

# Taylor Swift: The Eras Concert Tour

## SQL Analysis



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# Objective

The objective of this project based on Taylor Swift's ERAs Tour SQL analysis is to gain insights and useful information from the concert data. The provided SQL queries aim to extract meaningful details about the concerts, venues, and locations related to Taylor Swift's performances. The analysis covers various aspects of the concert data, including the number of concerts in different countries and cities, details of the earliest concert, the venue that hosted the most concerts, concerts in specific venues containing the word 'STADIUM, ' and a breakdown of the total number of concerts by month.



# Table Used

## Concerts

ConcertID	ConcertDate	VenueName
1	07-02-2024	TOKYO DOME
2	08-02-2024	TOKYO DOME
3	09-02-2024	TOKYO DOME
4	10-02-2024	TOKYO DOME
5	16-02-2024	MELBOURNE CRICKET GROUNDS (MCG)
6	17-02-2024	MELBOURNE CRICKET GROUNDS (MCG)
7	18-02-2024	MELBOURNE CRICKET GROUNDS (MCG)
8	23-02-2024	ACCOR STADIUM
9	24-02-2024	ACCOR STADIUM
10	25-02-2024	ACCOR STADIUM
11	26-02-2024	ACCOR STADIUM
12	02-03-2024	NATIONAL STADIUM, SINGAPORE
13	03-03-2024	NATIONAL STADIUM, SINGAPORE
14	04-03-2024	NATIONAL STADIUM, SINGAPORE
15	07-03-2024	NATIONAL STADIUM, SINGAPORE
16	08-03-2024	NATIONAL STADIUM, SINGAPORE
17	09-03-2024	NATIONAL STADIUM, SINGAPORE
18	09-05-2024	PARIS LA D��FENSE ARENA
19	10-05-2024	PARIS LA D��FENSE ARENA
20	11-05-2024	PARIS LA D��FENSE ARENA
21	12-05-2024	PARIS LA D��FENSE ARENA
22	17-05-2024	FRIENDS ARENA
23	18-05-2024	FRIENDS ARENA
24	19-05-2024	FRIENDS ARENA
25	24-05-2024	EST��DIO DA LUZ
26	25-05-2024	EST��DIO DA LUZ
27	30-05-2024	ESTADIO SANTIAGO BERNAB��U
28	02-06-2024	GROUPAMA STADIUM
29	03-06-2024	GROUPAMA STADIUM
30	07-06-2024	SCOTTISH GAS MURRAYFIELD STADIUM
31	08-06-2024	SCOTTISH GAS MURRAYFIELD STADIUM
32	09-06-2024	SCOTTISH GAS MURRAYFIELD STADIUM
33	13-06-2024	ANFIELD STADIUM
34	14-06-2024	ANFIELD STADIUM
35	15-06-2024	ANFIELD STADIUM
36	18-06-2024	PRINCIPALITY STADIUM
37	21-06-2024	WEMBLEY STADIUM
38	22-06-2024	WEMBLEY STADIUM
39	23-06-2024	WEMBLEY STADIUM

