Exam Code: Desktop Certified Associate

Exam Name: Tableau Desktop Certified Associate

Exam A

QUESTION 1
Connect to the 'Global Superstore' data source and use the Orders table. Create a view showing sales over continuous months, find out which trend line model type provides the lowest R-squared value?

A. Linear
B. Exponential
C. Polynomial, Degree 2
D. Polynomial, Degree 3

Correct Answer: A
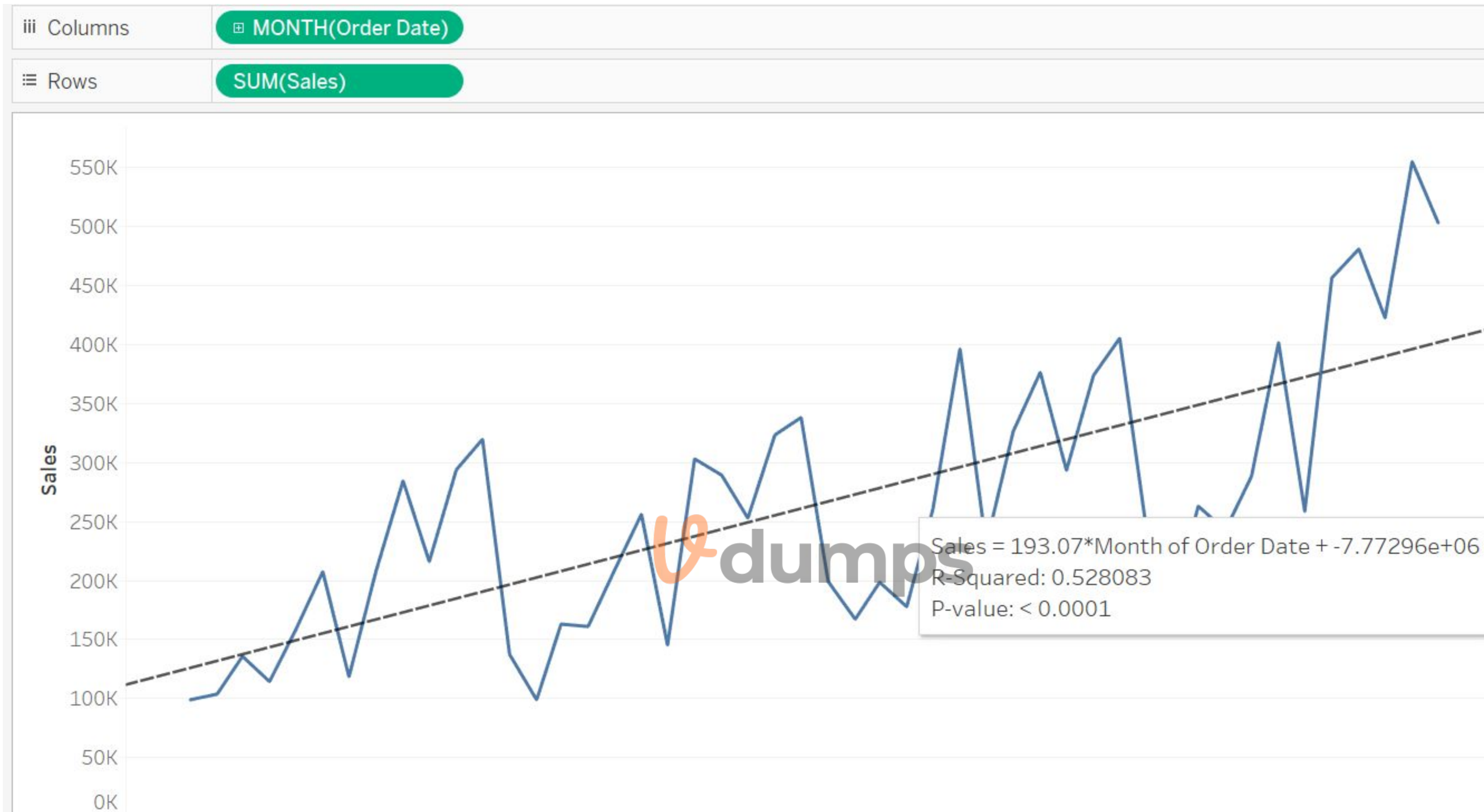**Section:**
Explanation:
Drop Order Date to the Columns and change it to continuous month. Drop sales to the rows.
Go to Analytics and drop the trend line. Check for all trend lines, Linear is having the lowest R Square.

Columns MONTH(Order Date)

Rows SUM(Sales)

Sales = 193.07*Month of Order Date + -7.77296e+06
R-Squared: 0.528083
P-value: < 0.0001

QUESTION 2
Connect to the 'Covid data' source. Create a line chart using continuous months and new deaths. Find the Excess Kurtosis for the sum of new deaths.
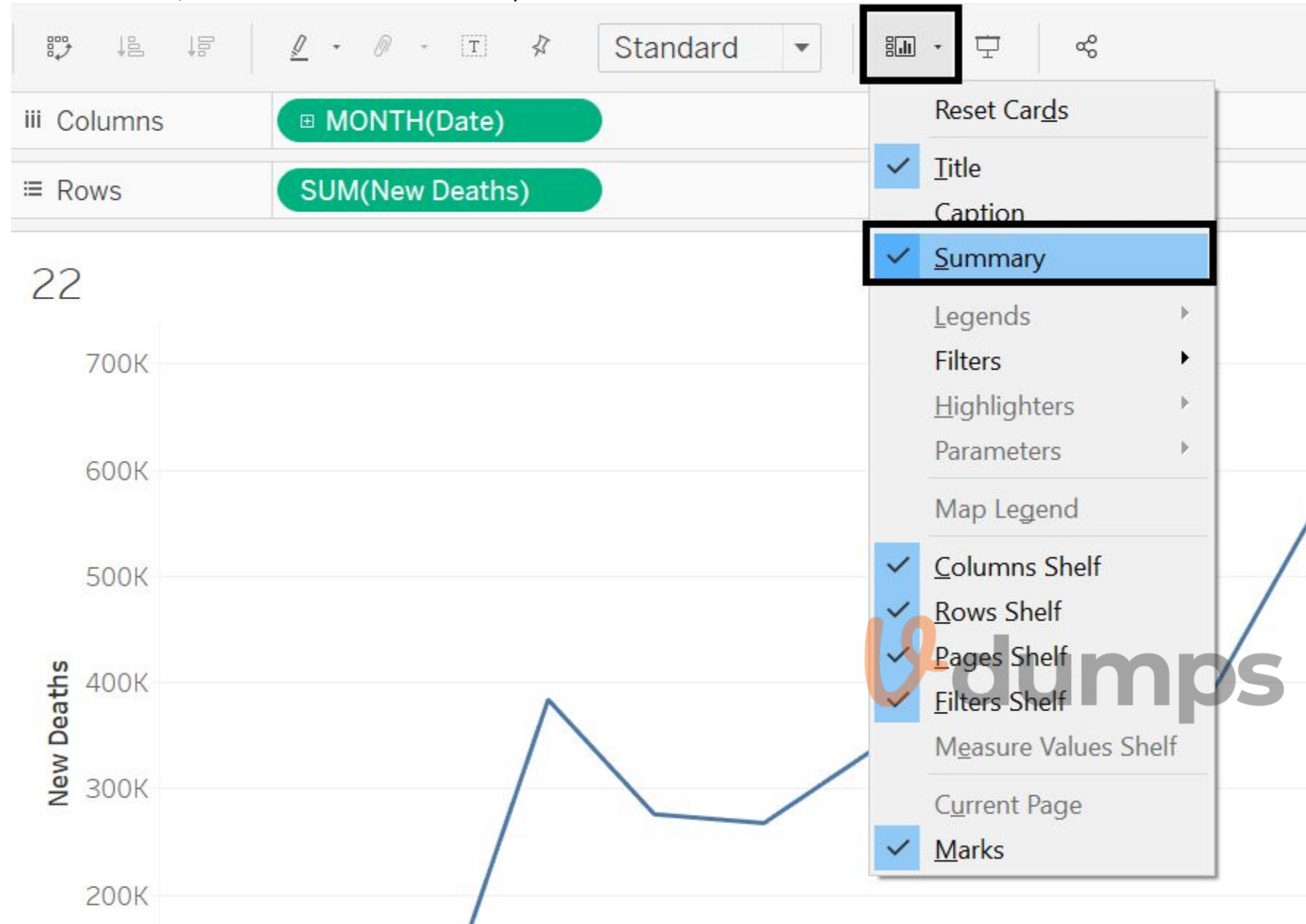
A. -0.56

B. -0.67

C. -0.69

D. -0.58

Correct Answer: B
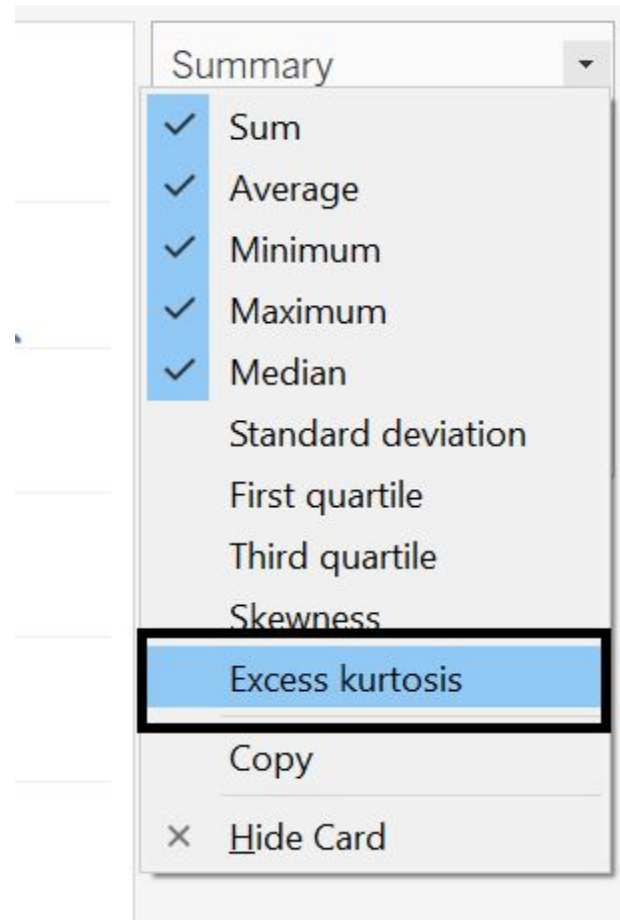**Section:**
Explanation:

Drop the Date to the columns and select the continuous month. Drop New Deaths to rows.
Click on the Show/Hide card and enable the Summary Card.

You will see the Summary Card on the right, if Excess Kurtosis is not enabled, click on the drop-down and select the Excess Kurtosis.

QUESTION 3
Connect to the 'Global Superstore' data source and use the Orders table. Create a hierarchy of Segment, Category, Region. Create a crosstab using this hierarchy and add profit, profit ratio fields. Which of the following are true from the below options?

A. The overall lowest profit ratio is of Central Asia region in Furniture Category and Corporate segment (among all the segments)
B. The Southern US is having the third-lowest profit ratio in Technology Category in Home Office Segment and it is having a profit value of $765
C. The Central Africa region is having a profit value of $10,709 in the Office Supplies category in the Corporate Segment
D. The overall highest profit ratio is of North Africa region in Technology Category and Corporate segment (among all the segments)

Correct Answer: A, B
Section:
Explanation:
Create a hierarchy of Segment, Category, Region and drop it into the rows.

Create profit ratio calculated field:

profit ratio   θ Orders (global_superstore)

```
SUM([Profit])/SUM([Sales])|
```

Drop the profit and profit ratio fields to the view, your view will look like this:

Pages		

iii Columns	Measure Names

≡ Rows	⊟ Segment	⊟ Category	Region ⋹

Filters

Measure Names

Marks

T Automatic ▼

Color	Size	Text

Detail	Tooltip

T Measure Values

Measure Values

SUM(Profit)

AGG(profit ratio)

Segment	Category	Region ⋹	Profit	profit r.. ⋹
Consumer	Furniture	Eastern Europe	10,423	26.62%
		Eastern Africa	4,337	25.17%
		Central Africa	6,316	24.85%
		Southern Africa	2,515	23.41%
		Canada	1,658	22.42%
		North Africa	7,365	22.32%
		Eastern Asia	25,984	17.78%
		Southern Asia	26,530	16.93%
		Northern Europe	11,979	14.29%
		Southern Europe	10,079	11.25%
		Oceania	20,045	9.06%
		Central America	17,945	7.72%
		Caribbean	4,346	7.30%
		Western Europe	18,274	7.26%
		Southern US	4,611	6.51%
		Western US	4,266	3.57%
		Eastern US	2,002	1.75%
		South America	1,390	1.04%
		Southeastern As..	-1,491	-0.91%
		Central US	-3,990	-4.63%
		Central Asia	-275	-18.85%
		Western Asia	-9,080	-20.93%
		Western Africa	-11,598	-57.34%
	Office Supplies	Canada	4,456	26.23%
		Eastern Europe	12,591	24.85%
		North Africa	11,662	24.67%
		Central Africa	6,813	23.98%

Now let's go through each answer option.
1) The overall lowest profit ratio is of Central Asia region in Furniture Category and Corporate segment - The profit ratio is -142.26% which is lowest overall so it is true.

2) The Southern US is having the third-lowest profit ratio in Technology Category in Home Office Segment and it is having a profit value of $765 - It is true, the profit ratio is 2.06%, which is third-lowest.

3) The Central Africa region is having a profit value of $10,709 in the Office Supplies category in the Corporate Segment - False, it is having a $2,245 profit.

4) The overall highest profit ratio is of North Africa region in Technology Category and Corporate segment - False

Note: This is an easy question but time consuming, so attempt these types of questions in the end.

QUESTION 4
How can we add Visualization in a tooltip?

A. Go to the Tooltip on the marks card, and click insert -> sheets

B. Go to the Worksheet menu, click on Tooltip and click Insert -> sheets

C. Go to the Format menu, click on Tooltip and click Insert -> sheets

D. Right Click on the view, Tooltip and add insert -> sheets

Correct Answer: A, B
Section:
Explanation:
Only 1 and 2 options are correct.
For these types of questions, please take the help of the Tableau software during your exam.

QUESTION 5
Connect to the 'Significant Volcano Eruption' data source. How many volcano eruptions took place in Luzon island of the Philippines in the 21st century in the first six months of each year?

