

Dataset Upload: -

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Q Untitled query Run Schedule Open in More Save Download Share

```
1 SELECT *
2 FROM `quixotic-geode-440013-f3.datacleaned.123`
3 LIMIT 10;
```

Query completed

Query results Save results Open in

Job information Results Chart JSON Execution details Execution graph

Brent_Oil	Price_Dubai_Bren...	Price_ExxonMobil	Price_Shenhua	Price_All_Share	Price_Mining	Price_LNG_Japan...	Price_ZAR_USD	Price_Natural_Gas	Price_ICE
29.94	26.16	40.4	14.58	45060.69	35562.37	2.86	0.05411	1.552	81.14
34.11	29.39	39.21	14.14	44598.7	35258.3	2.845	0.05245	1.621	80.99
33.05	27.45	40.47	14.26	46240.35	37032.31	2.85	0.05351	1.731	84.43
31.87	26.0	41.24	14.46	47496.72	38362.12	2.805	0.05457	1.852	82.3
32.84	26.16	43.85	14.24	46689.9	37469.17	2.81	0.05493	1.783	85.34
31.48	23.26	43.13	14.16	48011.56	38905.32	2.805	0.05544	1.733	87.38
302007299...	74.75249297094...	80.87101218369...	21.27470249520...	68736.90481096...	52972.17837429...	17.62252908067...	0.05561	3.697999090081...	112.7561105904...
31.74	24.74	42.76	21.27470249520...	68736.90481096...	52972.17837429...	2.805	0.05516	1.724	85.18
29.6	21.96	42.43	14.36	49874.51	41941.82	2.8	0.05454	1.65	87.0

Results per page: 50 1 - 10 of 10 < > >>

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Q Untitled query Run Schedule Open in More Save Download Share

```
1 |
2 WITH base AS (
3   SELECT Price_WTI
4   FROM `quixotic-geode-440013-f3.datacleaned.123`
5   WHERE Price_WTI IS NOT NULL
6 ),
7 stats AS (
8   SELECT
9     AVG(Price_WTI) AS mean_value,
10    APPROX_QUANTILES(Price_WTI, 1001)[OFFSET(500)] AS median_value
11   FROM base
12 ),
13 mode_calc AS (
14   SELECT Price_WTI AS mode_value
15   FROM base
16   GROUP BY Price_WTI
17   ORDER BY COUNT(*) DESC
18   LIMIT 1
19 )
20 SELECT *
21 FROM stats, mode_calc;
```

This query will process 8.65 KB when run.

Output: -

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```
1 |
2 WITH base AS (
3   SELECT Price_WTI
4   FROM `quixotic-geode-440013-f3.datacleaned.123`
5   WHERE Price_WTI IS NOT NULL
6 ),
7 stats AS (
8   SELECT
9     AVG(Price_WTI) AS mean_value,
10    APPROX_QUANTILES(Price_WTI, 1001)[OFFSET(500)] AS median_value
11   FROM base
12 )
```

✓ This query will process 8.65 KB when run.

Query results [Save results](#) [Open in](#)

Job information **Results** Chart JSON Execution details Execution graph

Row	mean_value	median_value	mode_value
1	72.34546860782...	75.55	72.34546860782...

Measures of dispersion

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```
2 SELECT
3   VAR_SAMP(Price_WTI) AS variance_value,
4   STDDEV_SAMP(Price_WTI) AS stddev_value
5 FROM `quixotic-geode-440013-f3.datacleaned.123`
6 WHERE Price_WTI IS NOT NULL;
7
```

✓ Query completed

Query results [Save results](#) [Open in](#)

Job information **Results** Chart JSON Execution details Execution graph

Row	variance_value	stddev_value
1	421.5119933396...	20.53075725197...

Skewness and kurtosis

```

WITH base AS (
  SELECT Price_WTI
  FROM `quixotic-geode-440013-f3.datacleaned.123`
  WHERE Price_WTI IS NOT NULL
),
stats AS (
  SELECT
    COUNT(*) AS n,
    AVG(Price_WTI) AS mean,
    STDDEV_SAMP(Price_WTI) AS stddev
  FROM base
),
moments AS (
  SELECT
    s.n,
    s.mean,
    s.stddev,
    SUM(POWER(b.Price_WTI - s.mean, 3)) AS m3,
    SUM(POWER(b.Price_WTI - s.mean, 4)) AS m4
  FROM base b
  CROSS JOIN stats s
  GROUP BY s.n, s.mean, s.stddev
)
SELECT
  (n / ((n - 1) * (n - 2))) * (m3 / POWER(stddev, 3)) AS skewness,
  ((n * (n + 1)) / ((n - 1) * (n - 2) * (n - 3))) * (m4 / POWER(stddev, 4))
  - (3 * POWER(n - 1, 2) / ((n - 2) * (n - 3))) AS kurtosis
FROM moments;

```

This query will process 8.65 KB when run.

Output: -

skewness and kurtosis	Run	Schedule	Open in	More	Save query (Classic)	Share
<pre> 1 -- SKEWNESS AND KURTOSIS 2 WITH base AS (3 SELECT Price_WTI 4 FROM `quixotic-geode-440013-f3.datacleaned.123` 5 WHERE Price_WTI IS NOT NULL 6), 7 stats AS (8 SELECT 9 COUNT(*) AS n, 10 AVG(Price_WTI) AS mean </pre>						
<div> This query will process 8.65 KB when run. </div>						
<div> <div>Query results</div> <div>Save results</div> <div>Open in</div> </div>						
<div> <div>Job information</div> <div>Results</div> <div>Chart</div> <div>JSON</div> <div>Execution details</div> <div>Execution graph</div> </div>						
Row	skewness	kurtosis				
1	-0.53829192313...	0.836002855845...				