Questions – Individual Assignment

The questions below are intended to give you a sense of how questions will look on the final presentation.

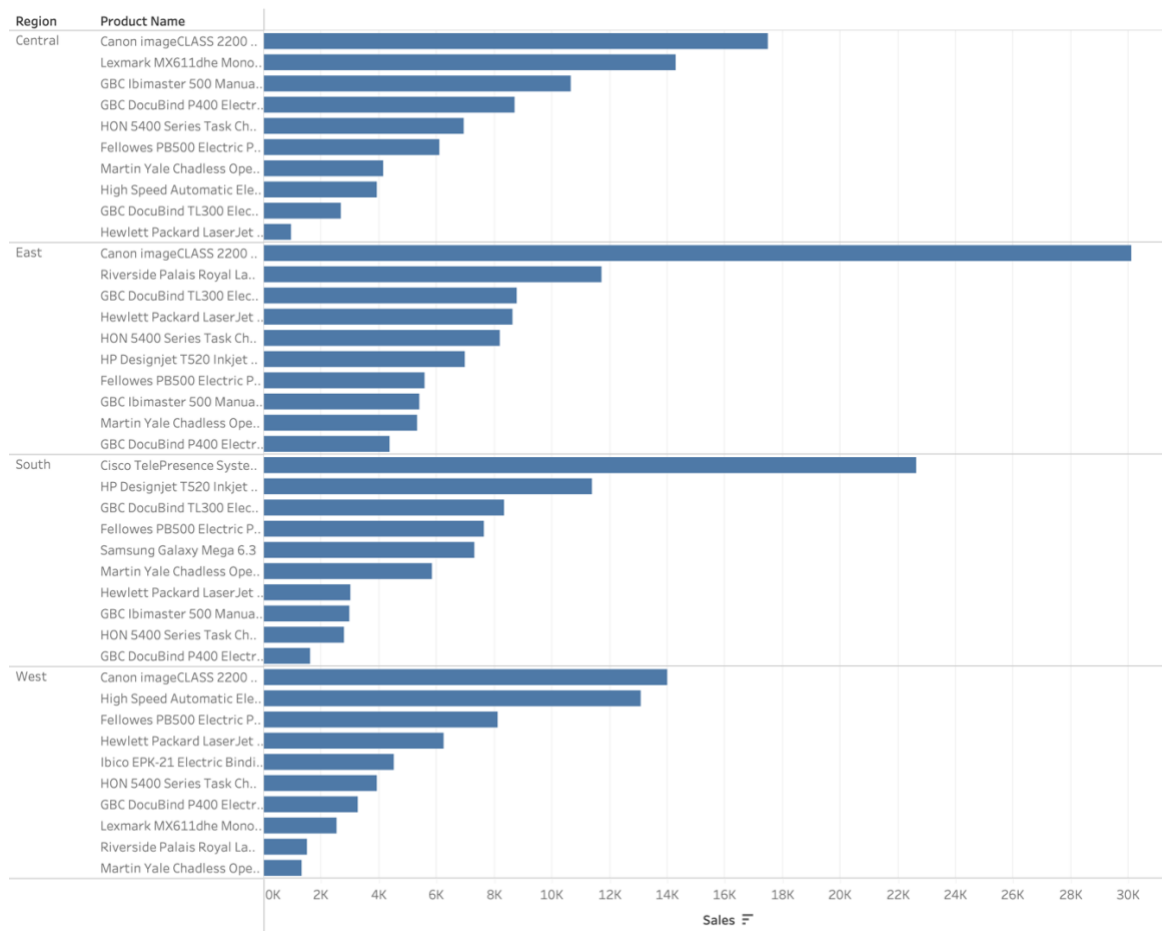A. SUBMIT THESE PAGES WITH YOUR CORRECT ANSWERS

B. SUBMIT A TABLEAU PACKAGED WORKBOOK WITH A SHEET PER QUESTION (WHEN APPLICABLE) SHOWING THE RATIONALE YOU USED TO SOLVE EACH QUESTION. NAME THE LABEL OF EACH WORKSHEET AS "Q4, Q5, Q6, ETC.)