ConcertID	ConcertDate	VenueName	LocationCity	LocationCountry
40	28-06-2024	AVIVA STADIUM	Dublin	Ireland
41	29-06-2024	AVIVA STADIUM	Dublin	Ireland
42	30-06-2024	AVIVA STADIUM	Dublin	Ireland
43	04-07-2024	JOHAN CRUIJFF ARENA	Amsterdam	Netherlands
44	05-07-2024	JOHAN CRUIJFF ARENA	Amsterdam	Netherlands
45	06-07-2024	JOHAN CRUIJFF ARENA	Amsterdam	Netherlands
46	09-07-2024	STADION LETZIGRUND Z��RICH	Z��rich	Switzerland
47	10-07-2024	STADION LETZIGRUND Z��RICH	Z��rich	Switzerland
48	13-07-2024	SAN SIRO STADIUM	Milan	Italy
49	14-07-2024	SAN SIRO STADIUM	Milan	Italy
50	17-07-2024	VELTINS-ARENA	Gelsenkirchen	Germany
51	18-07-2024	VELTINS-ARENA	Gelsenkirchen	Germany
52	19-07-2024	VELTINS-ARENA	Gelsenkirchen	Germany
53	23-07-2024	VOLKSPARKSTADION	Hamburg	Germany
54	24-07-2024	VOLKSPARKSTADION	Hamburg	Germany
55	27-07-2024	OLYMPIASTADION	Munich	Germany
56	28-07-2024	OLYMPIASTADION	Munich	Germany
57	01-08-2024	PGE NARODOWY	Warsaw	Poland
58	02-08-2024	PGE NARODOWY	Warsaw	Poland
59	03-08-2024	PGE NARODOWY	Warsaw	Poland
60	08-08-2024	ERNST-HAPPEL-STADION	Vienna	Austria
61	09-08-2024	ERNST-HAPPEL-STADION	Vienna	Austria
62	10-08-2024	ERNST-HAPPEL-STADION	Vienna	Austria
63	15-08-2024	WEMBLEY STADIUM	London	United Kingdom
64	16-08-2024	WEMBLEY STADIUM	London	United Kingdom
65	17-08-2024	WEMBLEY STADIUM	London	United Kingdom
66	19-08-2024	WEMBLEY STADIUM	London	United Kingdom
67	20-08-2024	WEMBLEY STADIUM	London	United Kingdom
68	14-11-2024	ROGERS CENTRE	Toronto	ON
69	15-11-2024	ROGERS CENTRE	Toronto	ON
70	16-11-2024	ROGERS CENTRE	Toronto	ON
71	21-11-2024	ROGERS CENTRE	Toronto	ON
72	22-11-2024	ROGERS CENTRE	Toronto	ON
73	23-11-2024	ROGERS CENTRE	Toronto	ON
74	06-12-2024	BC PLACE	Vancouver	British Columbia
75	07-12-2024	BC PLACE	Vancouver	British Columbia
76	08-12-2024	BC PLACE	Vancouver	British Columbia

# Queries

1.Retrieve the total number of concerts where Taylor Swift performed in United Kingdom.

```
SELECT LocationCountry
       ,COUNT(LocationCountry) AS NO_OF_CONCERTS
FROM Concerts
WHERE LocationCountry = "United Kingdom";
```

Query #1

Execution time: 1ms

LocationCountry	NO_OF_CONCERTS
United Kingdom	15



2. Retrieve the details (ConcertID, ConcertDate, VenueName) of the concert with the earliest date.

```
SELECT ConcertID, VenueName, MIN(ConcertDate) AS ConcertDate
FROM Concerts
GROUP BY ConcertID
LIMIT 1;
```

Query #2 **Execution time: 0ms**

ConcertID	VenueName	ConcertDate
1	TOKYO DOME	2024-02-07


3. Find the venue that hosted the most concerts during the entire tour.

```
SELECT VenueName, COUNT(VenueName) AS TOTAL
FROM Concerts
GROUP BY VenueName
ORDER BY TOTAL DESC
LIMIT 1;
```

Query #3 Execution time: 1ms

VenueName	TOTAL
WEMBLEY STADIUM	8

4. Calculate the total number of concerts in each city



```
SELECT LocationCity,COUNT(LocationCity) AS NO_OF_CONCERT
FROM Concerts
GROUP BY LocationCity
ORDER BY NO_OF_CONCERT ASC;
```

Query #4

Execution time: 0ms

LocationCity	NO_OF_CONCERT
Madrid	1
Cardiff	1
Munich	2
Hamburg	2
Lisbon	2
Lyon	2
Milan	2
Zürich	2
Melbourne	3
Vancouver	3
Vienna	3
Warsaw	3



5. List the concerts in which the venue name contains the word 'STADIUM'

A terminal window with a dark background and a purple border. It features three colored window control buttons (red, yellow, green) in the top-left corner. The SQL query is displayed in a light blue monospaced font.

```
SELECT * FROM Concerts  
WHERE VenueName LIKE "%STADIUM%";
```

