

1. Yearly Average Inflation

SELECT EXTRACT(YEAR FROM Date) AS Year, AVG(Inflation\_Rate) AS Average\_Inflation  
  
FROM inflation.inflation  
  
GROUP BY Year  
  
ORDER BY Year;

108 -- 1. Calculate Yearly Average Inflation  
109 SELECT EXTRACT(YEAR FROM Date) AS Year, AVG(Inflation\_Rate) AS Average\_Inflation  
110 FROM inflation.inflation  
111 GROUP BY Year  
112 ORDER BY Year;  
113  
114  
115  
116

ResultsChart

YEAR	AVERAGE_INFLATION
2019	1.75
2020	1
2021	2.491666667
2022	7.9
2023	6.833333333
2024	3.283333333

Query Details

Query duration439ms

Rows6

Query ID01ba4cac-0001-8a3c-0...

Show more

YEAR#

20192024

## 2. Max and Min Price for Each Month (Fuel Data)

This query finds the maximum and minimum prices for each month in the fuel table.

sql

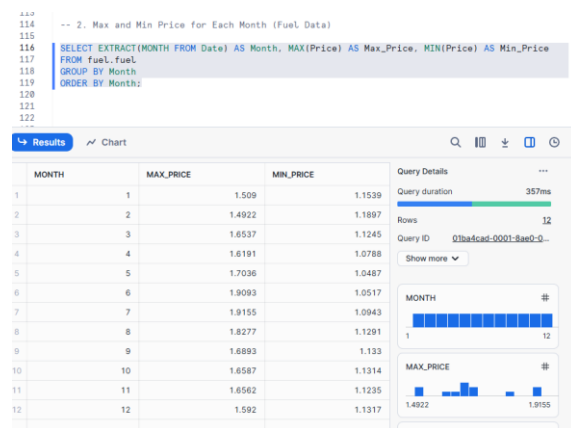
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```
SELECT EXTRACT(MONTH FROM Date) AS Month, MAX(Price) AS Max_Price, MIN(Price) AS Min_Price
```

```
FROM fuel.fuel
```

```
GROUP BY Month
```

```
ORDER BY Month;
```



### 3. Percentage Change in Oil Prices

```
SELECT DATE,  
  
    PRICE,  
  
    LAG(PRICE) OVER (ORDER BY DATE) AS Previous_Price,  
  
    ((PRICE - LAG(PRICE) OVER (ORDER BY DATE)) / LAG(PRICE) OVER (ORDER BY DATE)) * 100 AS  
Percentage_Change  
  