1. 1. To connect to multiple tables in a single data source at one time, what must be specified?
   c. A blend
   d. A calculation
   e. A join
   f. A hierarchy

2. Tableau can create worksheet-specific filters.
   a. True
   b. False

3. What does the box in a box plot represent?
   a. Maximum extent of the data
   b. The range of the middle half of the data points
   c. The median of the middle half of the data points
   d. The outliers of the data

The following questions use the dataset Sample-Superstore Subset (Excel)

4. What is the percent of total Sales for the 'Home Office' Customer Segment in July of 2019?
   2.16%

5. Find the top 10 Product Names by Sales within each region. Which product is ranked #2 in both the Central & West regions in 2018?
   a. Top 10 by regions:

Q5

Region	Product Name	Sales
Central	Canon imageCLASS 2200 ..	
	Lexmark MX611dhe Mono..	
	GBC Ibimaster 500 Manua..	
	GBC DocuBind P400 Electr..	
	HON 5400 Series Task Ch..	
	Fellowes PB500 Electric P..	
	Martin Yale Chadless Ope..	
	High Speed Automatic Ele..	
	GBC DocuBind TL300 Elec..	
	Hewlett Packard LaserJet ..	
East	Canon imageCLASS 2200 ..	
	Riverside Palais Royal La..	
	GBC DocuBind TL300 Elec..	
	Hewlett Packard LaserJet ..	
	HON 5400 Series Task Ch..	
	HP Designjet T520 Inkjet ..	
	Fellowes PB500 Electric P..	
	GBC Ibimaster 500 Manua..	
	Martin Yale Chadless Ope..	
	GBC DocuBind P400 Electr..	
South	Cisco TelePresence Syste..	
	HP Designjet T520 Inkjet ..	
	GBC DocuBind TL300 Elec..	
	Fellowes PB500 Electric P..	
	Samsung Galaxy Mega 6.3	
	Martin Yale Chadless Ope..	
	Hewlett Packard LaserJet ..	
	GBC Ibimaster 500 Manua..	
	HON 5400 Series Task Ch..	
	GBC DocuBind P400 Electr..	
West	Canon imageCLASS 2200 ..	
	High Speed Automatic Ele..	
	Fellowes PB500 Electric P..	
	Hewlett Packard LaserJet ..	
	Ibico EPK-21 Electric Bindi..	
	HON 5400 Series Task Ch..	
	GBC DocuBind P400 Electr..	
	Lexmark MX611dhe Mono..	
	Riverside Palais Royal La..	
	Martin Yale Chadless Ope..	

Sales axis: 0K, 2K, 4K, 6K, 8K, 10K, 12K, 14K, 16K, 18K, 20K, 22K, 24K, 26K, 28K, 30K

Sales

Sum of Sales for each Product Name broken down by Region. The data is filtered on _Index, which includes values less than or equal to 10.

b. #2 in:
  i   Central: Ibico EPK-21 Electric Binding System
  ii West: Tennsco 6- and 18-Compartment Lockers

6. In the Technology Product Category, which unprofitable state is surrounded by only profitable states?
Colorado

7. If 2018 Sales numbers were expected to increase by 50% in the following year, what would be the total estimated sales for the Consumer Segment in 2019?
$256,779

8. In which Region do all Product Categories fall beneath the overall average profit?

In none of the regions

9. Which Product Sub-Category has a Shipping Cost to Sales ratio of above 3%?
No shipping cost in the dataset

10. Find the customer with the lowest overall profit. What is his/her profit ratio?
    a. Customer with the lowest overall profit: CS-12505   Cindy Stewart
    b. Profit ratio: -1.165

11. Determine which State in the Central Region has the highest distribution of profits using interquartile ranges.
    Oklahoma

12. Look at the sum of profits for each Product Sub-Category. Which sub-categories are below the average profit?
    Tables, Bookcases, Supplies, Fasteners, Machines, Labels, Art, Envelopes, Furnishings

13. What percent of total profits do the top 10 customer by Sales represent?
    14.36 %

14. What was the Moving Average of Sales in June of 2019, including six months prior and six months after?
    41,544