A. 1

B. 2

C. 3

D. 4

Correct Answer: C
Section:
Explanation:
Add year and location filter as:

Filter [Year]   ✕

Range of values	At least	At most	Special

Range of values

2,000   2,014

-4360   2014

Show: Only Relevant Values ▾   ☐ Include Null Values

| Reset | | OK | Cancel | Apply |

Filter [Location]

Tabs: General | Wildcard | Condition | Top

○ Select from list ○ Custom value list ○ Use all

Enter search text

- ☐ Italy
- ☐ Izu Is-Japan
- ☐ Java
- ☐ Kamchatka
- ☐ Kermadec Is
- ☐ Kyushu-Japan
- ☐ Lesser Sunda Is
- ☑ Luzon-Philippines
- ☐ Mariana Is-C Pacific
- ☐ Peru
- ☐ Red Sea

[All] [None]   ☐ Exclude

Drop Name, year, month to the rows. Change year and month to discrete from continuous.

Pages

Columns

Rows: Name | Year | Month

Filters:
- Year
- Location: Luzon-Phili..

Name	Year	Month	
Bulusan	2006	6	Abc
	2011	2	Abc
Mayon	2006	7	Abc
	2013	5	Abc

Marks

⊤ Automatic ▼

So, 3 volcano eruptions took place in Luzon island of the Philippines in the 21st century in the first six months of each year.

You can also use the map view to get the results, here I added the month filter as well and drop the count of records to the text.

Pages

Columns AVG(Longitude)

Rows AVG(Latitude)

Filters
- Location: Luzon-Phili..
- Year
- Month

Marks

○ Automatic ▼

Color | Size | Label

Detail | Tooltip

T Name

T SUM(Number ..

Map showing Camarines Sur, Albay, Mayon 1, Sorsogon, Bulusan 2
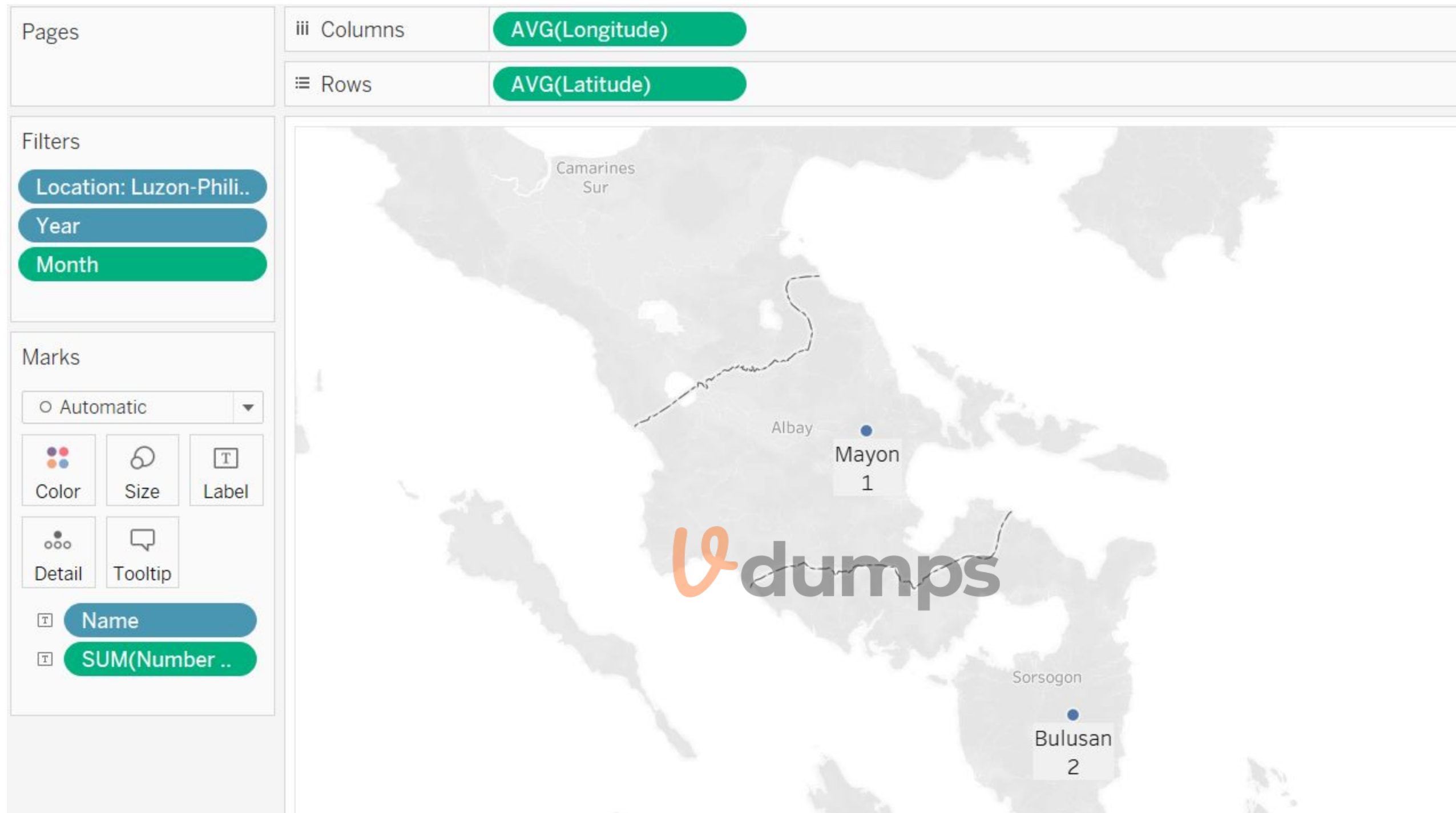
QUESTION 6

Blend the Significant Volcano Eruption dataset with the Country population dataset using year and country. Find out which country is having 4 volcano eruptions in the year 1963 and what was the population of this country in the same year?

A. Indonesia and 95,055,669

B. Japan and 96,812,000

C. Indonesia and 9,103,406,453

D. Japan and 9,103,406,453

Correct Answer: A
Section:
Explanation:

Add the Country population excel sheet as a New Data Source.
Select column 1960 to 2013, click on Pivot.

			1960				1964	1965	1966	1967	1968	
⊕ Data Country Co...	Abc Data Indicator N...	Abc Data Indicator C...	# Data 1960				# Data 1964	# Data 1965	# Data 1966	# Data 1967	# Data 1968	# Data 19
ABW	Population, t...	SP.POP.TOTL	54,20	Rename	56,697	57,029	57,360	57,712	58,049	58,385		
AND	Population, t...	SP.POP.TOTL	13,41	Copy Values Hide	16,410	17,470	18,551	19,646	20,755	21,888		
AFG	Population, t...	SP.POP.TOTL	8,994,79	Create Calculated Field... Pivot Merge Mismatched Fields	9,531,555	9,728,645	9,935,358	10,148,841	10,368,600	10,599,790		
AGO	Population, t...	SP.POP.TOTL	5,270,844	5,367,287	5,465,905	5,565,808	5,665,701	5,765,025	5,863,568	5,962,831	6,066,094	
ALB	Population, t...	SP.POP.TOTL	1,608,800	1,659,800	1,711,319	1,762,621	1,814,135	1,864,791	1,914,573	1,965,598	2,022,272	
ARE	Population, t...	SP.POP.TOTL	92,612	100,985	112,240	125,216	138,220	150,318	161,077	171,781	185,312	
ARG	Population, t...	SP.POP.TOTL	20,619,075	20,953,079	21,287,682	21,621,845	21,953,926	22,283,389	22,608,747	22,932,201	23,261,273	

Sort fields Data source order ▼   ☐ Show aliases   ☐ Show hidden fields   215   → rows

Rename the new fields as Year and population.
Go to Data ->Edit Blend Relationship
Click on Custom and Add

Ensure the blend relationship exists in Country & Country Name, and year & year between primary and secondary data sources.

Drop the year to the filters shelf and only enter 1963.

Drop Country and Number of Records / volerup(Count) field to the view.

And drop population to the view from the secondary data source. Your view will look like this:

QUESTION 7
How to create custom territories on a map?

A. Create a territory from a geographic field
B. By using a background image on a map
C. Select and group locations on a map
D. Geocode a territory field using another geographic field

Correct Answer: A, C, D
Section:
Explanation:
Refer: https://help.tableau.com/current/pro/desktop/en-us/maps_custom_territories.htm

QUESTION 8
Using which options you can automatically add the phone layouts on your dashboard?

A. choose Dashboard > Add Phone Layouts to Existing Dashboards
B. In device preview mode, check the Tableau mobile app
C. choose Dashboard > Add Phone Layouts to New Dashboards
D. Select Size and then choose Phone

Correct Answer: A, C
Section:
Explanation:
Automatically add phone layouts
Two options let you automatically add phone layouts:
To create phone layouts whenever you open old dashboards that lack them, choose Dashboard > Add Phone Layouts to Existing Dashboards
To create phone layouts whenever you create a new dashboard, choose Dashboard > Add Phone Layouts to New Dashboards. (This option is on by default.)
Refer: https://help.tableau.com/current/pro/desktop/en-us/dashboards_dsd_create.htm

QUESTION 9
Using the Profit Analysis Dashboard twbx file, find out the 5th most profitable product in the state of New York? You can add the functionality to the dashboard.

A. GBC DocuBind TL300 Electric Binding System
B. Canon imageCLASS 2200 Advanced Copier
C. Fellowes PB500 Electric Punch Plastic Comb Binding Machine with Manual Bind
D. HP Designjet T520 Inkjet Large Format Printer - 24' Color

Correct Answer: A
Section:
Explanation:
Select New York State, you are getting only 3 products, and not 5.