FROM oil.oil;
```

```
121  
122 -- 3. Calculate Percentage Change in Oil Prices  
123 SELECT DATE,  
124     PRICE,  
125     LAG(PRICE) OVER (ORDER BY DATE) AS Previous_Price,  
126     ((PRICE - LAG(PRICE) OVER (ORDER BY DATE)) / LAG(PRICE) OVER (ORDER BY DATE)) * 100  
    AS Percentage_Change  
127 FROM oil.oil  
128 LIMIT 10;  
129  
130  
131  
132  
133
```

Results

Chart

	DATE	PRICE	PREVIOUS_PRICE	PERCENTAGE_CHANGE
1	2019-01-01	59.41	null	null
2	2019-02-01	63.96	59.41	7.658643326
3	2019-03-01	66.14	63.96	3.408380238
4	2019-04-01	71.23	66.14	7.695796795
5	2019-05-01	71.32	71.23	0.1263512565
6	2019-06-01	64.22	71.32	-9.9551318
7	2019-07-01	63.92	64.22	-0.4671441918
8	2019-08-01	59.04	63.92	-7.634543179
9	2019-09-01	62.83	59.04	6.419376694
10	2019-10-01	59.71	62.83	-4.965780678

Query Details

...

Query duration 346ms

Rows 10

Query ID 01ba4cb1-0001-8ae4-0...

Show more

DATE

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PRICE

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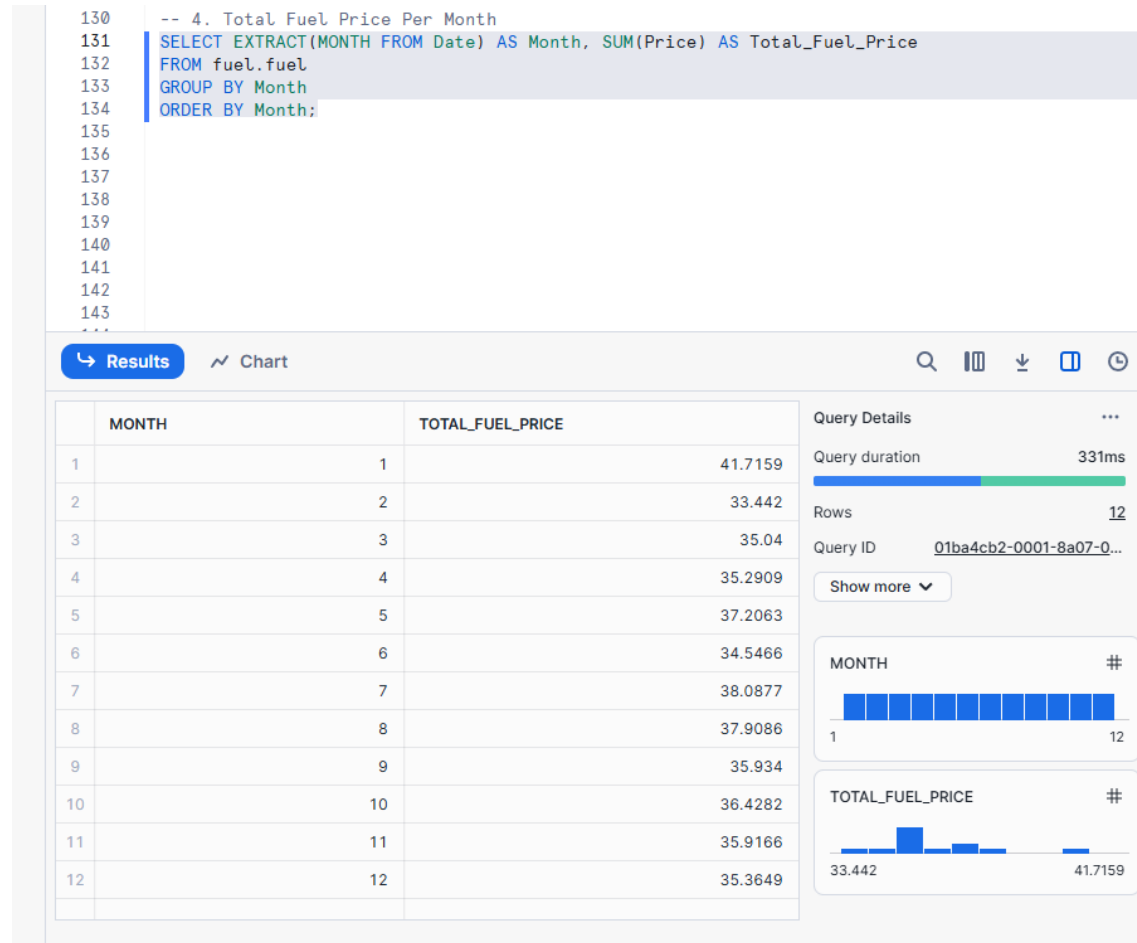
#### 4. Fuel Price Per Month

