

SQL Code

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1  USE practice1; -- selecting the database
2  SELECT * FROM bikesales; -- taking a look at the entire
data
3  -- Let's see the top 10 countries with the costliest average bike sales
4  SELECT Country, AVG(`Unit_Cost ($)`) AS Avg_Cost
5  FROM bikesales GROUP BY Country
6  ORDER BY Avg_Cost DESC;
7  -- Germany is the country with the costliest average bike sales
8  -- Now, let's see the states in Germany with the costliest average bike sales
9  SELECT State, AVG(`Unit_Cost ($)`) AS Avg_Cost
10 FROM bikesales WHERE Country = 'Germany'
11 GROUP BY State ORDER BY Avg_Cost DESC;
12 -- Hamburg is the city with costliest avg sales in Germany, let's see more about this city
13 SELECT State, AVG(`Profit ($)`) , AVG(`Revenue ($)`)
14 FROM bikesales WHERE State = 'Hamburg'
15 GROUP BY State; -- the avg profit and revenue that Hamburg made through bike sales
16 -- Let's see the countries with the highest total revenue made through bike sales
17 SELECT Country, SUM(`Revenue ($)`) AS Total_Revenue
18 FROM bikesales GROUP BY Country
19 ORDER BY Total_Revenue DESC;
20 -- Now, let's also check the countries with the highest total profit made through bike sales
21 SELECT Country, SUM(`Profit ($)`) AS Total_Profit
22 FROM bikesales GROUP BY Country
23 ORDER BY Total_Profit DESC;
24 -- Let's check which gender bought more quantity of bikes
25 SELECT Customer_Gender, SUM(Order_Quantity) AS Total_Quantity
26 FROM bikesales GROUP BY Customer_Gender
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27  ORDER BY Total_Quantity DESC;
28  -- Let's check which gender from which country and state
bought highest quantity of bikes
29  SELECT Customer_Gender, Country, State, SUM(Order_Quantity) AS Total_Quantity
30  FROM bikesales GROUP BY Customer_Gender, Country, State
31  ORDER BY Total_Quantity DESC;
32  -- Let's check customers of which age group bought more
quantity of bikes
33  SELECT Age_Group, SUM(Order_Quantity) AS Total_Quantity
34  FROM bikesales GROUP BY Age_Group
35  ORDER BY Total_Quantity DESC;
36  -- Let's check customers of which age group, gender and
country usually buy costly bikes
37  SELECT Age_Group, Customer_Gender, Country, AVG(Unit_Cost ($)) AS Avg_Cost
38  FROM bikesales GROUP BY Age_Group, Customer_Gender, Country
39  ORDER BY Avg_Cost DESC;
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