# Profit Analysis Dashboard

Select the year

(All) ▼

Select the region

☑ (All)
☑ Central
☑ East
☑ South
☑ West

Profit by State

Select the state(s) on the map to drill down

Profit

($25,729) █████ $76,381

© 2021 Mapbox © OpenStreetMap

Profit over time

Profit

$8,000
$6,000
$4,000
$2,000
$0

2016 2017 2018 2019 2020

Month of Order Date

Top 5 Profitable Products

Product Name

Canon imageCLASS 2200 Advanced Copier — $3,920

HP Designjet T520 Inkjet Large Format Printer - 24".. — $2,240

Fellowes PB500 Electric Punch Plastic Comb Bindin.. — $1,144

$0 $1,000 $2,000 $3,000 $4,000
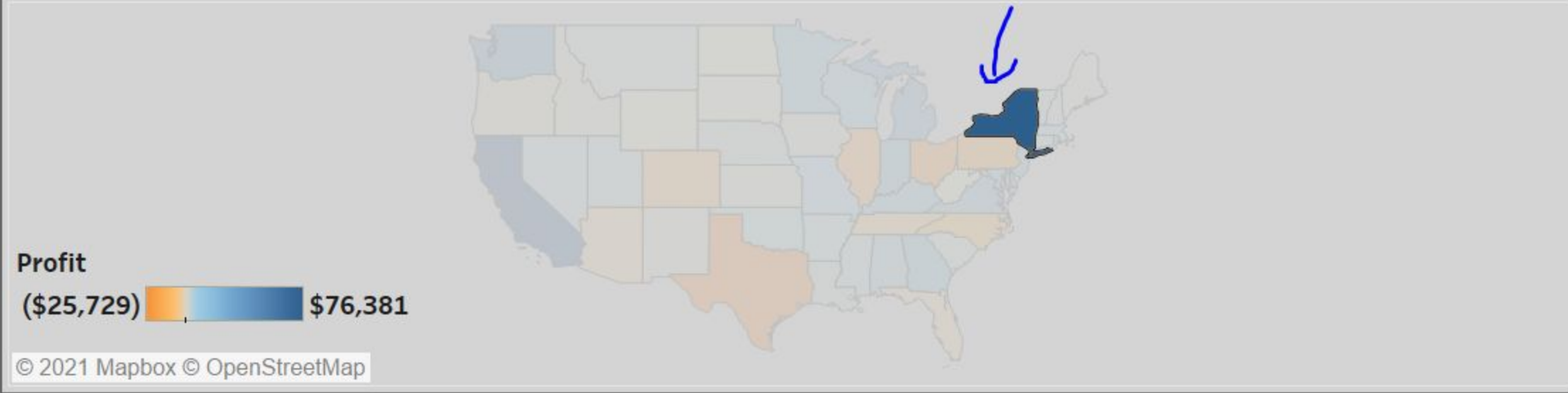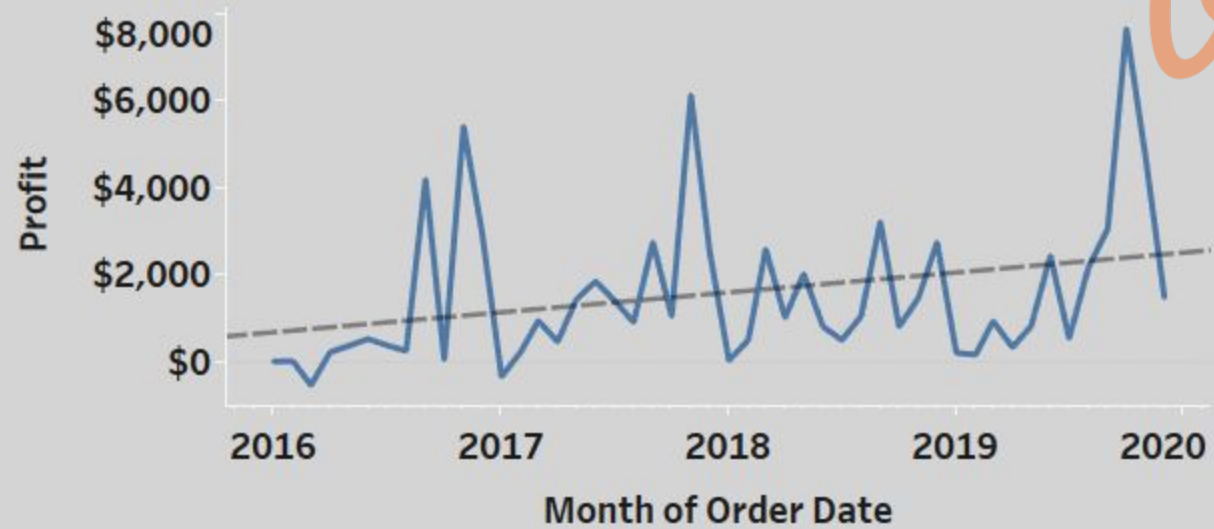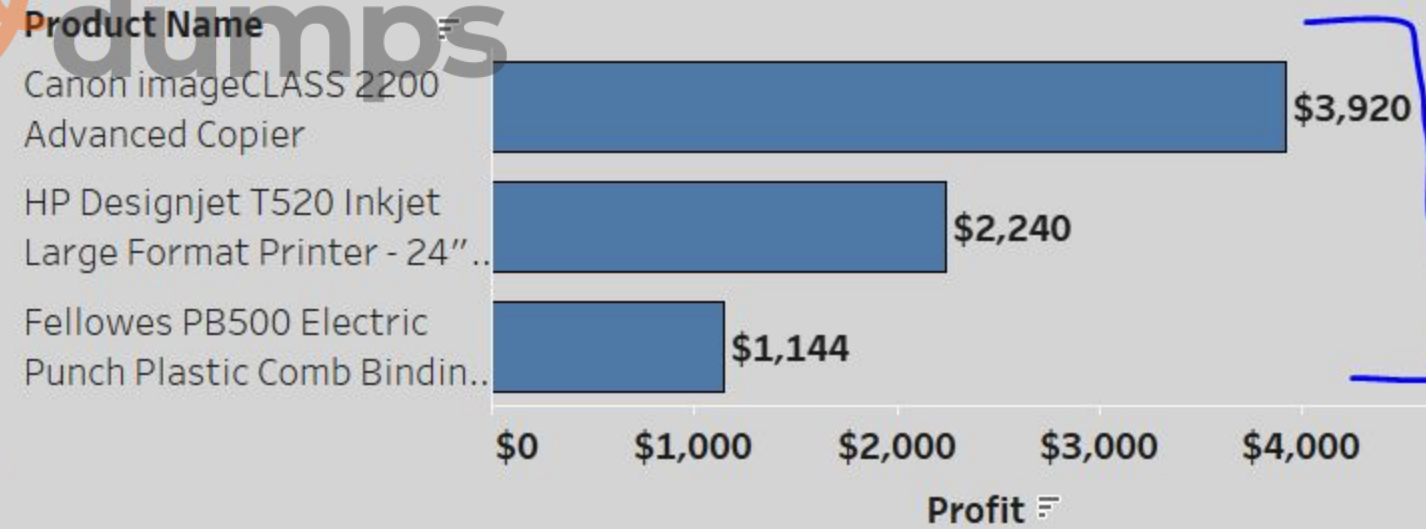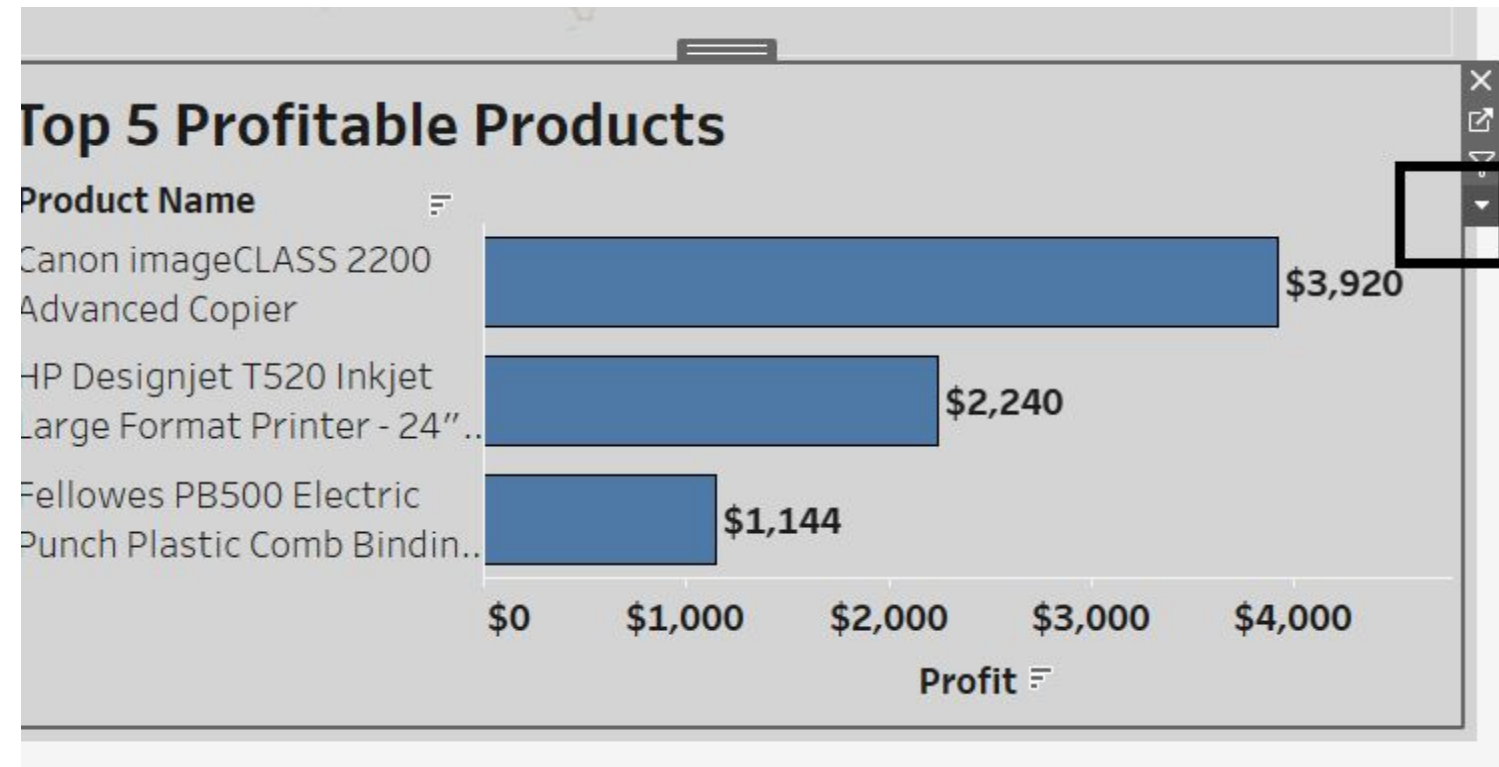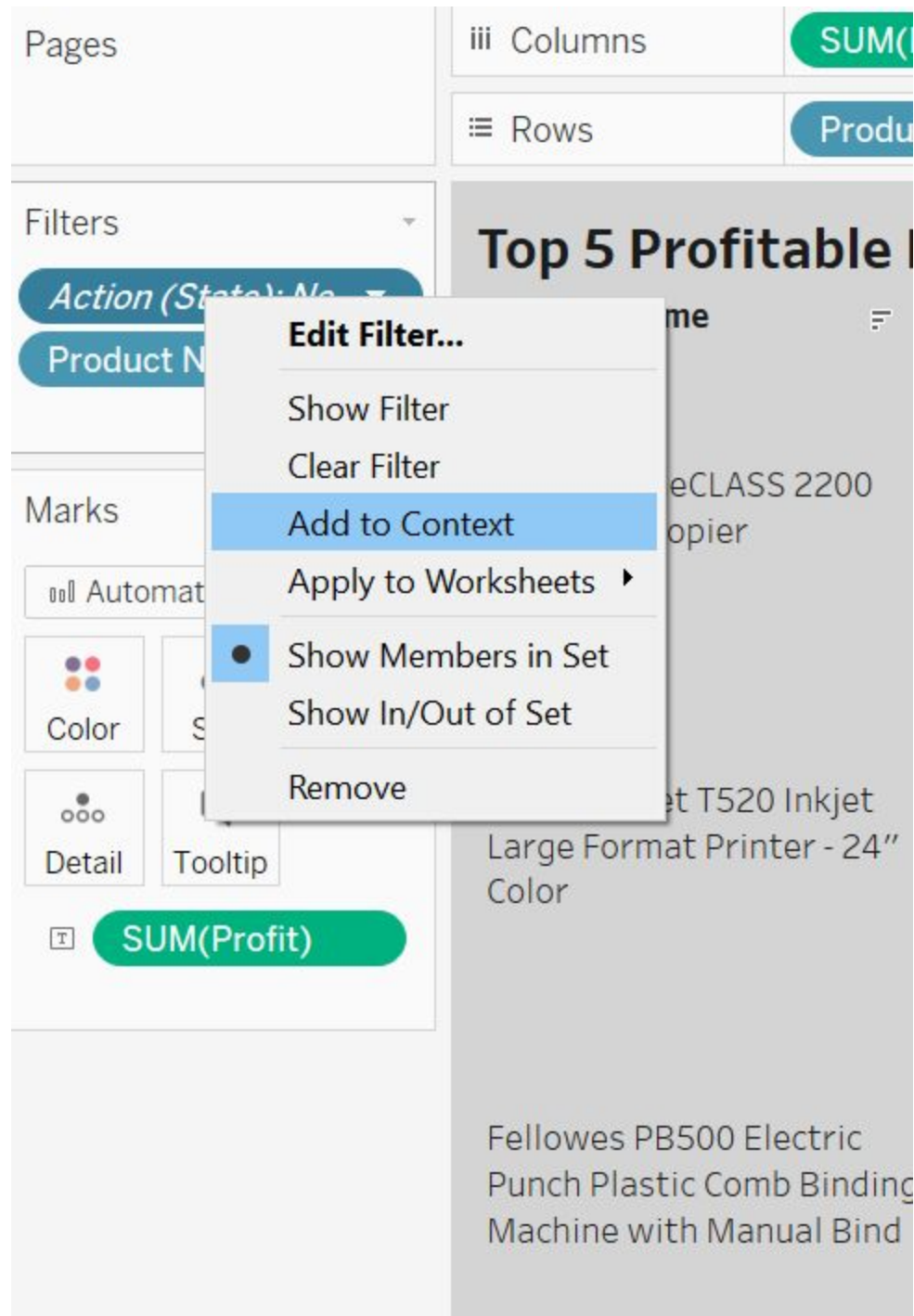
Profit

You need to add State as a Context filter in the Top 5 profitable products View. For that, go to the Top 5 profitable products sheet. (click on small arrow)
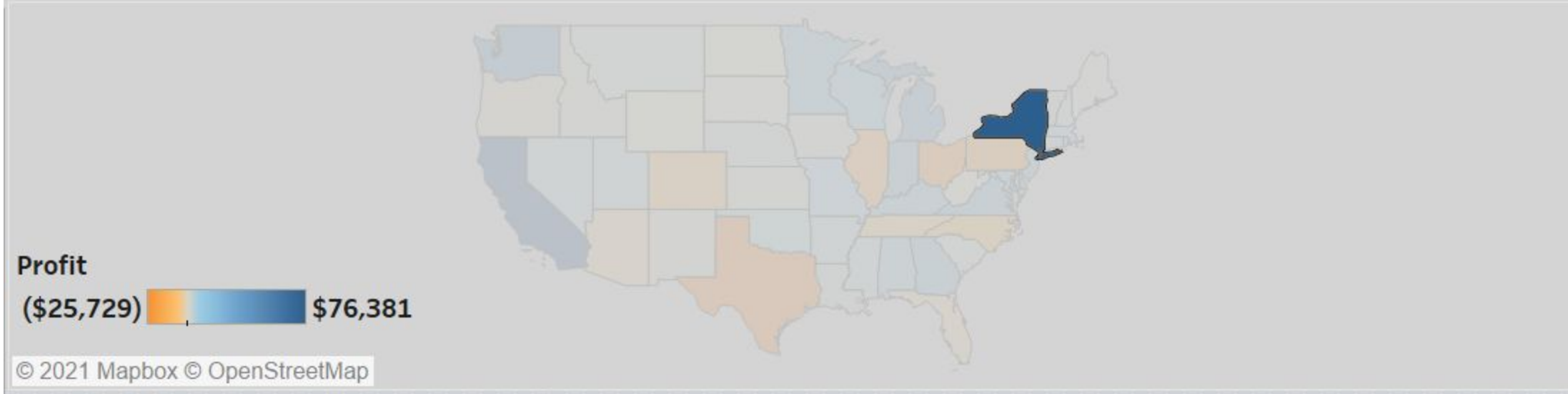
Top 5 Profitable Products

Product Name	Profit
Canon imageCLASS 2200 Advanced Copier	$3,920
HP Designjet T520 Inkjet Large Format Printer - 24"..	$2,240
Fellowes PB500 Electric Punch Plastic Comb Bindin..	$1,144

Select Add to Context on the State filter

Pages

Columns   iii   SUM(

Rows   ☰   Produ

Filters   ▼

Top 5 Profitable

Action (State): No ▼

Product N

Edit Filter...
Show Filter
Clear Filter
Add to Context
Apply to Worksheets ▶
● Show Members in Set
Show In/Out of Set
Remove

me   ☰

Marks

Automat

Color   S

Detail   Tooltip

Ⓣ SUM(Profit)

eCLASS 2200
opier

et T520 Inkjet
Large Format Printer - 24"
Color

Fellowes PB500 Electric
Punch Plastic Comb Binding
Machine with Manual Bind

V dumps

Profit Analysis Dashboard

Profit by State
Select the state(s) on the map to drill down

Profit
($25,729) — $76,381

© 2021 Mapbox © OpenStreetMap

Month of Order Date

Top 5 Profitable Products

Product Name	Profit
Canon imageCLASS 2200..	$3,920
Ativa V4110MDD Micro-C..	$3,773
Zebra ZM400 Thermal Lab..	$3,344
HP Designjet T520 Inkjet L..	$2,240
GBC DocuBind TL300 Elect..	$2,180

Profit
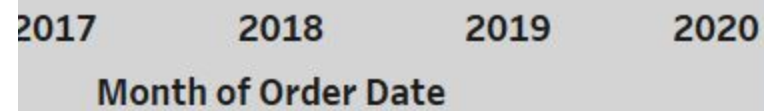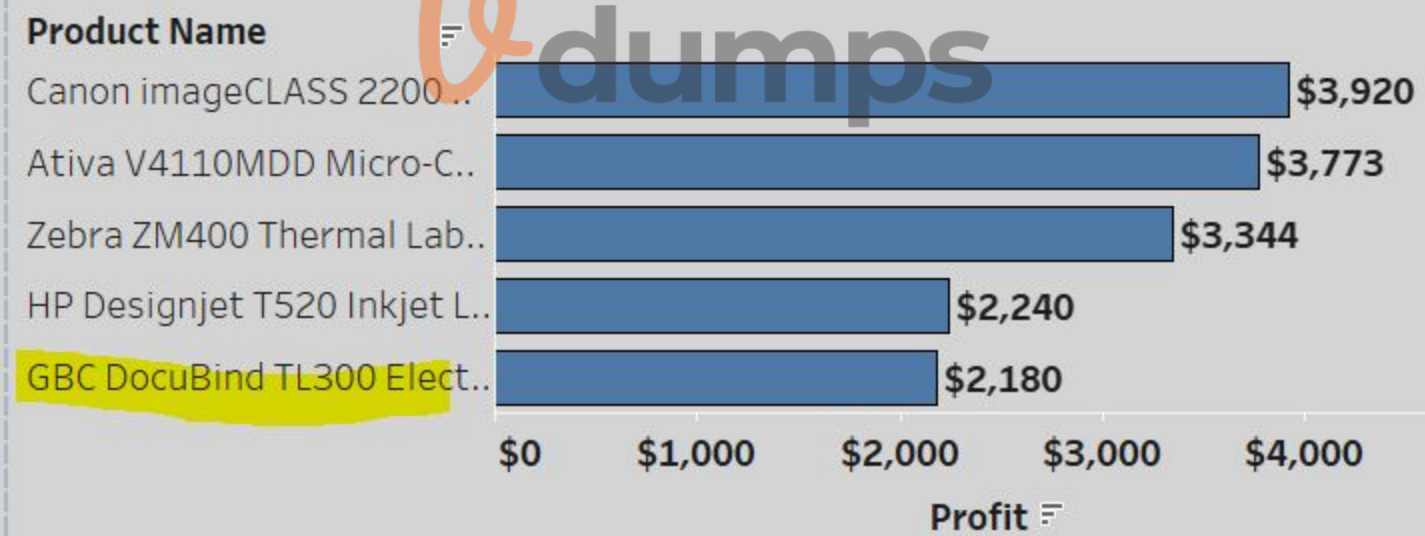
QUESTION 10
Connect to the 'Significant Volcano Eruption' data source. How many volcano eruptions took place within 30 miles of the Black Peak volcano in the Alaska Peninsula?