```
SELECT EXTRACT(MONTH FROM Date) AS Month, SUM(Price) AS Total_Fuel_Price
```

```
FROM fuel.fuel
```

```
GROUP BY Month
```

```
ORDER BY Month;
```



## 5. Standard Deviation of Inflation

```
SELECT Country, AVG(Inflation) AS Average_Inflation
```

```
SELECT
```

```
    EXTRACT(YEAR FROM DATE) AS Year,
```

```
    AVG(Inflation_Rate) AS Average_Inflation,
```

```
    STDDEV(Inflation_Rate) AS Inflation_Volatility
```

```
FROM inflation.inflation
```

```
GROUP BY Year
```

```
ORDER BY Year;
```

 Results  Chart			
	YEAR	AVERAGE_INFLATION	INFLATION_VOLATILITY
1	2019	1.75	0.1977142106
2	2020	1	0.4348458452
3	2021	2.491666667	1.381342123
4	2022	7.9	1.549193338
5	2023	6.833333333	1.789023773
6	2024	3.283333333	0.4821039747

## 6. Coefficient of Variation

SELECT

EXTRACT(YEAR FROM DATE) AS Year,

AVG(Inflation\_Rate) AS Average\_Inflation,

STDDEV(Inflation\_Rate) AS Inflation\_Volatility,

(STDDEV(Inflation\_Rate) / NULLIF(AVG(Inflation\_Rate), 0)) \* 100 AS Coefficient\_of\_Variation

FROM inflation.inflation

GROUP BY Year

ORDER BY Year;

```
146 -- 6. Calculate Coefficient of Variation
147 SELECT
148     EXTRACT(YEAR FROM DATE) AS Year,
149     AVG(Inflation_Rate) AS Average_Inflation,
150     STDDEV(Inflation_Rate) AS Inflation_Volatility,
151     (STDDEV(Inflation_Rate) / NULLIF(AVG(Inflation_Rate), 0)) * 100 AS
Coefficient_of_Variation
152 FROM inflation.inflation
153 GROUP BY Year
154 ORDER BY Year;
```

	YEAR	AVERAGE_INFLATION	INFLATION_VOLATILITY	COEFFICIENT_OF_VARIATION	Query Details
1	2019	1.75	0.1977142106	11.297954894	Query duration 34
2	2020	1	0.4348458452	43.48458452	Rows
3	2021	2.491666667	1.381342123	55.43847985	Query ID 01ba4cba-0001-8afe-
4	2022	7.9	1.549193338	19.610042259	Show more
5	2023	6.833333333	1.789023773	26.180835703	YEAR
6	2024	3.283333333	0.4821039747	14.683369788	

7. Yearly Inflation Growth

