SQL Queries for Store Sales Analysis

Store Sales - Grouped and Filtered

```
SELECT
  `state`,
  `category`,
  `Region`,
  `Ship Mode`,
  SUM(`sales`) as Total_sales,
  AVG(Date_diff(`ship date`,`order date`, DAY)) as avg_delay
FROM
  eberbach-portfolio.superstore_sales.Store_sales
WHERE
  Date_diff(`ship date`,`order date`, DAY) >= 0
  AND `postal Code` IS NOT NULL
GROUP BY
  `category`,
  `Region`,
  `state`,
  `Ship Mode`
HAVING
  `avg_delay` >= 50
ORDER BY
  avg_delay DESC,
  Total_sales DESC;
```

Store Sales - Joins and Subquery

```
SELECT
  a.state,
  a.Region,
  AVG(DATE_DIFF(a.`ship date`, a.`order date`, DAY)) AS state_delay,
  regional_delays.avg_region_delay
FROM
  `eberbach-portfolio.superstore_sales.Store_sales` a
JOIN (
  SELECT
    Region,
    AVG(DATE_DIFF(`ship date`, `order date`, DAY)) AS avg_region_delay
  FROM
    `eberbach-portfolio.superstore_sales.Store_sales`
  WHERE
    DATE_DIFF(`ship date`, `order date`, DAY) >= 0
  GROUP BY Region
) AS regional_delays
  ON a.Region = regional_delays.Region
GROUP BY
  a.state, a.Region, regional_delays.avg_region_delay
```

SQL Queries for Store Sales Analysis

```
HAVING
  state_delay > avg_region_delay
ORDER BY
  state_delay DESC;
```