A. 0
B. 1
C. 2
D. 3

Correct Answer: A
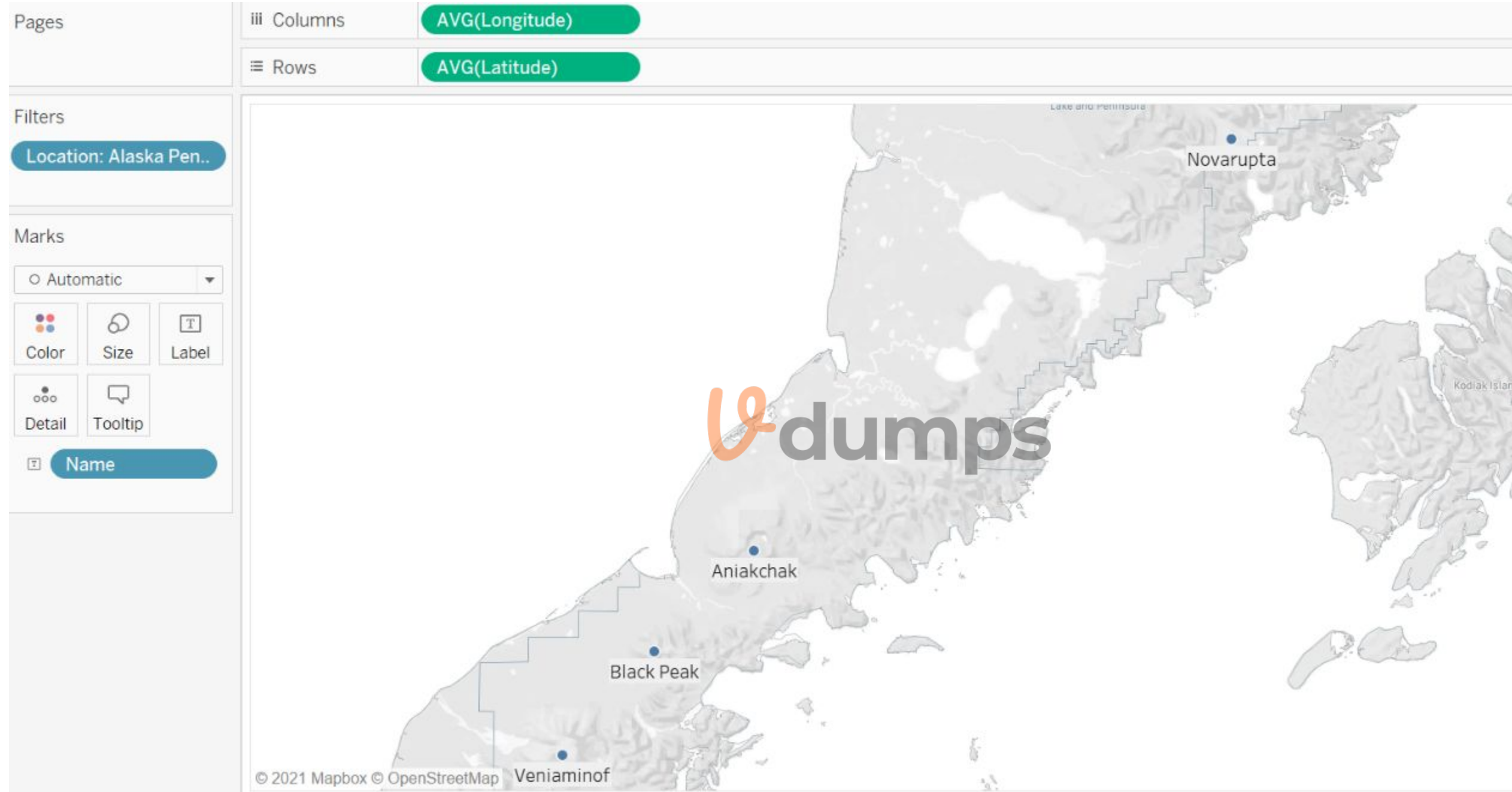
Section:
Explanation:
Add the Latitude to Rows and Longitude to columns. Or double click on these fields.

Don't use Latitude (generated)/Longitude (generated) fields.

Drop Location to filter and select 'Alaska Peninsula'

Drop Name to the Label Marks card.

Your view will look like this:

Use the radial selection tool to find the number of volcano eruptions that took place within 30 miles of the Black Peak volcano. You need to zoom-in first, only then you would be able to find the distance using a radial selection tool.
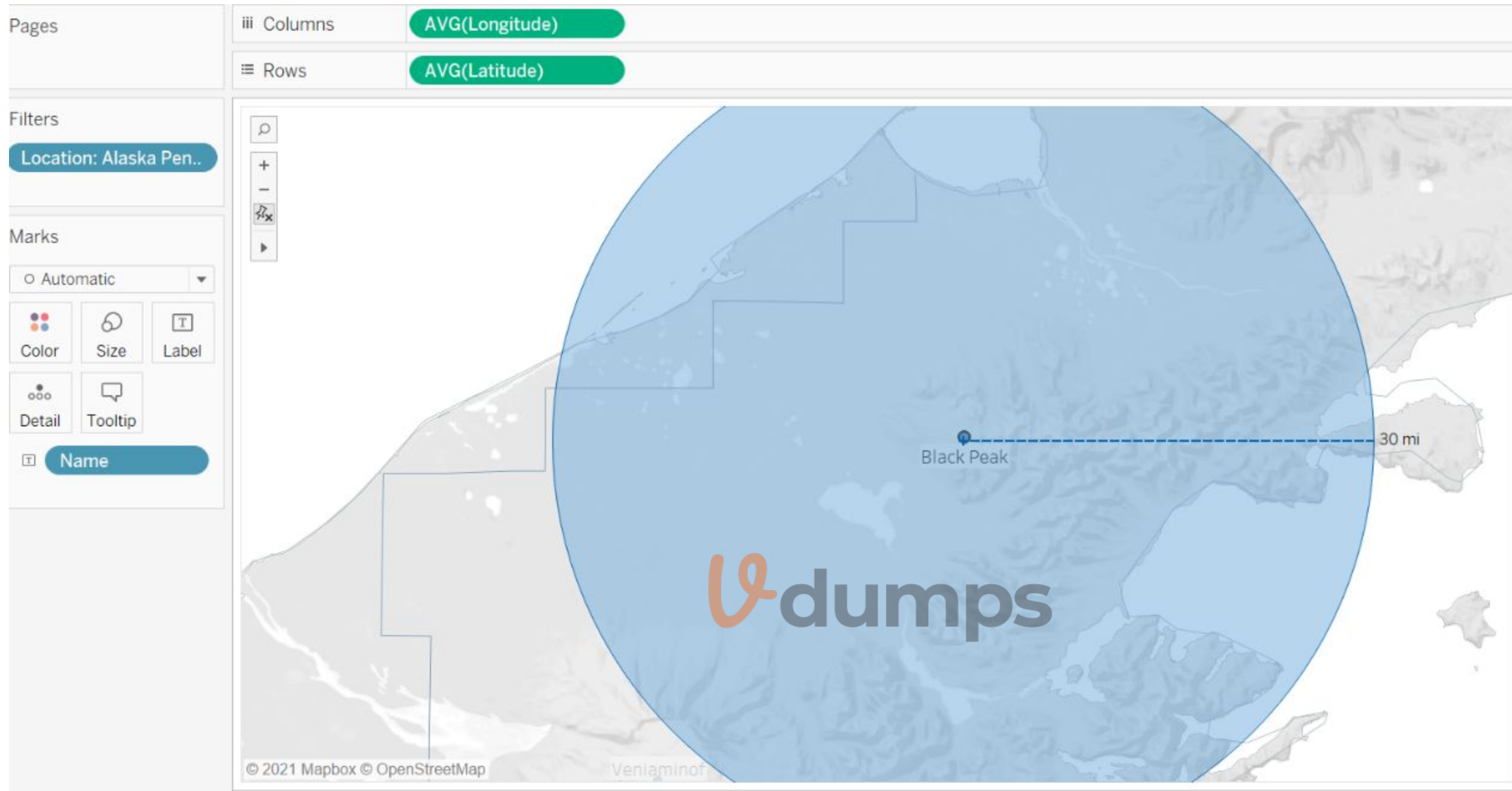
There were no eruptions that took place with 30 miles of Black Peak.

QUESTION 11
Which of the following map layers are available in Tableau?

A. Neighborhoods
B. Points of Interest
C. Cities Borders
D. Area Code Labels

Correct Answer: A, B, D
Section:
Explanation:
Go to the Map -> Map Layer
Cities Borders is not valid.

Map Layers

- ☑ County Names
- ☐ Zip Code Boundaries
- ☐ Zip Code Labels
- ☑ Area Code Boundaries
- ☑ ==Area Code Labels==
- ☑ US Metro Boundaries (...
- ☑ US Metro Labels (CBSA)
- ☑ Water Labels
- ☑ Cities
- ☐ ==Points of Interest==
- ☐ ==Neighborhoods==
- ☐ Building Footprints

QUESTION 12
Connect to the Olympic Athletes data source, find out how many countries participated in 5 different sports from 2000 to 2012?

A. 7
B. 8
C. 9
D. 10

Correct Answer: B
Section:
Explanation:
First, find the distinct sports for each country:

| _fix country | ⊖ OlympicAthletes (Olympic Athletes) |

```
{FIXED [Country] : COUNTD([Sport])}|
```

It will be created as a Measure, move this to Dimension
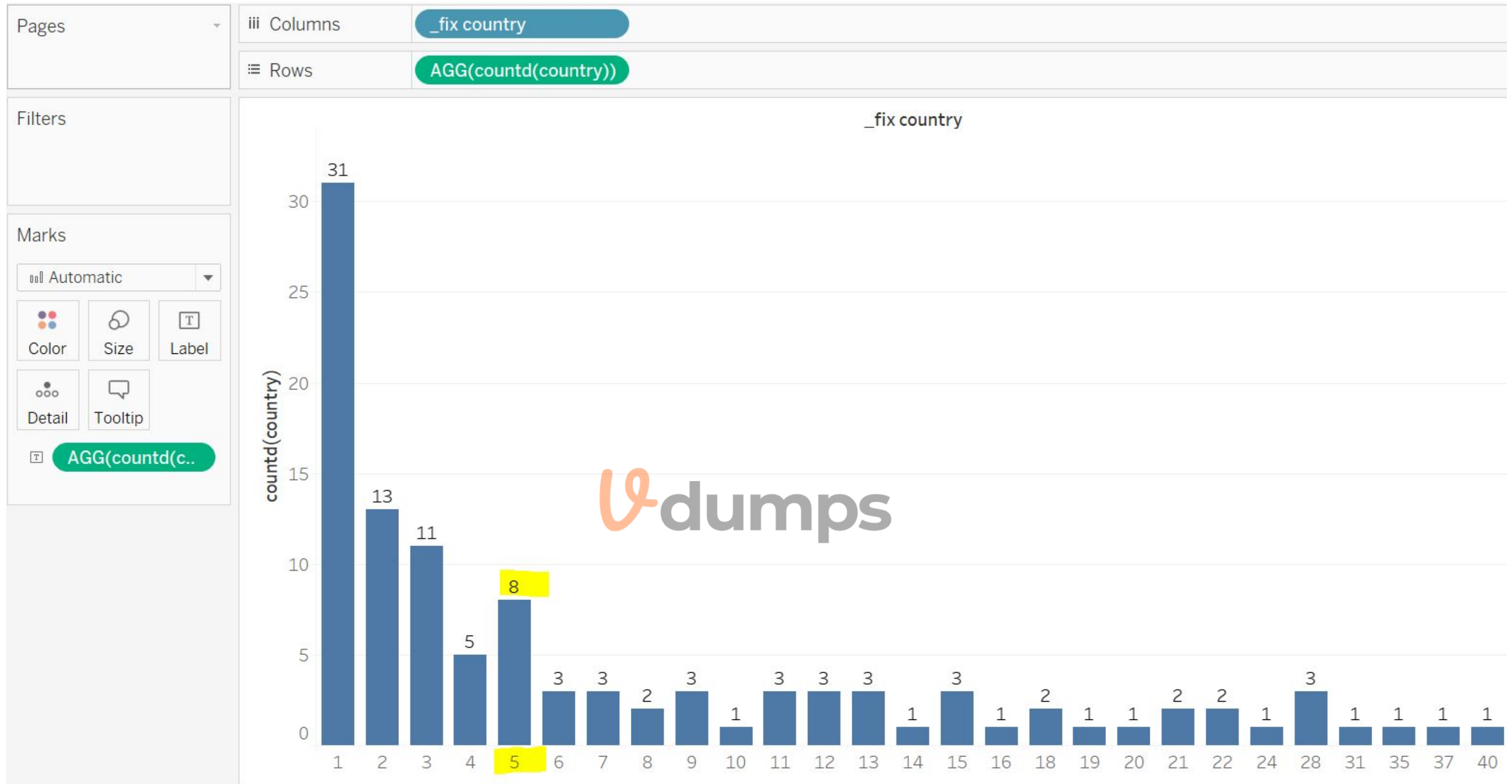Get the distinct countries:

| _fix country | ⊖ OlympicAthletes (Olympic Athletes) |

```
{FIXED [Country] : COUNTD([Sport])}|
```

drop these columns to the view, final view will look like this:
The X-axis represents a number of distinct sports. As the data set contains data from 2000 to 2012, so even if you don't include the filter, your answer would remain the same.

Pages

Filters

Marks

ıll Automatic ▼

Color · Size · Label

Detail · Tooltip

T AGG(countd(c..

iii Columns — _fix country

≡ Rows — AGG(countd(country))

_fix country

QUESTION 13
Connect to the Olympic Athletes data source, find out the average age of players who won at least one gold medal for the country?

A. 26.33 (Correct)
B. 26.41
C. 26.72
D. 26.02

Correct Answer: A

Section:
Explanation:
Drop the Age to the columns and change the aggregation to AVG.
Drop Gold Medals field to filter and select All values ->

Filter [Gold Medals]   ✕

| ⬌ Range of values | ⬌ At least | ⬌ At most | ⊛ Special |

Range of values

1   8

○————————————————————————————————○
0   8

Show: Only Relevant Values ▼   ☐ Include Null Values

Reset   OK   Cancel   Apply

Change 1 from 0.