```
SELECT
    EXTRACT(YEAR FROM DATE) AS Year,
    AVG(Inflation_Rate) AS Average_Inflation,
    LAG(AVG(Inflation_Rate)) OVER (ORDER BY EXTRACT(YEAR FROM DATE)) AS Previous_Year_Inflation,
    (AVG(Inflation_Rate) - LAG(AVG(Inflation_Rate)) OVER (ORDER BY EXTRACT(YEAR FROM DATE))) /
    LAG(AVG(Inflation_Rate)) OVER (ORDER BY EXTRACT(YEAR FROM DATE)) * 100 AS
Inflation_Growth_Percentage
FROM inflation.inflation
GROUP BY Year
ORDER BY Year;
```

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-- 7. Calculate Yearly Inflation Growth  
SELECT  
 EXTRACT(YEAR FROM DATE) AS Year,  
 AVG(Inflation\_Rate) AS Average\_Inflation,  
 LAG(AVG(Inflation\_Rate)) OVER (ORDER BY EXTRACT(YEAR FROM DATE)) AS Previous\_Year\_Inflation,  
 (AVG(Inflation\_Rate) - LAG(AVG(Inflation\_Rate)) OVER (ORDER BY EXTRACT(YEAR FROM DATE))) /  
 LAG(AVG(Inflation\_Rate)) OVER (ORDER BY EXTRACT(YEAR FROM DATE)) \* 100 AS Inflation\_Growth\_Percentage  
FROM inflation.inflation  
GROUP BY Year  
ORDER BY Year;

ResultsChart

	YEAR	AVERAGE_INFLATION	PREVIOUS_YEAR_INFLATION	INFLATION_GROWTH_PERCENTAGE
1	2019	1.75	null	null
2	2020	1	1.75	-42.857142857
3	2021	2.491666667	1	149.166666667
4	2022	7.9	2.491666667	217.056856187
5	2023	6.833333333	7.9	-13.502109705
6	2024	3.283333333	6.833333333	-51.951219512

Query Details

Query duration112ms  
Rows6  
Query ID01ba4cba-0001-8afe-0...

Show more

YEAR

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2019

2024

8. Seasonal Trends in Fuel Prices

This query compares the average fuel price by season (Winter, Spring, Summer, Fall):

sql

CopyEdit

SELECT

CASE

WHEN EXTRACT(MONTH FROM Date) IN (12, 1, 2) THEN 'Winter'

WHEN EXTRACT(MONTH FROM Date) IN (3, 4, 5) THEN 'Spring'

WHEN EXTRACT(MONTH FROM Date) IN (6, 7, 8) THEN 'Summer'

WHEN EXTRACT(MONTH FROM Date) IN (9, 10, 11) THEN 'Fall'

END AS Season,

AVG(Price) AS Average\_Price

FROM fuel.fuel

GROUP BY Season

ORDER BY Season;

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...

--8. Detect Seasonal Trends in Fuel Prices  
SELECT  
CASE  
WHEN EXTRACT(MONTH FROM Date) IN (12, 1, 2) THEN 'Winter'  
WHEN EXTRACT(MONTH FROM Date) IN (3, 4, 5) THEN 'Spring'  
WHEN EXTRACT(MONTH FROM Date) IN (6, 7, 8) THEN 'Summer'  
WHEN EXTRACT(MONTH FROM Date) IN (9, 10, 11) THEN 'Fall'  
END AS Season,  
AVG(Price) AS Average\_Price  
FROM fuel.fuel  
GROUP BY Season  
ORDER BY Season;

ResultsChart

	SEASON	AVERAGE_PRICE
1	Fall	1.388189744
2	Spring	1.36123038
3	Summer	1.399277215
4	Winter	1.347839024

Query Details

Query duration451ms

Rows4

Query ID01ba4cbb-0001-8a38-0...

Show more



9. Average Duty Rate for Oil and ULSP

```
SELECT
    f.DATE,
    AVG(f.Price) AS Average_Fuel_Price,
    AVG(o.PRICE) AS Average_Oil_Price
FROM fuel.fuel f
JOIN oil.oil o ON f.DATE = o.DATE
GROUP BY f.DATE
ORDER BY f.DATE;
```

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-- 9. Average Duty Rate for Oil and ULSP  
SELECT  
 f.DATE,  
 AVG(f.Price) AS Average\_Fuel\_Price,  
 AVG(o.PRICE) AS Average\_Oil\_Price  
FROM fuel.fuel f  
JOIN oil.oil o ON f.DATE = o.DATE  
GROUP BY f.DATE  
ORDER BY f.DATE;

ResultsChart

DATE

AVERAGE\_FUEL\_PRICE

AVERAGE\_OIL\_PRICE

12019-04-011.21771.23

22019-07-011.264963.92

32020-06-011.051740.27

42021-02-011.191462.28

52021-03-011.221765.41

Query Details

Query duration380ms

Rows11

Query ID01ba4cbf-0001-8ae5-0...

Show more

10. Price Difference Between ULSP and ULSD

```
SELECT DATE,
        ULSP_Price,
        ULSD_Price,
        (ULSP_Price - ULSD_Price) AS Price_Difference
FROM fuel.fuel;
```

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-- 10. Price Difference Between ULSP and ULSD  
  
SELECT DATE,  
 ULSP\_Price,  
 ULSD\_Price,  
 (ULSP\_Price - ULSD\_Price) AS Price\_Difference  
FROM fuel.fuel;  
  
DESC TABLE fuel.fuel;

ResultsChart

	name	type	kind	null?	default	primary key	unique key	check	expression	comment	poli
1	DATE	DATE	COLUMN	Y	null	N	N	null	null	null	null
2	ULSP_PRICE	FLOAT	COLUMN	Y	null	N	N	null	null	null	null
3	ULSD_PRICE	FLOAT	COLUMN	Y	null	N	N	null	null	null	null
4	ULSP_DUTY	FLOAT	COLUMN	Y	null	N	N	null	null	null	null
5	ULSD_DUTY	FLOAT	COLUMN	Y	null	N	N	null	null	null	null

Query Details

Query duration43ms

Rows5

Query ID01ba4ccf-0001-8b2d-0...

Show more

nameA

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11. Price Outliers in Fuel Data

