Data Analyst Exam 2 Lab Questions

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Instructions

Open the Lab 2 Tableau workbook and take the steps to answer the following questions. Then save the workbook and check your steps using the Exam 1 Lab Solutions document.

Question 1

[2.8.2 Reference Lines]

Add a 60th Percentile reference line to the Sales by Region barchart

Question 2

[1.2.4.Use multiple data sources (establish relationships, create joins, union tables, blend data)]

On the data source page, create a relationship between Order and Returns using Order ID.

Question 3

[2.4.1 Apply Filters to Dimensions and Measures]

Create a filter on Most Profitable Customers so that only the top 50 most profitable customers are shown. Use customer name rather than customer id when determining most profitable customers.

Question 4

[2.6.3 Structure the Data - hierarchies]

Create a hierarchy for Market, Region, and State.

Question 5

[2.7.1. Create symbol maps]

Edit the “Sales by Country” map so that it shows total sales by country. Center the map on country Bolivia

Question 6

[2.5.1 Create parameters to enable interactivity in calculations]

Create a calculated field “Sales Tax” that multiplies Sales by a new parameter “Sales Tax Rate.” The new parameter should be of type float.

Question 7

[2.1.7. Write FIXED LOD calculations]

Create a fixed level of detail calculation which will determine a customer’s first order year. Use Customer ID to identify a customer.

Question 8

[2.3.5. Create Customer Table Calculations - Ranking]

On the “Profitable Customers” worksheet, add a column with a 1 for the customer with the highest profit, a 2 for the customer with the second highest profit, and so on for all of the customer’s shown.

Question 9

[3.4. Apply color, font, shapes, styling]

On the By Region worksheet, increase the font size of the bar labels to 12 pt

Question 10

[3.3.2. Add filter, URL, and highlight actions]

Add an action so that selections made on the bar chart act as filters for the list of profitable customers.