Pages

Columns   AVG(Age)

Rows

Filters

Gold Medals

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

Avg. Age: **26.33**
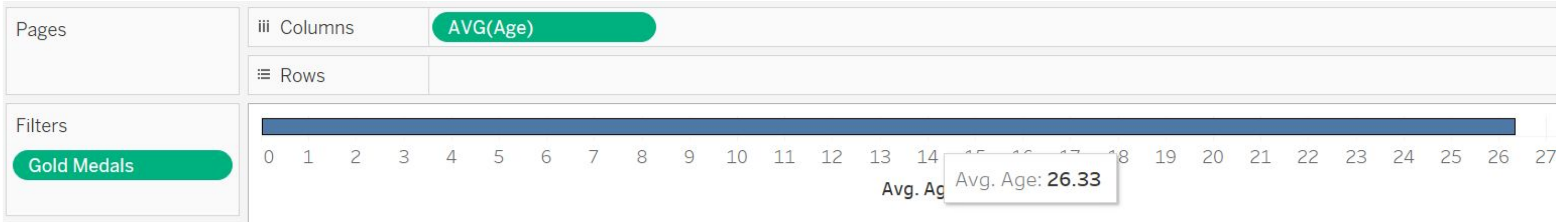
QUESTION 14
Connect to the 'Significant Volcano Eruption' data source. What is the interquartile range of the distribution of Total Injuries data of the 21st century (show null values at default location)?

A. 32
B. 48
C. 30
D. 42

Correct Answer: C
Section:

Explanation:
Drop year to filter shelf and select from 2000.
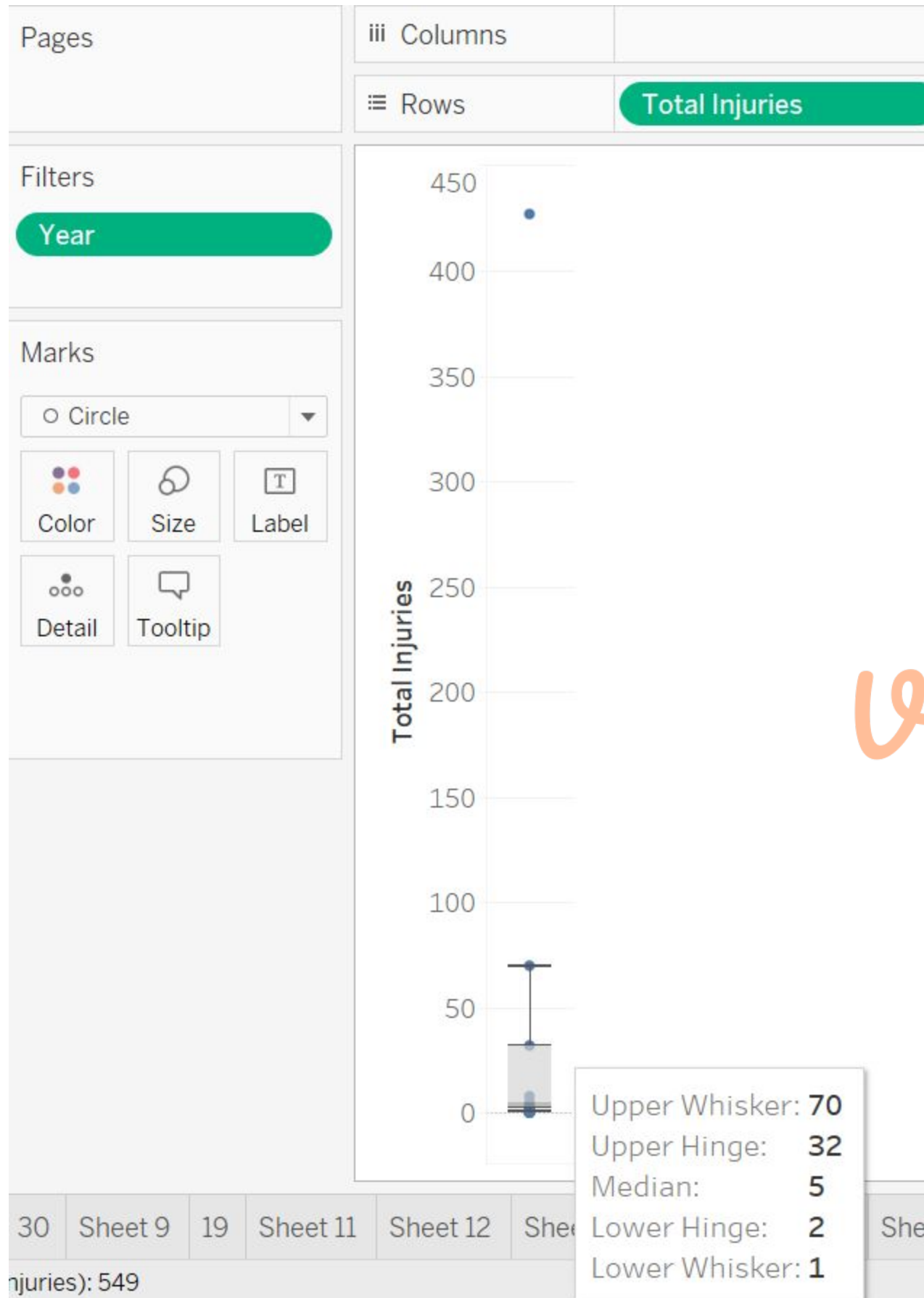

Drop Total injuries field to rows, go to Analysis -> Aggregated Measures (Untick this, it will disaggregate the total injuries field.
Click on Show Me, and select Box and whisker Plot.
IQR = Upper hinge - Lower hinge

ijuries): 549

Here IQR = 32 -2 = 30

QUESTION 15

Using the Sales Analysis Dashboard, If you click on any of the products, it should navigate to the All Products worksheet. How you will accomplish it?

A. Go to Dashboard->Actions and create the go to URL action
B. Go to Dashboard->Actions and create the go to sheet action
C. Go to Dashboard->Actions and create the Highlight action
D. Right-click on the view, go to format, and provide the URL.

Correct Answer: D
Section:
Explanation:
Go to Dashboard->Actions and create the go to sheet action

QUESTION 16
Which of the following are the valid dashboard actions in Tableau?

A. URL action
B. Filter action
C. Hover action
D. Select action

Correct Answer: A, B
Section:
Explanation:

Actions

Actions let you create interactive relationships between data, dashboard objects, other workbook sheets, and the web.

Name	Run On	Source	Fields

Add Action >

- ▽ Filter...
- ✎ Highlight...
- ⊕ Go to URL...
- ↗ Go to Sheet...
- -○- Change Parameter...
- ⊘ Change Set Values...

☐ Show action

OK   Cancel

Remove
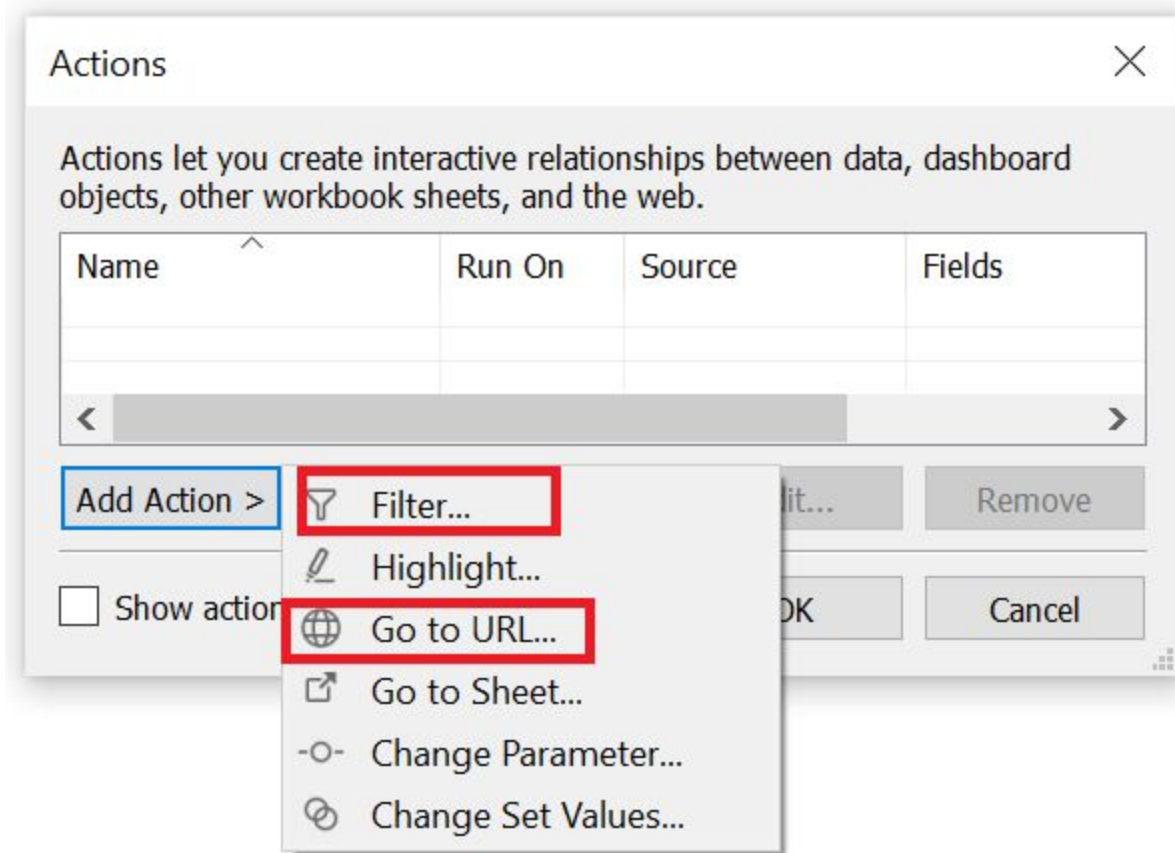
QUESTION 17
Extract can't be created in which of the scenario?

A. When you perform cross-database joins
B. When you perform the blend
C. When you perform the union
D. When you perform the traditional join

Correct Answer: B
Section:
Explanation:
A blend is worksheet-specific, so you cannot create the extract while creating a blend.

QUESTION 18
Connect to the 'Global Superstore' data source and use the Orders table. Create a bar in bar chart and compare the profit against the target profit for Canada Region. Consider target profit is 30% of the sales. Which of the following sub-categories has met or exceed the target profit?

A. Tables
B. Paper
C. Labels
D. Copiers

Correct Answer: A, C, D
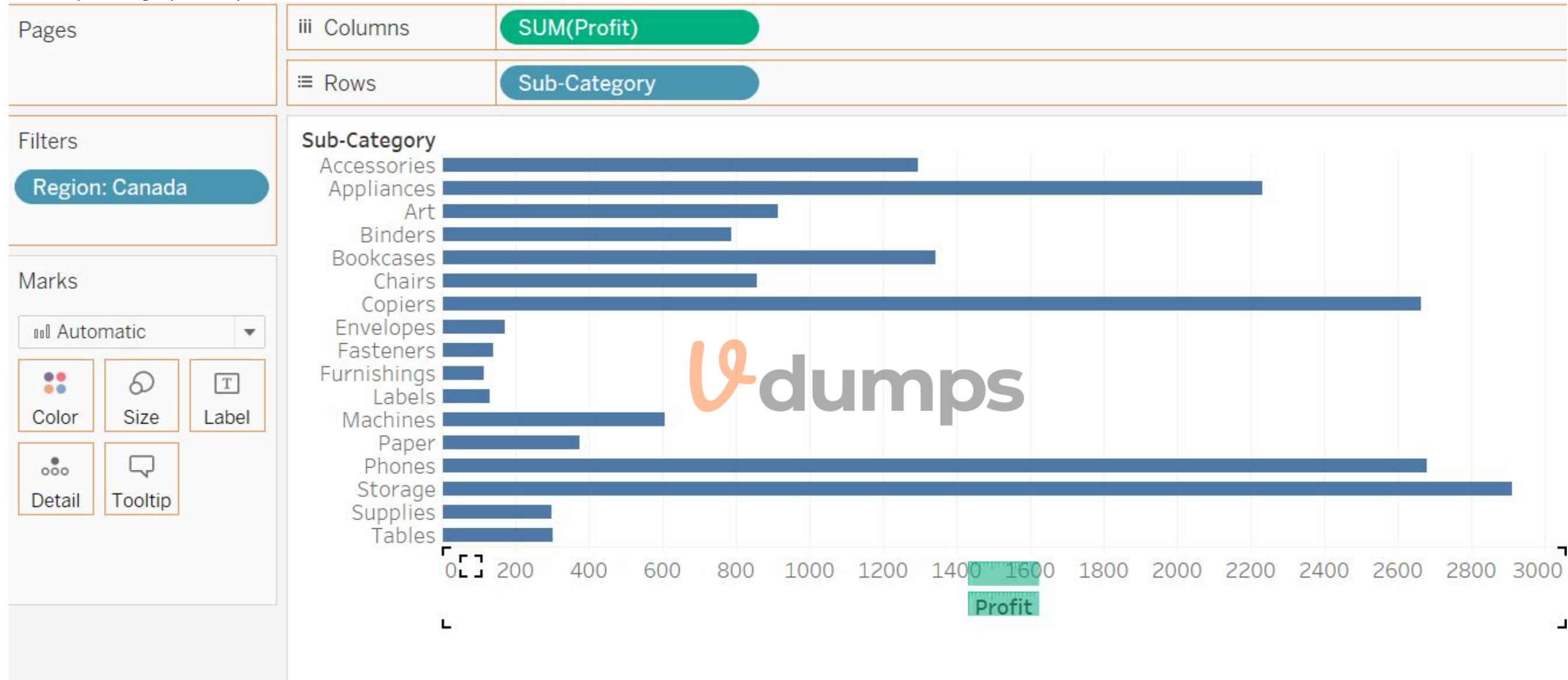**Section:**
Explanation:

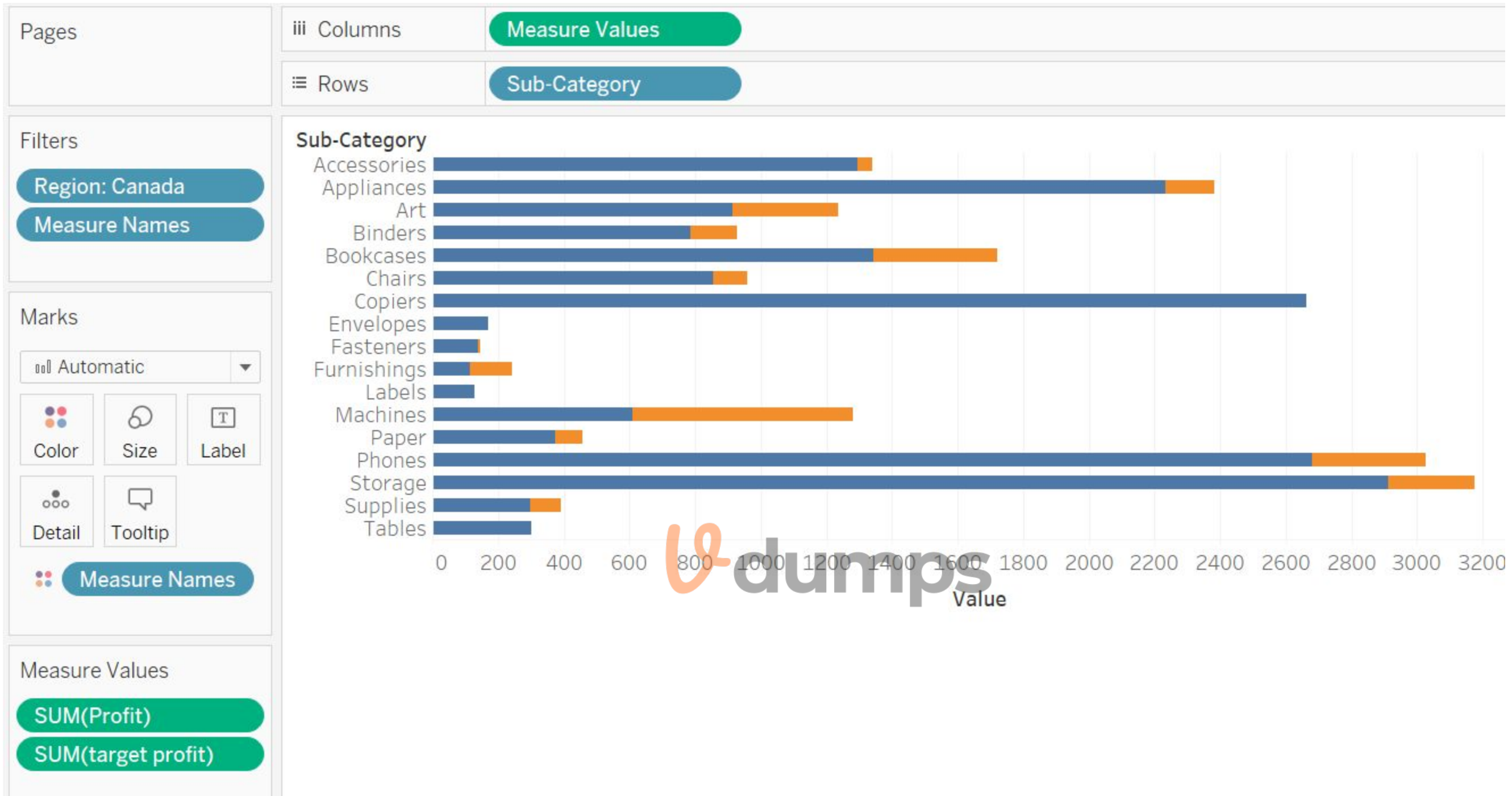| target profit	⊖ Orders (global_superstore)

```
[Sales] * .30
```

Drop Region at the filter and Select Canada
Drop Profit to columns and Sub-Category to Rows
Then drop the target profit to profit axis, it will create the combined axis chart.

Pages		iii Columns	SUM(Profit)
		≡ Rows	Sub-Category

Filters

Region: Canada

Marks

ıoıl Automatic ▼

Color	Size	Label
Detail	Tooltip	

Sub-Category
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Copiers
Envelopes
Fasteners
Furnishings
Labels
Machines
Paper
Phones
Storage
Supplies
Tables

0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000

Profit

Now drop the Measure Names field from the Rows to the Color Marks Card.
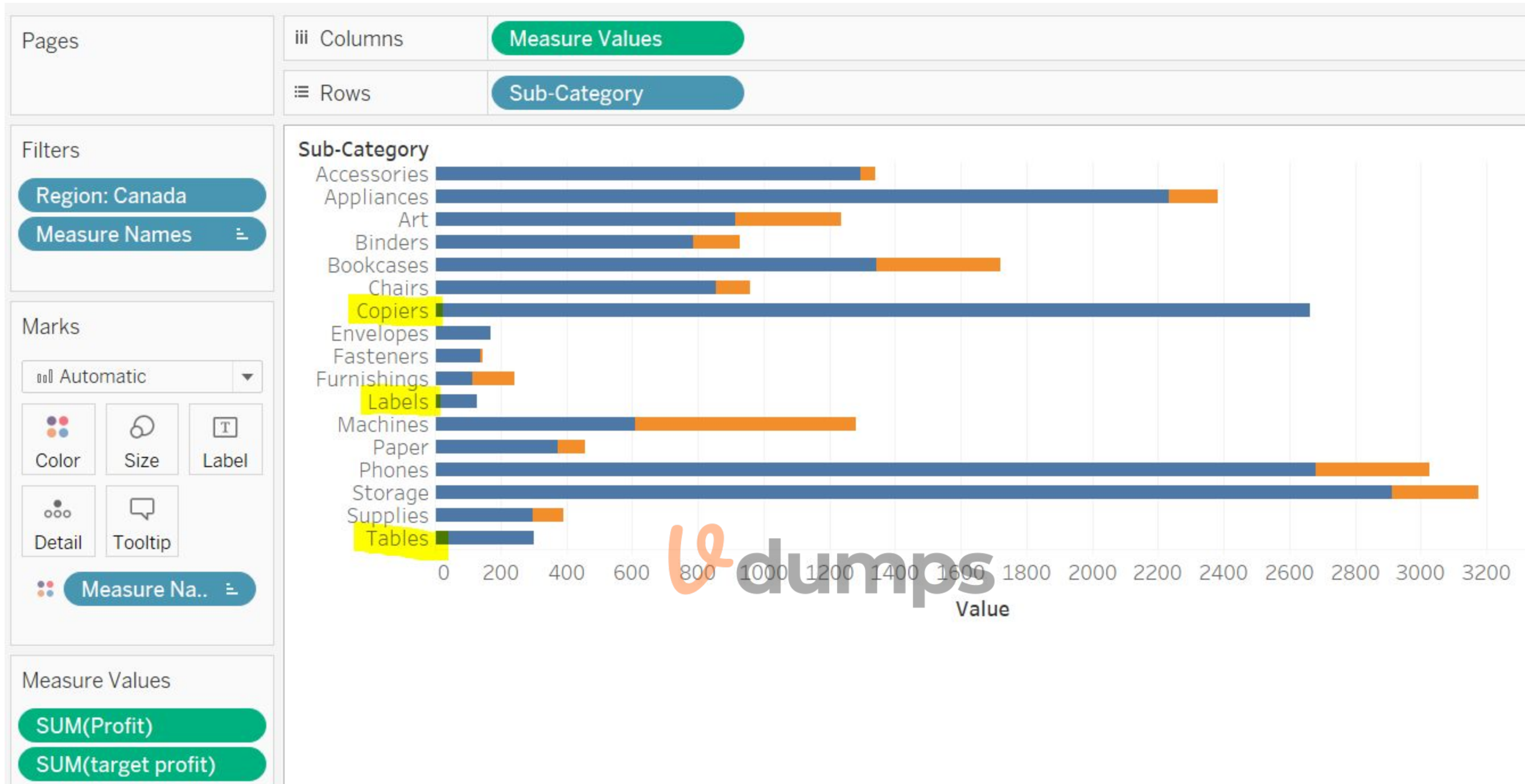
Go to the Analysis menu -> Stack Marks -> Off (so that your both profit and target profit bars will start from 0)
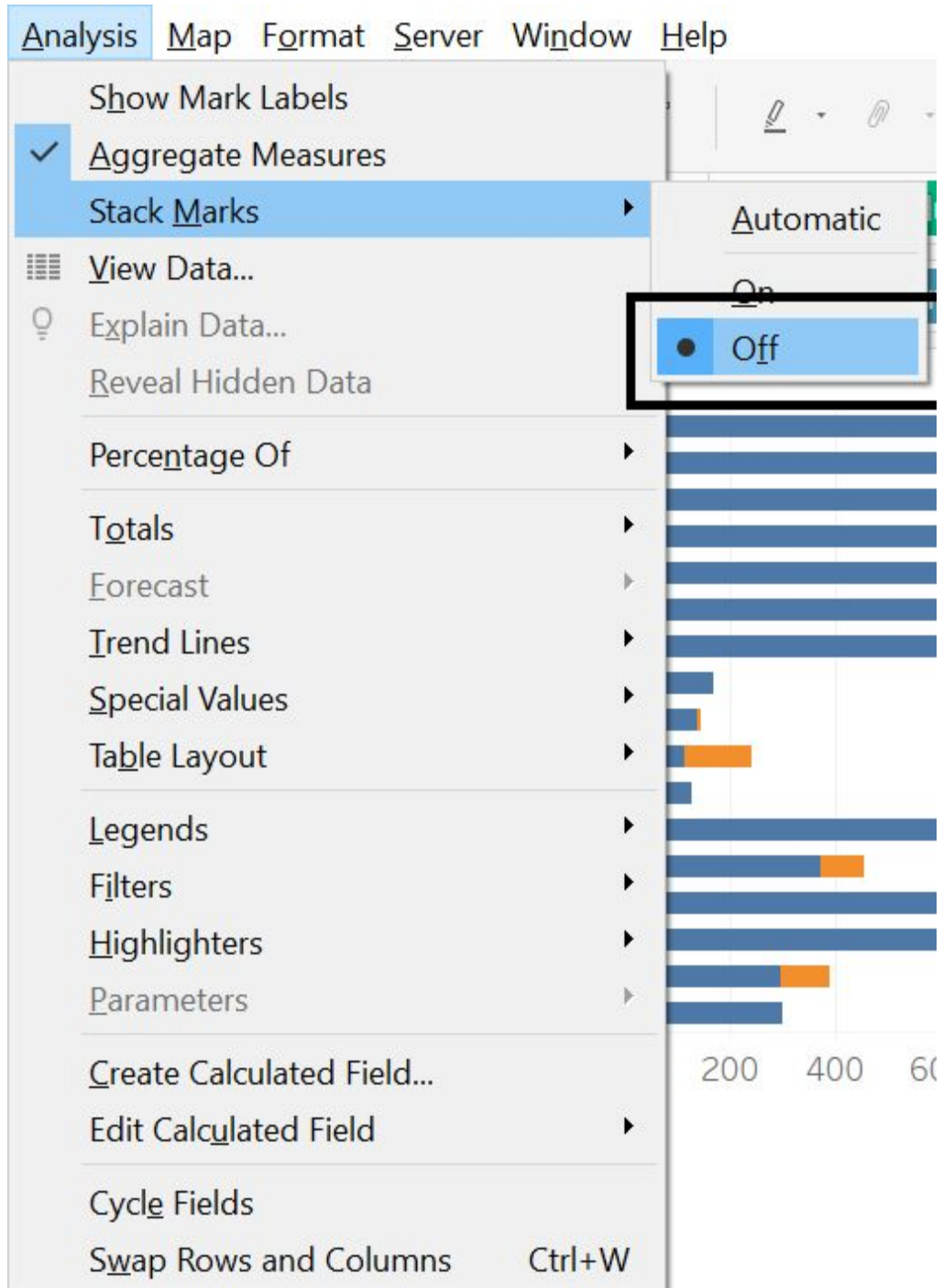
Tables, Labels and Copiers sub-categories has met or exceed the target profit.

QUESTION 19
Connect to the 'Global Superstore' data source and use the Orders table. Create a view using Profit and Sales. Find out which sub-category is above the profit median but below the sales median value?

A. Appliances
B. Binders
C. Storage
D. Tables

Correct Answer: B
Section:
Explanation:
Drop Sales to columns and profit to rows, and Sub-Category to details.
Add two reference lines, one on the sales axis:

Add similarly on profit axis as well.

Out of the following options, only the Binders sub-category is above the profit median but below the sales median value.

Pages

Columns SUM(Sales)

Rows SUM(Profit)

Filters

Marks

Automatic

| Color | Size | Label |
| Detail | Tooltip | Shape |

Sub-Category

Median

Median

Sub-Category: **Binders**
Profit: 72,433
Sales: 461,869
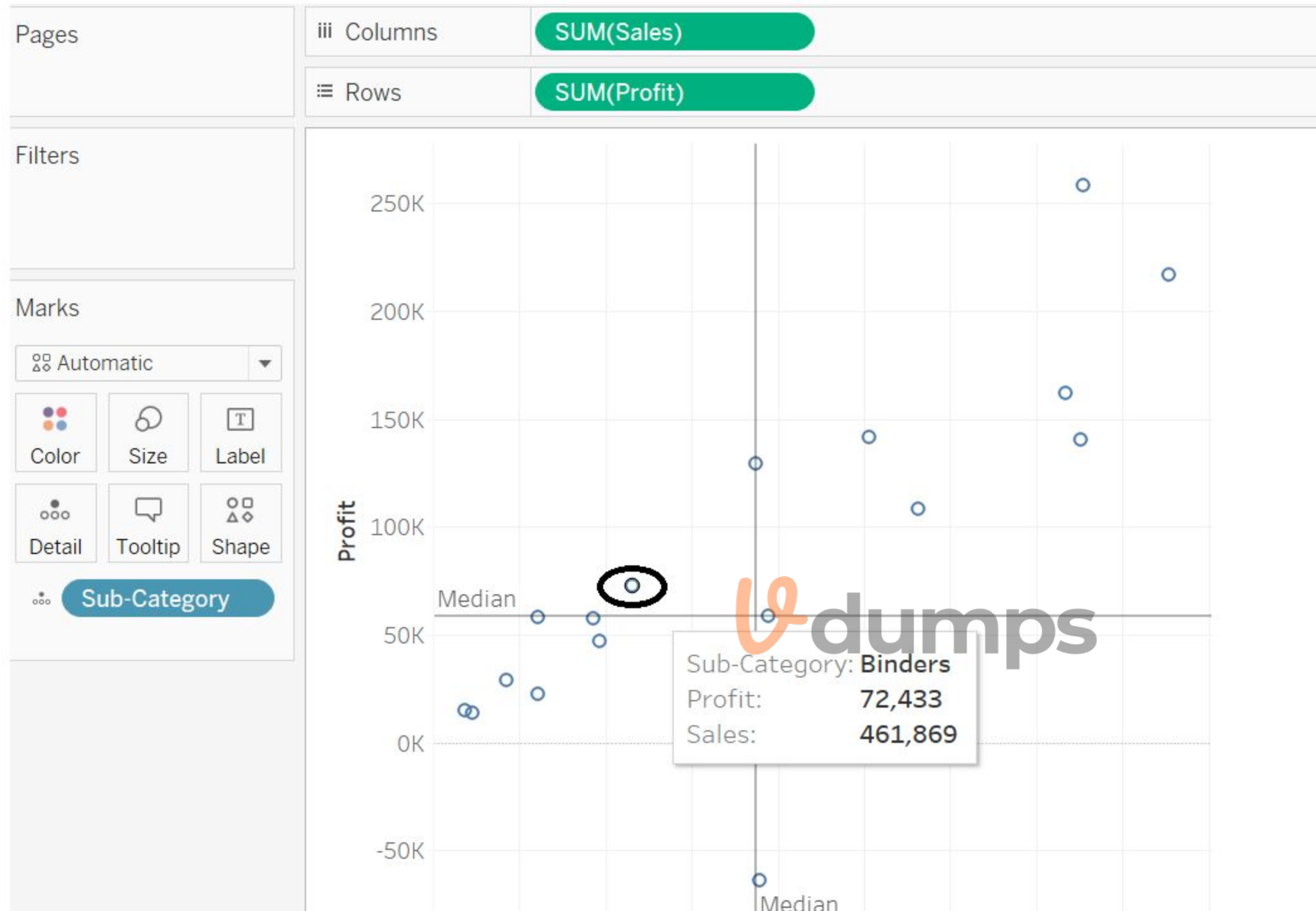
QUESTION 20
Connect to the 'Covid data' source. What is the percentage increase in the new cases from July 2020 to Jan 2021?