```
WITH PriceStats AS (  
    SELECT AVG(Price) AS Mean_Price, STDDEV(Price) AS StdDev_Price  
    FROM fuel.fuel  
)  
  
SELECT Date, Price  
FROM fuel.fuel, PriceStats  
WHERE Price > Mean_Price + 2 * StdDev_Price  
OR Price < Mean_Price - 2 * StdDev_Price;
```

215 -- 11. Price Outliers in Fuel Data  
216 WITH PriceStats AS (  
217 SELECT AVG(ULSP\_Price) AS Mean\_Price,  
218 STDDEV(ULSP\_Price) AS StdDev\_Price  
219 FROM fuel.fuel  
220 )  
221 SELECT Date, ULSP\_Price  
222 FROM fuel.fuel, PriceStats  
223 WHERE ULSP\_Price > Mean\_Price + 2 \* StdDev\_Price  
224 OR ULSP\_Price < Mean\_Price - 2 \* StdDev\_Price;  
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ResultsChart

	DATE	ULSP_PRICE
1	2022-06-06	1.7499
2	2022-06-13	1.8253
3	2022-06-20	1.8685
4	2022-06-27	1.9093
5	2022-07-04	1.9155
6	2022-07-11	1.9063
7	2022-07-18	1.8892
8	2022-07-25	1.866
9	2022-08-01	1.8277
10	2022-08-08	1.7764

Query Details

Query duration320ms

Rows11

Query ID01ba4cd2-0001-8ae0-0...

Show more

DATE

2022-06-062022-08-15

12. Comparison of Fuel and Oil Prices with Price Difference

```
SELECT f.Date,
       f.ULSP_Price AS Fuel_Price,
       o.Price AS Oil_Price,
       o.Price - f.ULSP_Price AS Price_Difference
FROM fuel.fuel f
JOIN oil.oil o ON f.Date = o.Date
ORDER BY f.Date
```

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-- 12. Comparison of Fuel and Oil Prices with Price Difference  
SELECT f.Date,  
 f.ULSP\_Price AS Fuel\_Price,  
 o.Price AS Oil\_Price,  
 o.Price - f.ULSP\_Price AS Price\_Difference  
FROM fuel.fuel f  
JOIN oil.oil o ON f.Date = o.Date  
ORDER BY f.Date;

ResultsChart

	DATE	FUEL_PRICE	OIL_PRICE	PRICE_DIFFERENCE
1	2019-04-01	1.217	71.23	70.013
2	2019-07-01	1.2649	63.92	62.6551
3	2020-06-01	1.0517	40.27	39.2183
4	2021-02-01	1.1914	62.28	61.0886
5	2021-03-01	1.2217	65.41	64.1883
6	2021-11-01	1.437	81.05	79.613
7	2022-08-01	1.8277	100.45	98.6223
8	2023-05-01	1.4571	75.47	74.0129
9	2024-01-01	1.4078	80.12	78.7122
10	2024-04-01	1.4625	89.94	88.4775
11	2024-07-01	1.4428	85.15	83.7072

Query Details


Query duration 391ms

Rows 11

Query ID 01ba4cd5-0001-8a07-0...


Show more

DATE



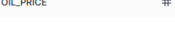
2019-04-012024-07-01

FUEL\_PRICE



1.05171.8277

OIL\_PRICE



1.05171.8277

### 13. Join Data from Multiple Schemas (Fuel and Inflation)