Query #5 Execution time: 1ms

ConcertID	ConcertDate	VenueName	LocationCity	LocationCountry
8	2024-02-23	ACCOR STADIUM	Sydney	Australia
9	2024-02-24	ACCOR STADIUM	Sydney	Australia
10	2024-02-25	ACCOR STADIUM	Sydney	Australia
11	2024-02-26	ACCOR STADIUM	Sydney	Australia
12	2024-03-02	NATIONAL STADIUM, SINGAPORE	Singapore	SG
13	2024-03-03	NATIONAL STADIUM, SINGAPORE	Singapore	SG
14	2024-03-04	NATIONAL STADIUM, SINGAPORE	Singapore	SG
15	2024-03-07	NATIONAL STADIUM, SINGAPORE	Singapore	SG
16	2024-03-08	NATIONAL STADIUM, SINGAPORE	Singapore	SG
17	2024-03-09	NATIONAL STADIUM, SINGAPORE	Singapore	SG
28	2024-06-02	GROUPAMA STADIUM	Lyon	France
29	2024-06-03	GROUPAMA STADIUM	Lyon	France

6. Calculate the total number of concerts in each month




```
SELECT MONTHNAME(ConcertDate) AS MONTH  
       ,COUNT(*) AS TOTAL_CONCERTS  
FROM Concerts  
GROUP BY MONTH;
```



Query #6 Execution time: 14ms

MONTH	TOTAL_CONCERTS
February	11
March	6
May	10
June	15
July	14
August	11
November	6
December	3

7. List the concerts where Taylor Swift performed in Asian countries



```
SELECT
    ConcertDate, VenueName, LocationCity, LocationCountry
FROM
    Concerts
WHERE LocationCountry IN ("Japan" ,"SG")
ORDER BY ConcertDate ASC;
```

Query #7

Execution time: 1ms

ConcertDate	VenueName	LocationCity	LocationCountry
2024-02-07	TOKYO DOME	Tokyo	Japan
2024-02-08	TOKYO DOME	Tokyo	Japan
2024-02-09	TOKYO DOME	Tokyo	Japan
2024-02-10	TOKYO DOME	Tokyo	Japan
2024-03-02	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-03	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-04	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-07	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-08	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-09	NATIONAL STADIUM, SINGAPORE	Singapore	SG



8. List the concert dates and locations in European countries during the summer months (June, July, August)

```
SELECT
    ConcertDate, VenueName, LocationCity, LocationCountry
FROM
    Concerts
WHERE
    LocationCountry IN ('United Kingdom' , 'France',
        'Spain',
        'Italy',
        'Germany',
        'Portugal',
        'Switzerland',
        'Netherlands',
        'Austria') AND MONTH(ConcertDate)IN(6,7,8);
```

Query #8 **Execution time: 0ms**

ConcertDate	VenueName	LocationCity	LocationCountry
2024-06-02	GROUPAMA STADIUM	Lyon	France
2024-06-03	GROUPAMA STADIUM	Lyon	France
2024-06-07	SCOTTISH GAS MURRAYFIELD STADIUM	Edinburgh	United Kingdom
2024-06-08	SCOTTISH GAS MURRAYFIELD STADIUM	Edinburgh	United Kingdom
2024-06-09	SCOTTISH GAS MURRAYFIELD STADIUM	Edinburgh	United Kingdom
2024-06-13	ANFIELD STADIUM	Liverpool	United Kingdom
2024-06-14	ANFIELD STADIUM	Liverpool	United Kingdom
2024-06-15	ANFIELD STADIUM	Liverpool	United Kingdom
2024-06-18	PRINCIPALITY STADIUM	Cardiff	United Kingdom
2024-06-21	WEMBLEY STADIUM	London	United Kingdom
2024-06-22	WEMBLEY STADIUM	London	United Kingdom

A photograph of a stage at night, illuminated by numerous bright spotlights. The lights create a hazy, atmospheric effect with visible light beams. The text "Thank You!" is centered over the image in a pink, serif font. The stage floor and some equipment are visible in the lower portion of the frame.

Thank You!