A. 118.50%

B. 125%

C. 113.50%

D. 98%

Correct Answer: C
Section:
Explanation:

Create a filter on date field and select only July 2020 and Jan 2021.

Filter [Month of Date]   ✕

General   Condition   Top

⦿ Select from list ◯ Custom value list ◯ Use all   ☰

Enter search text

☐ March 2020
☐ April 2020
☐ May 2020
☐ June 2020
☑ July 2020
☐ August 2020
☐ September 2020
☐ October 2020
☐ November 2020
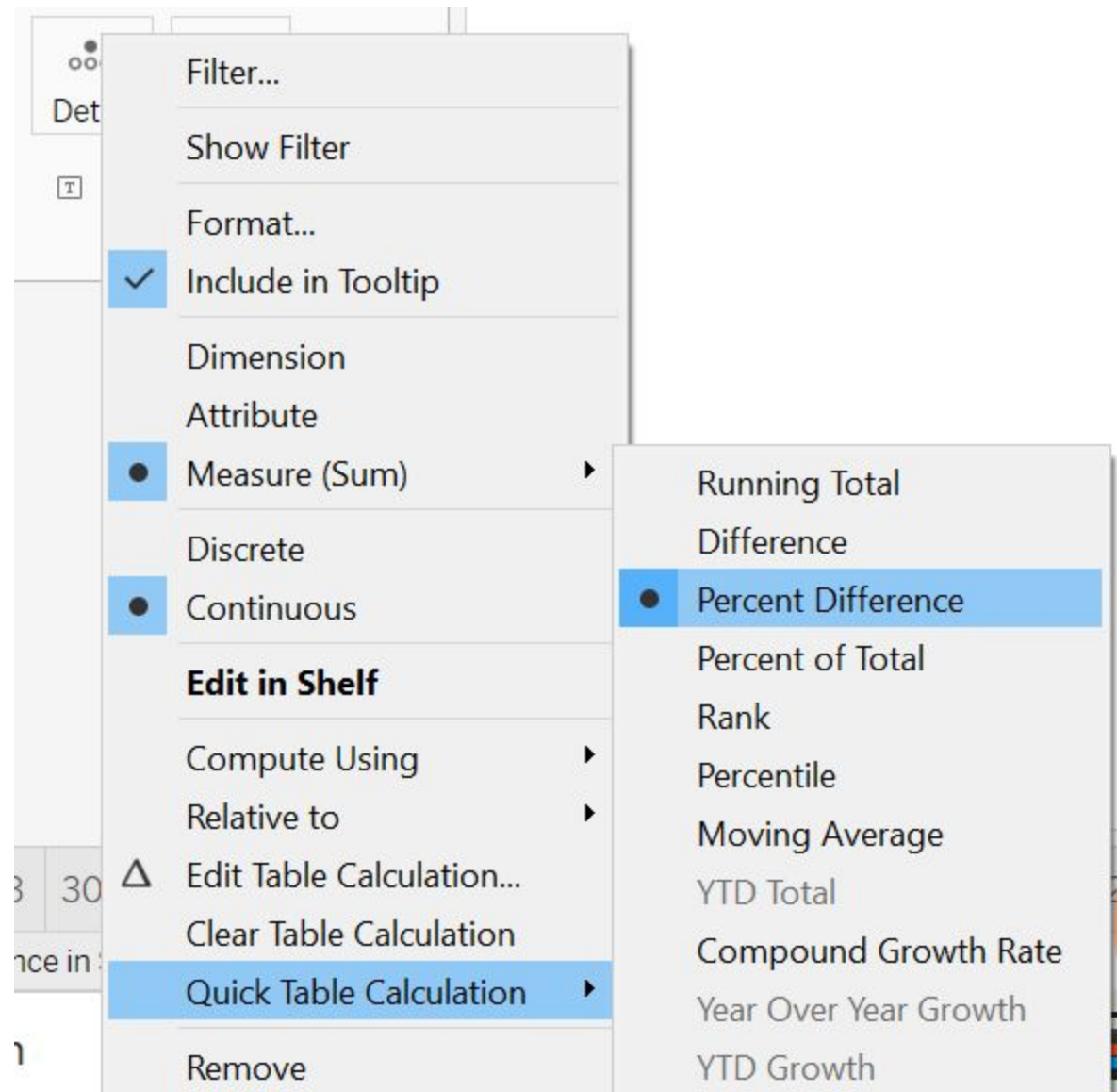☐ December 2020
☑ January 2021

[All]   [None]   ☐ Exclude

Summary
Field: [Month of Date]
Selection: Selected 2 of 13 values
Wildcard: All
Condition: None
Limit: None

☐ Filter to latest date value when workbook is opened

[Reset]   [OK]   [Cancel]   [Apply]

Drop Date Month Discrete to Columns and New cases to the Text.
Right-Click on New Cases field and Quick Table Calc ->Percent Difference

Filter...

Show Filter

Format...

✓ Include in Tooltip

Dimension

Attribute

● Measure (Sum)   ▶   Running Total
                               Difference
Discrete   ● Percent Difference
● Continuous   Percent of Total
                               Rank
Edit in Shelf   Percentile
Compute Using   ▶   Moving Average
Relative to   ▶   YTD Total
△ Edit Table Calculation...   Compound Growth Rate
Clear Table Calculation   Year Over Year Growth
Quick Table Calculation ▶   YTD Growth

Remove

Pages	iii Columns	⊞ MONTH(Date)
	≡ Rows	

Filters

MONTH(Date)

Month of Date
July 2020   January 2021
                      113.5%

Marks

T Automatic ▼

Color	Size	Text

Detail	Tooltip

T SUM(New Ca.. △

QUESTION 21
To create this view, what all you have to do from the following options?
Larger image

Market	Category	Profit	Quantity	Sales
Africa	Furniture	16,262	1,431	194,651
	Office Supplies	28,480	7,102	266,756
	Technology	44,129	2,031	322,367
Asia Pacific	Furniture	113,375	10,169	1,461,551
	Office Supplies	92,731	27,948	1,043,652
	Technology	197,070	10,480	1,537,455
Europe	Furniture	92,905	6,381	890,107
	Office Supplies	187,356	27,547	1,163,661
	Technology	169,291	7,991	1,233,569
LATAM	Furniture	41,598	8,867	811,971
	Office Supplies	79,459	22,066	563,921
	Technology	100,587	7,593	788,714
USCA	Furniture	20,943	8,044	752,173
	Office Supplies	130,570	23,581	749,503
	Technology	152,702	7,081	862,453
Grand Total		1,467,457	178,312	12,642,502

A. Add the Columns Totals on Top from Analysis Menu

B. Go to the border in format menu and then go to the Rows tab and update the Row Divider settings

C. Go to the border in format menu and then go to the Columns tab and update the Column Divider settings

D. Drop the measure to the color marks card

Correct Answer: B, D
Section:
Explanation:
Option 1 - It is not valid, as we are not showing Columns Totals on Top.
Option 3 - It is not valid, as we are modifying the row divider settings and not the column divider settings.
Rest are true.

QUESTION 22
Connect to the 'Significant Volcano Eruption' data source. Create a histogram using field Death and having a bin size of 500. Find out which country reported 9 deaths in the bin of 0-500?

A. United States

B. Chile

C. Japan

D. Indonesia

Correct Answer: A
Section:
Explanation:
Select the measure "Death" and go to the Show Me and Click on Histogram
When we are binning the measure, it will create the dimension, so you get a new dimension as Death (bin). Right-click on this and click on Edit. Update the size of bins to 500.
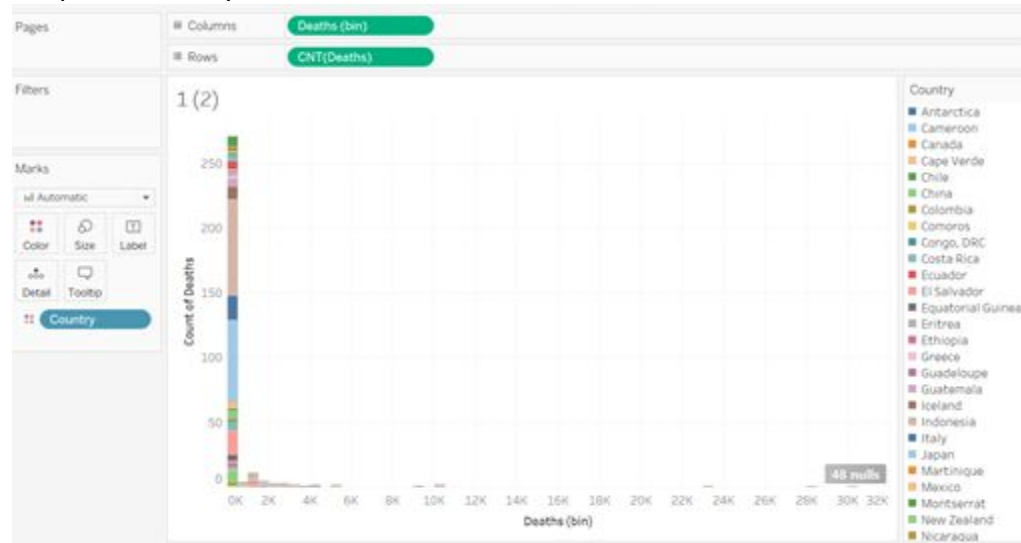
Edit Bins [Deaths]

New field name: Deaths (bin)

Size of bins: 500   Suggest Bin Size

Range of Values:

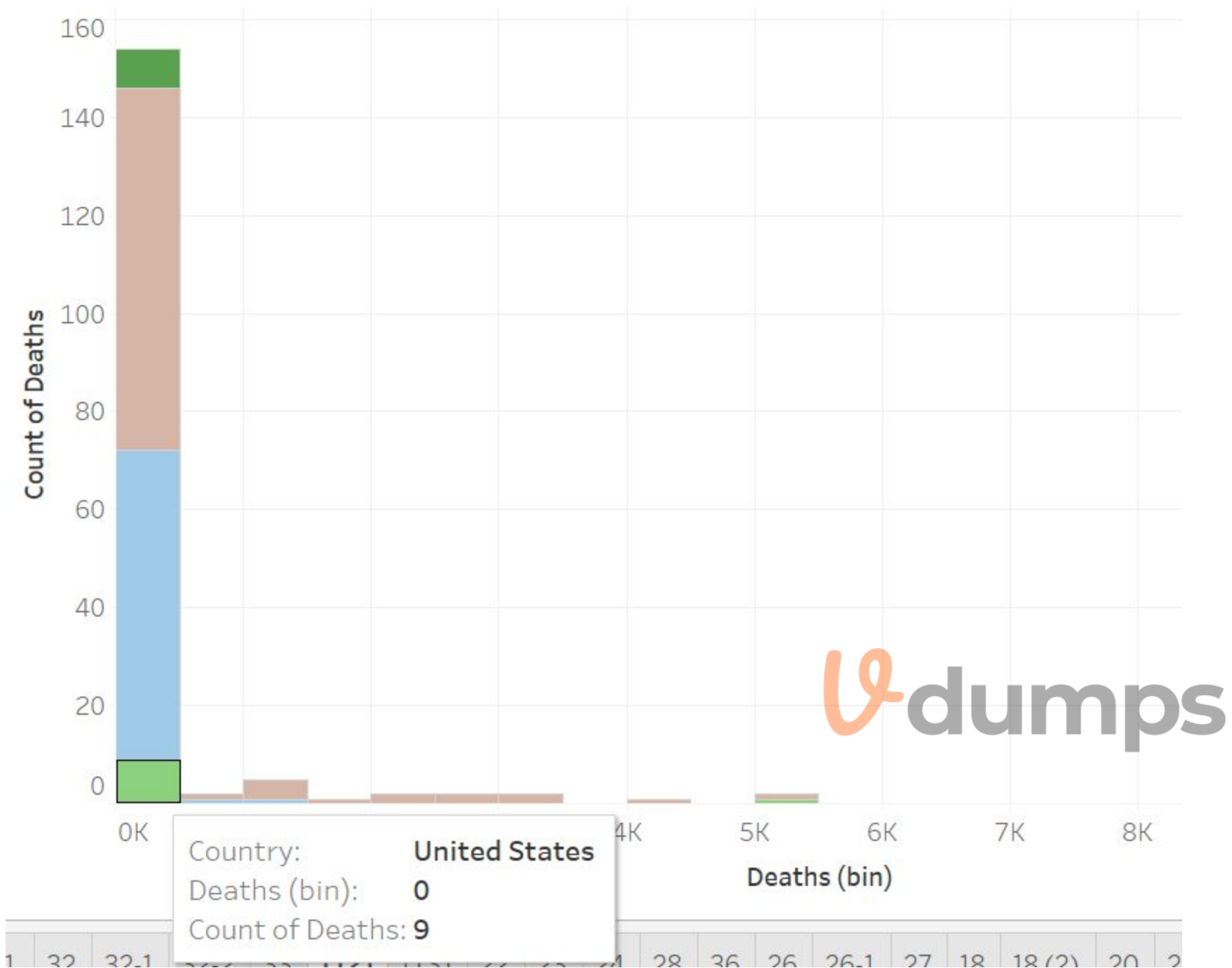Min: 1   Diff: 29,999
Max: 30,000   CntD: 111

OK   Cancel

Drop the Country to the color, so our view will look like this:

Now drop the Country to the filter and select 4 countries mentioned in our options.
Hover the bar, it shows the United States has reported 9 deaths.

QUESTION 23
In which of the following scenarios you should use the blend?

A. The data to combine has the same structure but consists of data of different years.
B. The combined data will be used in many worksheets in the current workbook.
C. The data to combine is at a different level of detail.
D. All of the above.