```
SELECT f.Date,  
       f.ULSP_Price AS Fuel_Price,  
       i.INFLATION_RATE AS Inflation  
FROM fuel.fuel f  
JOIN inflation.inflation i  
    ON EXTRACT(MONTH FROM f.Date) = EXTRACT(MONTH FROM i.Date)  
WHERE f.Date BETWEEN '2020-01-01' AND '2020-12-31'  
ORDER BY f.Date;
```

```
237 -- 13. Join Data from Multiple Schemas (Fuel and Inflation)
238 SELECT f.Date,
239        f.ULSP_Price AS Fuel_Price,
240        i.INFLATION_RATE AS Inflation
241 FROM fuel.fuel f
242 JOIN inflation.inflation i
243     ON EXTRACT(MONTH FROM f.Date) = EXTRACT(MONTH FROM i.Date)
244 WHERE f.Date BETWEEN '2020-01-01' AND '2020-12-31'
245 ORDER BY f.Date;
```

	DATE	FUEL_PRICE	INFLATION
1	2020-01-06	1.2609	1.8
2	2020-01-06	1.2609	4.2
3	2020-01-06	1.2609	8.8
4	2020-01-06	1.2609	4.9
5	2020-01-06	1.2609	0.9
6	2020-01-06	1.2609	1.8
7	2020-01-13	1.2717	1.8
8	2020-01-13	1.2717	4.2
9	2020-01-13	1.2717	8.8
10	2020-01-13	1.2717	4.9
11	2020-01-13	1.2717	0.9
12	2020-01-13	1.2717	1.8
13	2020-01-20	1.2718	0.9
14	2020-01-20	1.2718	4.9

14. Average Fuel Price by Month Across Schemas (Fuel and Oil)

```
SELECT
    EXTRACT(MONTH FROM f.Date) AS Month,
    AVG(f.ULSP_Price) AS Avg_Fuel_Price,
    AVG(o.Price) AS Avg_Oil_Price
FROM fuel.fuel f
JOIN oil.oil o ON EXTRACT(MONTH FROM f.Date) = EXTRACT(MONTH FROM o.Date)
GROUP BY Month
ORDER BY Month;
```

247 -- 14. Average Fuel Price by Month Across Schemas (Fuel and Oil)

248 SELECT

249 EXTRACT(MONTH FROM f.Date) AS Month,

250 AVG(f.ULSP\_Price) AS Avg\_Fuel\_Price,

251 AVG(o.Price) AS Avg\_Oil\_Price

252 FROM fuel.fuel f

253 JOIN oil.oil o ON EXTRACT(MONTH FROM f.Date) = EXTRACT(MONTH FROM o.Date)

254 GROUP BY Month

255 ORDER BY Month;

256

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	MONTH	AVG_FUEL_PRICE	AVG_OIL_PRICE	
1	1	1.345674194	71.16	Q
2	2	1.33768	74.183333333	Q
3	3	1.347692308	74.108333333	R
4	4	1.357342308	72.263333333	Q
5	5	1.378011111	73.298333333	{
6	6	1.381864	76.241666667	
7	7	1.410655556	76.586666667	
8	8	1.404022222	73.581666667	{
9	9	1.382076923	72.621666667	
10	10	1.401084615	73.833333333	
11	11	1.381407692	72.61	{
12	12	1.360188462	70.646666667	

## 15. Correlation Between Fuel Prices and Inflation

SELECT

CORR(f.ULSP\_Price, i.INFLATION\_RATE) AS Fuel\_Inflation\_Correlation

FROM fuel.fuel f

JOIN inflation.inflation i

ON EXTRACT(MONTH FROM f.Date) = EXTRACT(MONTH FROM i.Date)

WHERE f.Date BETWEEN '2019-01-01' AND '2020-12-31';

2/2

Results		Chart
FUEL_INFLATION_CORRELATION		
1	-0.003197039271	

## 16. Month with Highest Difference Between ULSP and Fuel Prices

SELECT

EXTRACT(MONTH FROM f.Date) AS Month,

MAX(ABS(f.ULSP\_Price - o.Price)) AS Max\_Price\_Difference

FROM fuel.fuel f

JOIN oil.oil o

ON EXTRACT(MONTH FROM f.Date) = EXTRACT(MONTH FROM o.Date)

GROUP BY Month

ORDER BY Max\_Price\_Difference DESC

LIMIT 1;

