

# AI-Powered Text-to-SQL Generator



Enter your natural language query:

what is my total sales\_revenue\_sum by each year(date column is DATE) from the fact\_ad\_summary\_ui t

Generate SQL

## Generated SQL Query:

```
```sql
SELECT
    STRFTIME('%Y', DATE) AS SalesYear,
    SUM(SALES_REVENUE_SUM) AS TotalSalesRevenue
FROM FACT_AD_SUMMARY_UI
WHERE
    SALES_UNITS_FLAG = 1
GROUP BY
    SalesYear
ORDER BY
    SalesYear;
```
```

## Optimized SQL Query:

```
SELECT
    EXTRACT(YEAR FROM DATE) AS sales_year,
    SUM(SALES_REVENUE_SUM) AS total_sales_revenue
FROM FACT_AD_SUMMARY_UI
GROUP BY sales_year
ORDER BY sales_year
LIMIT 1 OFFSET 0
```

Run Query

# Executing SQL Query:

```
SELECT
    EXTRACT(YEAR FROM DATE) AS sales_year,
    SUM(SALES_REVENUE_SUM) AS total_sales_revenue
FROM FACT_AD_SUMMARY_UI
GROUP BY sales_year
ORDER BY sales_year
LIMIT 1 OFFSET 0
```

## Query Results:

|   | SALES_YEAR | TOTAL_SALES_REVENUE |
|---|------------|---------------------|
| 0 | 2,023      | 926,888,806.3562    |

## Performance Insights:

|   |   | partitionsTotal | partitionsAssigned | bytesAssigned |
|---|---|-----------------|--------------------|---------------|
| 0 |   | 16              | 16                 | 116,588,032   |
| 1 | _SUMMARY_UI.DATE), SUM(FACT_AD_SUMMARY_UI.SAL   | None            | None               | None          |
| 2 | FACT_AD_SUMMARY_UI.DATE) ASC NULLS LAST], rowCo | None            | None               | None          |
| 3 | MMARY_UI.SALES_REVENUE_SUM)), groupKeys: [EXTRA | None            | None               | None          |
| 4 |   | 16              | 16                 | 116,588,032   |