

월별 일평균 지표 계산

```
-- 데이터 범위 내에서 모든 날짜 생성
WITH date_series AS (
  SELECT DATE_ADD(DATE '2010-12-01', INTERVAL n DAY) AS order_date
  FROM UNNEST(GENERATE_ARRAY(0, DATE_DIFF(DATE '2011-12-09', DATE '2010-12-01',
DAY))) AS n
),
cleaned_data AS (
  SELECT InvoiceNo,
    StockCode,
    Description,
    Quantity,
    TIMESTAMP(InvoiceDate) AS InvoiceDate,
    UnitPrice,
    COALESCE(CAST(CustomerID AS STRING), 'GUEST') AS CustomerID,
    Country,
    ROUND(Quantity * UnitPrice, 3) AS Revenue
  FROM `prime_career.ecommerce_data`
  WHERE
    InvoiceNo NOT LIKE 'C%'
    AND length(StockCode) >= 5
    AND Quantity > 0
    AND UnitPrice > 0
    AND Quantity NOT IN (80995, 74215)
),
daily_stats AS (
  SELECT
    d.order_date,
    FORMAT_DATE('%Y-%m', d.order_date) AS order_month,
    COALESCE(SUM(c.Revenue), 0) AS daily_revenue,
    COALESCE(COUNT(DISTINCT c.CustomerID), 0) AS daily_customers,
    COALESCE(COUNT(DISTINCT c.InvoiceNo), 0) AS daily_orders
  FROM date_series d
  LEFT JOIN cleaned_data c
  ON DATE(c.InvoiceDate) = d.order_date
  GROUP BY order_date, order_month
)

SELECT
  order_month,
  ROUND(AVG(daily_revenue), 2) AS avg_daily_revenue,
  ROUND(AVG(daily_customers), 2) AS avg_daily_customers,
  ROUND(AVG(daily_orders), 2) AS avg_daily_orders
FROM daily_stats
GROUP BY order_month
ORDER BY order_month;
```

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행	order_month ▼	avg_daily_revenue ▼	avg_daily_custom... ▼	avg_daily_orders ▼
1	2010-12	25534.34	39.52	50.06
2	2011-01	19187.86	30.94	34.87
3	2011-02	18176.89	34.32	39.04
4	2011-03	22305.99	40.1	46.48
5	2011-04	17210.83	35.83	41.2
6	2011-05	23912.6	43.81	53.84
7	2011-06	24629.23	42.47	50.83
8	2011-07	22238.64	39.32	46.84
9	2011-08	23406.62	38.74	43.19
10	2011-09	34351.01	53.27	60.67