

Snowflake Query Tracker Result

Demand Forecasting & Anomaly Detection

Rossmann Store Sales Data

Generated: 7/31/2025, 2:23:57 PM

Total Queries: 4

Query #1

Topic: Feature Encoding & Modeling Preparation

3.1: Encode StateHoliday

SQL Query:

```
ALTER TABLE ROSSMANN_FEATURES ADD COLUMN "StateHolidayEncoded"
INTEGER;

UPDATE ROSSMANN_FEATURES
SET "StateHolidayEncoded" = CASE
    WHEN STATEHOLIDAY = 'None' THEN 0
    WHEN STATEHOLIDAY = 'a' THEN 1
    WHEN STATEHOLIDAY = 'b' THEN 2
    WHEN STATEHOLIDAY = 'c' THEN 3
    ELSE 0
END;
```

Result:

	# number of rows updated	# number of multi-joined rows updated
1	1017209	0

Query #2

Topic: 3.2: Extract Month from PromoInterval

SQL Query:

```
ALTER TABLE ROSSMANN_FEATURES ADD COLUMN PromoMonthFlag
INTEGER;

UPDATE ROSSMANN_FEATURES
SET PromoMonthFlag = CASE
    WHEN PromoInterval ILIKE '%Jan%' AND EXTRACT(MONTH FROM Date) = 1
THEN 1
    WHEN PromoInterval ILIKE '%Feb%' AND EXTRACT(MONTH FROM Date) = 2
THEN 1
    WHEN PromoInterval ILIKE '%Mar%' AND EXTRACT(MONTH FROM Date) = 3
THEN 1
    WHEN PromoInterval ILIKE '%Apr%' AND EXTRACT(MONTH FROM Date) = 4
THEN 1
    WHEN PromoInterval ILIKE '%May%' AND EXTRACT(MONTH FROM Date) = 5
THEN 1
    WHEN PromoInterval ILIKE '%Jun%' AND EXTRACT(MONTH FROM Date) = 6
THEN 1
    WHEN PromoInterval ILIKE '%Jul%' AND EXTRACT(MONTH FROM Date) = 7
THEN 1
    WHEN PromoInterval ILIKE '%Aug%' AND EXTRACT(MONTH FROM Date) = 8
THEN 1
    WHEN PromoInterval ILIKE '%Sept%' AND EXTRACT(MONTH FROM Date) = 9
THEN 1
    WHEN PromoInterval ILIKE '%Oct%' AND EXTRACT(MONTH FROM Date) =
10 THEN 1
    WHEN PromoInterval ILIKE '%Nov%' AND EXTRACT(MONTH FROM Date) =
11 THEN 1
    WHEN PromoInterval ILIKE '%Dec%' AND EXTRACT(MONTH FROM Date) =
12 THEN 1
    ELSE 0
END;
```

Result:

	# number of rows updated	# number of multi-joined rows updated
1	1017209	0

Query #3

Topic: 3.3: Extract Time Features

SQL Query:

```
ALTER TABLE ROSSMANN_FEATURES ADD COLUMN Year INT;
ALTER TABLE ROSSMANN_FEATURES ADD COLUMN Month INT;
ALTER TABLE ROSSMANN_FEATURES ADD COLUMN Week INT;
ALTER TABLE ROSSMANN_FEATURES ADD COLUMN Day INT;

UPDATE ROSSMANN_FEATURES
SET Year = EXTRACT(YEAR FROM Date),
    Month = EXTRACT(MONTH FROM Date),
    Week = EXTRACT(WEEK FROM Date),
    Day = EXTRACT(DAY FROM Date);
```

Result:

	# number of rows updated	# number of multi-joined rows updated
1	1017209	0

Query #4

Topic: 3.4: Add Weekend & Weekday Flags

SQL Query:

```
ALTER TABLE ROSSMANN_FEATURES ADD COLUMN IsWeekend INT;  
  
UPDATE ROSSMANN_FEATURES  
SET IsWeekend = CASE  
    WHEN DAYOFWEEK(Date) IN (1, 7) THEN 1  
    ELSE 0  
END;
```

Result:

	# number of rows updated	# number of multi-joined rows updated
1	1017209	0