

# THANKSGIVING FEAST ANALYTICS: A DATA-DRIVEN EXPLORATION



*Presented by: Nitish Kumar*





# PROJECT DESCRIPTION:

**In "Feast and Festivities," we embark on a data-driven exploration of Thanksgiving celebrations to uncover insights, trends, and patterns surrounding this cherished holiday.**

**This project delves into various aspects of Thanksgiving, from the traditional feast to social media activity, offering a comprehensive analysis that goes beyond the surface of the holiday season**

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# TABLES USED

01 - CELEBRATIONS

02 - DISHES

03 - SOCIAL MEDIA ACTIVITY



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# 1) RETRIEVE CELEBRATIONS WITH THE HIGHEST NUMBER OF GUESTS?



```
SELECT celebration_id, location, num_guests
FROM celebrations
WHERE num_guests = (SELECT MAX(num_guests) FROM celebrations);
```

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# OUTPUT

Query #1 Execution time: 1ms

celebration_id	location	num_guests
8	Atlanta	15

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## 2) WHAT IS THE TOTAL NUMBER OF CELEBRATION ?



```
SELECT COUNT(*) AS Total_number_of_celebration  
FROM celebrations;
```

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A background image showing several hands holding and clinking wine glasses, suggesting a celebratory event. The image is slightly blurred, focusing on the action of the toast.

Query #2

Execution time: 1ms

Total_number_of_celebration
50



### 3) WHAT IS THE TOP 3 MOST POPULAR DISHES ?

```
SELECT dish_name, COUNT(*) AS dish_count
FROM dishes
GROUP BY dish_name
ORDER BY dish_count DESC
LIMIT 3;
```

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# OUTPUT

Query #3 Execution time: 0ms

dish_name	dish_count
Pecan Pie	3
Dinner Rolls	2
Baked Mac and Cheese	1

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## 4) WHAT IS THE AVERAGE TRAVEL DISTANCE FOR THANKSGIVING CELEBRATIONS ?

```
SELECT AVG(travel_distance) AS Average_travel_distance  
FROM celebrations;
```

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# OUTPUT

Query #4 **Execution time: 0ms**

Average_travel_distance
-------------------------

113.033000
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## 5) WHAT IS THE TOTAL NUMBER OF SOCIAL MEDIA POSTS PER PLATFORM ?

```
SELECT social_media_platform, COUNT(*) AS post_count
FROM social_media_activity
GROUP BY social_media_platform ;
```

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Query #5 Execution time: 1ms

social_media_platform	post_count
Twitter	17
Instagram	17
Facebook	16

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## 6) LIST OF CELEBRATIONS ON THANKSGIVING DAY (NOVEMBER 23, 2023)?



```
SELECT * FROM celebrations  
WHERE celebration_date = '2023-11-23';
```

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# OUTPUT

Query #6 Execution time: 0ms

celebration_id	location	num_guests	travel_distance	celebration_date
1	New York	8	50.25	2023-11-23
2	Los Angeles	12	200.75	2023-11-23
3	Chicago	6	30.50	2023-11-23
4	Houston	10	150.00	2023-11-23
5	Miami	5	10.75	2023-11-23
6	Seattle	8	75.20	2023-11-23
7	Denver	10	120.80	2023-11-23
8	Atlanta	15	220.50	2023-11-23
9	San Francisco	6	90.75	2023-11-23
10	Dallas	12	180.25	2023-11-23
11	Boston	7	40.60	2023-11-23

DB Fiddle - Created with by State 222 in the United Kingdom Terms of Use Privacy / Cookie Policy SQL

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## 7) DETERMINE THE POPULARITY OF DISHES BY CATEGORIZING THEM INTO MAIN COURSES, SIDES, AND DESSERTS.

```
SELECT
    dish_id,
    dish_name,
    CASE
        WHEN dish_name LIKE '%Turkey%' OR dish_name LIKE '%Ham%' THEN 'Main Course'
        WHEN dish_name LIKE '%Potatoes%' OR dish_name LIKE '%Beans%' THEN 'Side Dish'
        WHEN dish_name LIKE '%Pie%' OR dish_name LIKE '%Cake%' THEN 'Dessert'
        ELSE 'Other'
    END AS dish_type
FROM dishes;
```

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# OUTPUT

Query #7 Execution time: 0ms

dish_id	dish_name	dish_type
1	Roast Turkey	Main Course
2	Mashed Potatoes	Side Dish
3	Gravy	Other
4	Pumpkin Pie	Dessert
5	Green Bean Casserole	Other
6	Cranberry Sauce	Other
7	Ham	Main Course
8	Sweet Potato Casserole	Other
9	Rolls	Other
10	Apple Pie	Dessert
11	Stuffing	Other

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## 8) FIND THE FULL ADDRESS BY CONCATENATING THE LOCATION AND TRAVEL DISTANCE FOR EACH CELEBRATION?

```
SELECT celebration_id  
      ,CONCAT( location , ' ', travel_distance, ' miles' ) AS Full_address  
FROM celebrations;
```

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# OUTPUT

Query #8 Execution time: 1ms

celebration_id	Full_address
1	New York 50.25 miles
2	Los Angeles 200.75 miles
3	Chicago 30.50 miles
4	Houston 150.00 miles
5	Miami 10.75 miles
6	Seattle 75.20 miles
7	Denver 120.80 miles
8	Atlanta 220.50 miles
9	San Francisco 90.75 miles
10	Dallas 180.25 miles
11	Boston 40.60 miles

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## 9) RETRIEVE THE CELEBRATION LOCATIONS IN UPPERCASE?



```
SELECT celebration_id,UPPER(location) as uppercase_location  
FROM celebrations;
```

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# OUTPUT

Query #9 Execution time: 0ms

celebration_id	uppercase_location
1	NEW YORK
2	LOS ANGELES
3	CHICAGO
4	HOUSTON
5	MIAMI
6	SEATTLE
7	DENVER
8	ATLANTA
9	SAN FRANCISCO
10	DALLAS
11	BOSTON

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## 10) RANK CELEBRATIONS BASED ON TRAVEL DISTANCE ?

```
SELECT celebration_id  
      ,location  
      ,travel_distance  
      ,DENSE_RANK() OVER(ORDER BY travel_distance) AS Distance_rank  
FROM celebrations;
```

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# OUTPUT

Query #10 Execution time: 0ms

celebration_id	location	travel_distance	Distance_rank
5	Miami	10.75	1
3	Chicago	30.50	2
27	Orlando	30.75	3
44	El Paso	30.75	3
11	Boston	40.60	4
19	St. Louis	45.75	5
36	Salt Lake City	45.75	5
28	Pittsburgh	50.20	6
45	Baltimore	50.20	6
1	New York	50.25	7
12	Philadelphia	55.90	8

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# THANKS

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