



1. List all unique cities  
where customers are  
located.



2. Count the number of  
orders placed in 2017.



3. Find the total sales  
per category.



4. Calculate the percentage of orders that were paid in installments.



5. Count the number of  
customers from each  
state.



6. Calculate the  
number of orders per  
month in 2018.



7. Find the average number of products per order, grouped by customer city.



8. Calculate the percentage of total revenue contributed by each product category.





9. Identify the correlation between product price and the number of times a product has been purchased.



10. Calculate the total revenue generated by each seller, and rank them by revenue.



11 . Calculate the moving average of order values for each customer over their order history.



12. Calculate the  
cumulative sales per  
month for each year.



13. Calculate the year-over-year growth rate of total sales.



14. Calculate the retention rate of customers, defined as the percentage of customers who make another purchase within 6 months of their first purc



15. Identify the top 3 customers who spent the most money in each year.