```
265
266 -- 16. Month with Highest Difference Between ULSP and Fuel Prices
267 SELECT
268     EXTRACT(MONTH FROM f.Date) AS Month,
269     MAX(ABS(f.ULSP_Price - o.Price)) AS Max_Price_Difference
270 FROM fuel.fuel f
271 JOIN oil.oil o
272     ON EXTRACT(MONTH FROM f.Date) = EXTRACT(MONTH FROM o.Date)
273 GROUP BY Month
274 ORDER BY Max_Price_Difference DESC
275 LIMIT 1;
```

276  
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Results Chart

	MONTH	MAX_PRICE_DIFFERENCE
1	6	121.6583



## 17. Monthly Fuel Price for the Highest Inflation Month

```
WITH Max_Inflation AS (  
    SELECT EXTRACT(MONTH FROM Date) AS Month,  
           MAX(INFLATION_RATE) AS Max_Inflation  
    FROM inflation.inflation  
    GROUP BY Month  
    ORDER BY Max_Inflation DESC  
    LIMIT 1  
)  
SELECT f.Date, f.ULSP_Price AS Fuel_Price  
FROM fuel.fuel f  
JOIN Max_Inflation mi ON EXTRACT(MONTH FROM f.Date) = mi.Month;
```

```
276  
277 -- 17. Monthly Fuel Price for the Highest Inflation Month  
278 WITH Max_Inflation AS (  
279     SELECT EXTRACT(MONTH FROM Date) AS Month,  
280            MAX(INFLATION_RATE) AS Max_Inflation  
281     FROM inflation.inflation  
282     GROUP BY Month  
283     ORDER BY Max_Inflation DESC  
284     LIMIT 1  
285 )  
286 SELECT f.Date, f.ULSP_Price AS Fuel_Price  
287 FROM fuel.fuel f  
288 JOIN Max_Inflation mi ON EXTRACT(MONTH FROM f.Date) = mi.Month;  
289
```

	DATE	FUEL_PRICE
1	2019-10-07	1.2687
2	2019-10-14	1.2691
3	2019-10-21	1.264
4	2019-10-28	1.2577
5	2020-10-05	1.1326
6	2020-10-12	1.1319
7	2020-10-19	1.1318
8	2020-10-26	1.1314
9	2021-10-04	1.361
10	2021-10-11	1.3717
11	2021-10-18	1.3946
12	2021-10-25	1.4181
13	2022-10-03	1.6267
14	2022-10-10	1.6209

18. Difference Between Duty Rates (Fuel vs Oil)

```
SELECT
    o.Date,
    o.ULSP_Duty - f.ULSP_Duty AS ULSP_Duty_Difference,
    o.ULSD_Duty - f.ULSD_Duty AS ULSD_Duty_Difference
FROM oil.oil o
JOIN fuel.fuel f ON o.Date = f.Date
ORDER BY o.Date;
```

290 -- 18. Difference Between Duty Rates (Fuel vs Oil)  
291 SELECT  
292 f.Date,  
293 f.ULSP\_Duty AS ULSP\_Duty\_Fuel,  
294 f.ULSD\_Duty AS ULSD\_Duty\_Fuel,  
295 o.Price AS Oil\_Price  
296 FROM fuel.fuel f  
297 JOIN oil.oil o ON f.Date = o.Date  
298 ORDER BY f.Date;  
299  
300

Results Chart

	DATE	ULSP_DUTY_FUEL	ULSD_DUTY_FUEL	OIL_PRICE
1	2019-04-01	0.5795	0.5795	71.23
2	2019-07-01	0.5795	0.5795	63.92
3	2020-06-01	0.5795	0.5795	40.27
4	2021-02-01	0.5795	0.5795	62.28
5	2021-03-01	0.5795	0.5795	65.41
6	2021-11-01	0.5795	0.5795	81.05
7	2022-08-01	0.5295	0.5295	100.45
8	2023-05-01	0.5295	0.5295	75.47
9	2024-01-01	0.5295	0.5295	80.12
10	2024-04-01	0.5295	0.5295	89.94
11	2024-07-01	0.5295	0.5295	85.15

19. Year-over-Year Fuel Price Change

