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SCHEMAS

🔍 Filter objects

►  book_sales_feb2023

▶ bookstore_db



▶ college

feb23

►  first2ndm23

ms_pu_marc

ms_publications

ms_publications

ms_publications_cl

Administration Schemas

Information :oooooooooooooooooooo

No object selected

Object Info Session

```

193         revenue_from_depots DESC
194     LIMIT 5;
195
196
197
198 -- 1. Month-over-month revenue growth (Feb 2023 vs Jan 2023)
199 • WITH monthly_revenue AS (
200     SELECT
201         DATE_FORMAT(sale_date, '%Y-%m') AS month,
202         SUM(b.price * s.quantity) AS revenue
203     FROM sales s
204     JOIN books b ON s.book_id = b.book_id
205     GROUP BY month
206 )
207 SELECT
208     month,
209     revenue,
210     LAG(revenue) OVER (ORDER BY month) AS previous_month_revenue,
211     ROUND((((revenue - LAG(revenue) OVER (ORDER BY month)) / LAG(revenue) OVER (ORDER BY month)) * 100, 2) AS growth_per
212 FROM monthly_revenue;
213
214 -- 2. Top 3 customers by average purchase value
215 • SELECT
216     c.name,

```

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```

289 FROM customers c
290 JOIN sales s ON c.customer_id = s.customer_id
291 WHERE YEAR(s.sale_date) = 2023
292 GROUP BY c.customer_id, c.name
293 HAVING COUNT(DISTINCT MONTH(s.sale_date)) = 12;
294
295 -- 9. Most popular book by average quantity sold per transaction
296 • SELECT
297     b.title,
298     AVG(s.quantity) AS avg_quantity_per_transaction
299 FROM sales s
300 JOIN books b ON s.book_id = b.book_id
301 GROUP BY b.book_id
302 ORDER BY avg_quantity_per_transaction DESC
303 LIMIT 1;
304
305 -- 10. Customers with repeat purchases in Feb 2023
306 • SELECT
307     c.customer_id, c.name, COUNT(s.sale_id) AS transactions_feb
308 FROM sales s
309 JOIN customers c ON s.customer_id = c.customer_id
310 WHERE s.sale_date BETWEEN '2023-02-01' AND '2023-02-28'
311 GROUP BY c.customer_id, c.name
312 HAVING COUNT(s.sale_id) > 1;

```

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```

289 FROM customers c
290 JOIN sales s ON c.customer_id = s.customer_id
291 WHERE YEAR(s.sale_date) = 2023
292 GROUP BY c.customer_id, c.name
293 HAVING COUNT(DISTINCT MONTH(s.sale_date)) = 12;
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296 • SELECT
297     b.title,
298     AVG(s.quantity) AS avg_quantity_per_transaction
299 FROM sales s
300 JOIN books b ON s.book_id = b.book_id
301 GROUP BY b.book_id
302 ORDER BY avg_quantity_per_transaction DESC
303 LIMIT 1;
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305 -- 10. Customers with repeat purchases in Feb 2023
306 • SELECT
307     c.customer_id, c.name, COUNT(s.sale_id) AS transactions_feb
308 FROM sales s
309 JOIN customers c ON s.customer_id = c.customer_id
310 WHERE s.sale_date BETWEEN '2023-02-01' AND '2023-02-28'
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312 HAVING COUNT(s.sale_id) > 1;

```

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