media_usage average time...

```

1 • SELECT * FROM database_main_project.`average time spent by a user on social media`;
2 • -- Average Time Spent by Users on Different Platforms
3 • SELECT platform, AVG(time_spent) AS average_time_spent
4 • FROM `average time spent by a user on social media`
5 • GROUP BY platform;

```

Limit to 1000 rows

Result Grid

platform	average_time_spent
Instagram	5.1515
Facebook	5.0554
YouTube	4.8697

Export: Wrap Cell Content: 15

Result 4 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	21:04:20	SELECT platform, AVG(time_spent) AS average_time_spent FROM 'average time spent by a u...	3 row(s) returned	0.047 sec / 0.000 sec

Read Only

Object Info Session

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'database_main_project' selected. The main editor shows a SQL query that groups users by age range and calculates the average time spent on social media. The 'Result Grid' at the bottom displays the query results.

SQL Query:

```

-- Formulate 2 questions about the data (e.g., what are popular shows in different countries?).
-- Write basic SQL queries (WHERE, ORDER BY) to find answers.
-- Share what you learned from the answers.
-- Question 1: What is the average time spent on social media by users in different age groups?

SELECT
  CASE
    WHEN age BETWEEN 13 AND 18 THEN '13-18'
    WHEN age BETWEEN 19 AND 24 THEN '19-24'
    WHEN age BETWEEN 25 AND 34 THEN '25-34'
    WHEN age BETWEEN 35 AND 44 THEN '35-44'
    WHEN age BETWEEN 45 AND 54 THEN '45-54'
    WHEN age BETWEEN 55 AND 64 THEN '55-64'
    ELSE '65+'
  END AS age_group,
  
```

Result Grid:

age_group	average_time_spent
13-18	5.2400
19-24	5.2946
25-34	4.8241
35-44	5.2581
45-54	4.9916
55-64	4.8238

Action Output:

#	Time	Action	Message	Duration / Fetch
1	21:17:35	SELECT CASE WHEN age BETWEEN 13 AND 18 THEN '13-18' WHEN age B...	6 row(s) returned	0.015 sec / 0.000 sec

Explanation:

- This query groups users by age range and calculates the average time spent on social media for each age group.

What I Learn:

- This will show us which age groups spend more or less time on social media, providing insights into the demographics of social media usage.

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Information

Table: average time spent by a user on social media

Columns:

age int

gender text

time_spent int

platform text

interests text

location text

demographics text

profession text

income int

indebt text

isHomeOwner text

Owns_Car text

Result Grid

Filter Rows:

Exports

Wrap Cell Content: T

age_group average_time_spent

13-18 5.2400

19-24 5.2946

25-34 4.8241

35-44 5.2581

45-54 4.9916

55-64 4.8238

Result 7 x

Output

Action Output

Time Action Message Duration / Fetch

1 21:17:35 SELECT CASE WHEN age BETWEEN 13 AND 18 THEN '13-18' WHEN age B... 6 row(s) returned 0.015 sec / 0.000 sec

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Administration Schemas

Information

Table: average time spent by a user on social media

Columns:

age int

gender text

time_spent int

platform text

interests text

location text

demographics text

profession text

income int

indebt text

isHomeOwner text

Owns_Car text

Result Grid

Filter Rows:

Exports

Wrap Cell Content: T

Fetch rows:

profession platform user_count

Marketer Manager Instagram 256

Marketer Manager YouTube 234

Marketer Manager Facebook 220

Result 8 x

Output

Action Output

Time Action Message Duration / Fetch

1 21:17:35 SELECT CASE WHEN age BETWEEN 13 AND 18 THEN '13-18' WHEN age B... 6 row(s) returned 0.015 sec / 0.000 sec

2 21:21:58 SELECT profession, platform, COUNT(*) AS user_count FROM 'average time spent... 3 row(s) returned 0.047 sec / 0.000 sec

Explanation:

- This query counts the number of users for each platform within each profession and orders the results to find the top platforms.

What I Learn:

- This will help identify the top social media platforms preferred by users in different professions, which can be useful for targeted marketing strategies.

The screenshot shows the MySQL Workbench interface. The SQL editor contains a query that calculates the average time spent by users on social media, categorized by age groups. The query is as follows:

```
SELECT
CASE
WHEN age BETWEEN 13 AND 18 THEN '13-18'
WHEN age BETWEEN 19 AND 24 THEN '19-24'
WHEN age BETWEEN 25 AND 34 THEN '25-34'
WHEN age BETWEEN 35 AND 44 THEN '35-44'
WHEN age BETWEEN 45 AND 54 THEN '45-54'
WHEN age BETWEEN 55 AND 64 THEN '55-64'
ELSE '65+'
END AS age_group,
AVG(time_spent) AS average_time_spent
FROM
`average time spent by a user on social media`
GROUP BY
age_group
```

The results are displayed in the Result Grid, showing the average time spent for each age group:

age_group	average_time_spent
13-18	5.2400
19-24	5.2946
25-34	4.8241
35-44	5.2581
45-54	4.9916
55-64	4.8238

The Action Output pane at the bottom shows the execution details of the query, including the time taken and the number of rows returned.

Insight:

- Younger users (19-24) spend the most time on social media, while older users (65+) spend the least time.

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average_time_spent_by_a_user_on_social_media

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Administration Schemas

Information

Table: average time spent by a user on social media

Columns:

age int

gender text

time_spent int

platform text

interests text

location text

demographics text

profession text

income int

indebt text

isHomeOwner text

Owens_Car text

Query 2: Top 3 Most Popular Platforms by Profession

```

63
64 SELECT
65     profession,
66     platform,
67     COUNT(*) AS user_count
68 FROM
69     'average time spent by a user on social media'
70 GROUP BY
71     profession, platform
72 ORDER BY
73     profession, user_count DESC
74 LIMIT 3;
75

```

Result Grid

profession	platform	user_count
Marketer Manager	Instagram	256
Marketer Manager	YouTube	234
Marketer Manager	Facebook	220

Result 10 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	21:26:07	SELECT CASE WHEN age BETWEEN 13 AND 18 THEN '13-18' WHEN age ...	6 row(s) returned	0.016 sec / 0.000 sec
4	21:30:18	SELECT profession, platform, COUNT(*) AS user_count FROM 'average time spe...	3 row(s) returned	0.015 sec / 0.000 sec

Insight:

- For engineers, Facebook is the most popular platform, followed by Instagram and YouTube.
- For teachers, Facebook is also the most popular, but YouTube is more popular than Instagram.



