Dataset Upload: -

Central Tendency: -
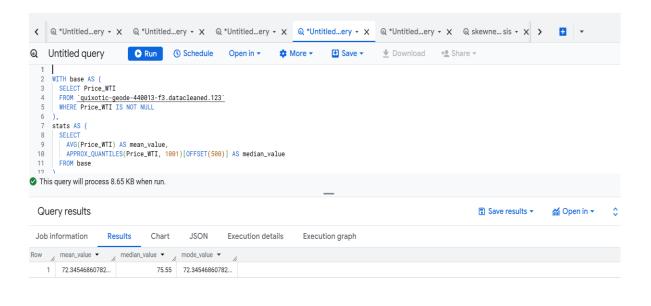

Output: -

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 )
```

✅ 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

Q Untitled query   ▶ Run   🕐 Schedule   Open in ▾   ⚙ More ▾   💾 Save ▾   ⬇ Download   ➕ Share ▾

```
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

```sql
-- 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;
```
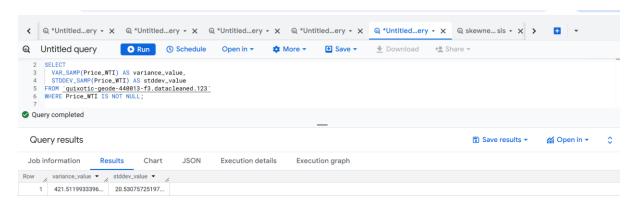
query will process 8.65 KB when run.

Output: -

Row	skewness ▾	kurtosis ▾	
1	-0.53829192313...	0.836002855845...	