```
SELECT
    EXTRACT(YEAR FROM f.Date) AS Year,
    AVG(f.ULSP_Price) AS Average_Price,
    (AVG(f.ULSP_Price) - LAG(AVG(f.ULSP_Price)) OVER (ORDER BY EXTRACT(YEAR FROM f.Date))) /
    LAG(AVG(f.ULSP_Price)) OVER (ORDER BY EXTRACT(YEAR FROM f.Date)) * 100 AS
    Year_Over_Year_Change
FROM fuel.fuel f
GROUP BY Year
ORDER BY Year;
```

299 -- 19. Year-over-Year Fuel Price Change  
300 SELECT  
301 EXTRACT(YEAR FROM f.Date) AS Year,  
302 AVG(f.ULSP\_Price) AS Average\_Price,  
303 (AVG(f.ULSP\_Price) - LAG(AVG(f.ULSP\_Price)) OVER (ORDER BY EXTRACT(YEAR FROM f.Date))) /  
304 LAG(AVG(f.ULSP\_Price)) OVER (ORDER BY EXTRACT(YEAR FROM f.Date)) \* 100 AS Year\_Over\_Year\_Change  
305 FROM fuel.fuel f  
306 GROUP BY Year  
307 ORDER BY Year;  
308

Results Chart

	YEAR	AVERAGE_PRICE	YEAR_OVER_YEAR_CHANGE
1	2019	1.249705769	null
2	2020	1.140926923	-8.704356564
3	2021	1.313978846	15.167660573
4	2022	1.646425	25.300723434
5	2023	1.476501923	-10.32072988
6	2024	1.414677358	-4.187232243
7	2025	1.37436	-2.849933114

Query Details

Query duration

Rows

Query ID 01ba4ce6-6

Show more

YEAR

2019

AVERAGE\_PRICE

1.140926923

20. Average Fuel Price with Higher Inflation

```
SELECT AVG(f.ULSP_Price) AS Avg_Fuel_Price
FROM fuel.fuel f
JOIN inflation.inflation i ON EXTRACT(MONTH FROM f.Date) = EXTRACT(MONTH FROM i.Date)
WHERE i.INFLATION_RATE > 2
GROUP BY EXTRACT(MONTH FROM f.Date);
```

322

-- 21. Average Fuel Price with Higher Inflation

323

SELECT AVG(f.ULSP\_Price) AS Avg\_Fuel\_Price

324

FROM fuel.fuel f

325

JOIN inflation.inflation i ON EXTRACT(MONTH FROM f.Date) = EXTRACT(MONTH FROM i.Date)

326

WHERE i.INFLATION\_RATE > 2

327

GROUP BY EXTRACT(MONTH FROM f.Date);

328

329

Results

Chart

AVG_FUEL_PRICE	
1	1.345674194
2	1.33768
3	1.347692308
4	1.357342308
5	1.378011111
6	1.381864
7	1.410655556
8	1.404022222
9	1.360188462
10	1.382076923
11	1.401084615
12	1.381407692

## 21. Rolling Average of Fuel Prices

SELECT

f.Date,

f.ULSP\_Price,

AVG(f.ULSP\_Price) OVER (ORDER BY f.Date ROWS BETWEEN 6 PRECEDING AND CURRENT ROW) AS  
Rolling\_Avg\_7\_Days

FROM fuel.fuel f

ORDER BY f.Date;