Correct Answer: C
Section:
Explanation:
Union - The data to combine has the same structure but consists of data of different years.
Blend - The data to combine is at a different level of detail.

QUESTION 24
How the ATTR() is defined in Tableau?

A. IF MIN ([dimension]) = MAX ([dimension]) THEN MIN ([dimension]) ELSE '*' END
B. IF MIN ([dimension]) = MAX ([dimension]) THEN MAX ([dimension]) ELSE '*' END
C. IF MIN ([dimension]) = MAX ([dimension]) THEN MIN ([dimension]) ELSE MAX ([dimension]) END
D. IF MIN ([dimension]) = MAX ([dimension]) THEN MIN ([dimension]) ELSE NULL END

Correct Answer: A
Section:
Explanation:
IF MIN ([dimension]) = MAX ([dimension]) THEN MIN ([dimension]) ELSE '*' END
Refer: https://kb.tableau.com/articles/howto/when-to-use-the-attribute-attr-function

QUESTION 25
To create a choropleth map, your data source should include the following types of information?

A. Quantitative or qualitative values
B. Location names or custom polygons
C. Background image
D. Custom Territories

Correct Answer: A, B
Section:
Explanation:
Refer: https://help.tableau.com/current/pro/desktop/en-us/maps_howto_choropleth.htm

QUESTION 26
How to add reference lines in a view? (Select correct two answers)

A. Using Analytics pane
B. Using Data Pane
C. Using Analysis Menu
D. Right Click on Axis and Add Reference Line

Correct Answer: A, D
Section:
Explanation:
Using Analytics pane:

| Data | Analytics | ⇕ |

Summarize

- ⊪ Constant Line
- ⊪ Average Line
- ⊞ Median with Quartiles
- ⊕ Box Plot
- ▢ Totals

Model

- ⊞ Average with 95% CI
- ⊞ Median with 95% CI
- ⊵ Trend Line
- ⬈ Forecast
- ⊵ Cluster

Custom

- ⊪ Reference Line
- ⊞ Reference Band
- ⊞ Distribution Band
- ⊕ Box Plot

Right Click on Axis and Add Reference Line:
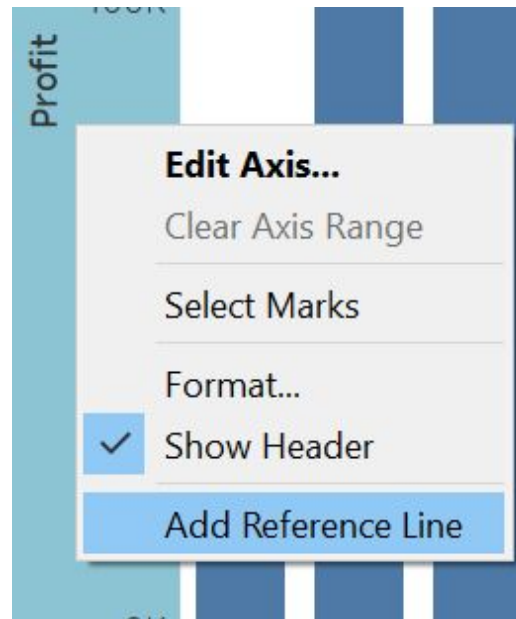
QUESTION 27
When it is recommended to create multiple table extracts?

A. If incremental refresh is configured
B. If we are using extract filters to limit the data
C. If row-level security needs to be enforced
D. None of the above

Correct Answer: C
Section:
Explanation:
It is recommended to create multiple table extracts when row-level security needs to be enforced.
Refer: https://www.tableau.com/about/blog/2018/10/you-can-now-choose-multiple-table-storage-extracts-94776

QUESTION 28
Connect to the 'Global Superstore' data source and use the Orders table. Find out in which year the furniture sales were more than the average sales of that year?

A. 2012
B. 2013
C. 2014
D. 2015

Correct Answer: A
Section:
Explanation:
Drop Order Date to columns, Category to Rows, and Sales to Text.
Go to Analysis -> Totals -> Show Columns Grand Total

| Analysis | Map | Format | Server | Window | Help |

| Show Mark Labels |
| ✓ Aggregate Measures |
| Stack Marks | ▶ |
| View Data... |
| Explain Data... |
| Reveal Hidden Data |
Percentage Of	▶
Totals	▶
Forecast	▶
Trend Lines	▶
Special Values	▶
Table Layout	▶
Legends	▶
Filters	▶
Highlighters	▶
Parameters	▶
Create Calculated Field...
Edit Calculated Field	▶
Cycle Fields
Swap Rows and Columns	Ctrl+W

☐ YEAR(Order Date)

☐ Category

Order Date

Show Row Grand Totals
✓ Show Column Grand Totals
Row Totals to Left
Column Totals to Top
Add All Subtotals
Remove All Subtotals
Total All Using ▶

Update Total All Using to Average:

Analysis	Map	Format	Server	Window	Help

Show Mark Labels

✓ Aggregate Measures

Stack Marks ▶

View Data...

Explain Data...

Reveal Hidden Data

Percentage Of ▶

Totals ▶
  Show Row Grand Totals
  ✓ Show Column Grand Totals
  Row Totals to Left
  Column Totals to Top
  Add All Subtotals
  Remove All Subtotals
  Total All Using ▶
    Automatic
    Sum
    Average
    Minimum
    Maximum

Forecast ▶

Trend Lines ▶

Special Values ▶

Table Layout ▶

Legends ▶

Filters ▶

Highlighters ▶

Parameters ▶

Create Calculated Field...

Edit Calculated Field ▶

Cycle Fields

Swap Rows and Columns   Ctrl+W

⊞ YEAR(Order Date)

⊞ Category

Standard ▼

Order Date
14   2015
29 1,377,917
12 1,305,790
05 1,616,159
46 4,299,866

Category	2012	2013	2014	2015
Furniture	756,084	858,822	1,117,629	1,377,917
Office Supplies	675,715	795,175	1,010,812	1,305,790
Technology	827,652	1,023,442	1,277,305	1,616,159
Grand Total	753,150	892,480	1,135,249	1,433,289

In the year 2012, the furniture sales were more than the average sales of that year.

QUESTION 29

Which of the following is true about spatial files?

A. You cannot create a dual-axis chart using spatial data
B. You cannot join spatial data source with the non-spatial data source
C. You cannot apply filters in your view if it is creates using the spatial data source
D. None of the above

Correct Answer: D
Section:
Explanation:
All are false here.
Refer: https://help.tableau.com/current/pro/desktop/en-us/maps_shapefiles.htm

QUESTION 30
When we create a filter action in a dashboard, what all we must specify so that it will work?

A. Source Sheet
B. Target Sheet
C. Run action on
D. Target filter on Selected fields

Correct Answer: A, B, C
Section:
Explanation:
Even if you don't select the target filters, your filter action will work. Rest all you need to provide so that it will work.
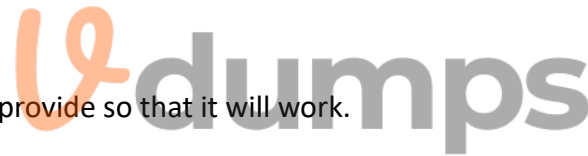
QUESTION 31
Which type of sort is applied in the Ship Mode field?
Larger image

Market	Ship Mode	
Africa	Standard Class	36,520
	Second Class	23,025
	First Class	19,796
	Same Day	8,798
APAC	Standard Class	183,621
	First Class	88,202
	Second Class	86,365
	Same Day	28,976
Canada	Second Class	2,688
	Standard Class	2,151
	First Class	1,934
	Same Day	632
EMEA	Standard Class	39,305
	Second Class	22,882
	First Class	18,055
	Same Day	8,134
EU	Standard Class	142,607
	Second Class	71,513
	First Class	67,928
	Same Day	27,374
LATAM	Standard Class	104,959
	First Class	57,481
	Second Class	52,623
	Same Day	19,071

A. Field Sort

B. Nested Sort

C. Alphabetic Sort

D. Data Source Order

Correct Answer: B
Section:
Explanation:
Refer to Nested Sort section: https://help.tableau.com/current/pro/desktop/en-us/sortgroup_sorting_computed_howto.htm

QUESTION 32
Which of the following are forecast quality metrics available in Tableau?

A. RMSE

B. MAPE

C. AISE

D.   MASE

Correct Answer: A, B, D
Section:
Explanation:
Refer section "Quality Metrics" at https://help.tableau.com/current/pro/desktop/enus/
forecast_describe.htm

QUESTION 33
What is the default join type when you blend two data sources?

A.   Inner join
B.   Outer join
C.   Left outer join
D.   Right join

Correct Answer: C
Section:
Explanation:
Blend is the left outer join after aggregation at the level of granularity.

QUESTION 34
Which calculation will color the sales by state, while the city is on the Marks card, as shown in this view?
Larger image

iii Columns   Longitude (generated)

≡ Rows   Latitude (generated)

Filters

Sales in each state of US

© 2021 Mapbox © OpenStreetMap

Marks

○ Automatic ▼

Color	Size	Label

Detail	Tooltip

ATTR(exc calc)
State
City
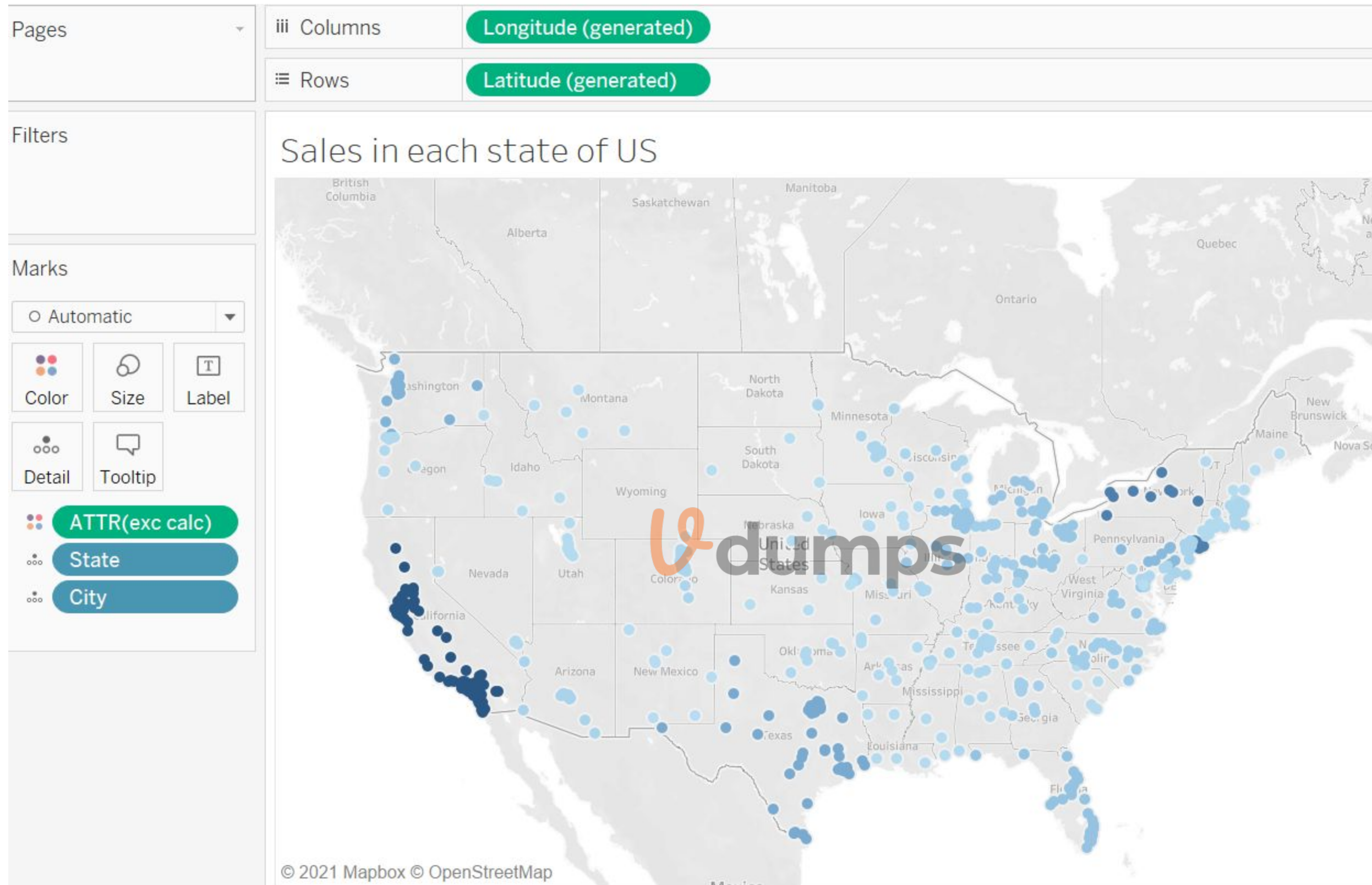
A.   {SUM([Sales])}

B.   { Exclude [City] : SUM([Sales])}

C.   { Exclude [State] : SUM([Sales])}

D.   { Exclude : SUM([Sales])}

Correct Answer: B
Section:

Explanation:

{ Exclude [City] : SUM([Sales])} => using this calculation we can exclude the City dimension from all the dimensions present in the view. So here SUM(sales) would be the aggregation of sales in the state level only, even though city field is available in the view.

QUESTION 35
Connect to the 'Global Superstore' data source and use the Orders table. Which of the customer names are in the Top 20 by sales, calculate the profit ratio for these customers and find out who all are in the bottom 5 in profit ratio (within these customers)?

A. Sean Miller
B. Raymond Buch
C. Art Ferguson
D. Bart Watters

Correct Answer: A, C
Section:
Explanation:
Right Click on the Customer Name -> Create -> Set

Create a calculated field:

Drop the Top 20 by Sales set, Customer Name to Rows.
Drop Sales and Profit Ratio to the view. Format the profit ratio so it will show the percentage.

Pages	iii Columns		Measure Names			
	≡ Rows	▼	IN/OUT(Top 20 By .. ◈	Customer Name		

In / Out..	Customer Name	Profit ..	Sales	
In	Art Ferguson	8.08%	28,187	⌃
	Bart Watters	11.13%	32,310	
	Bill Eplett	26.02%	28,479	
	Christopher Con..	15.92%	35,187	
	Fred Hopkins	15.16%	30,401	
	Greg Tran	14.67%	35,551	
	Harry Marie	24.43%	28,477	
	Hunter Lopez	25.85%	30,244	
	Jane Waco	20.69%	30,288	
	Muhammed Yed..	8.92%	29,643	
	Natalie Fritzler	4.85%	31,781	
	Penelope Sewall	14.42%	30,082	
	Peter Fuller	3.56%	29,876	
	Raymond Buch	28.56%	29,602	
	Sanjit Engle	19.96%	30,146	
	Sean Miller	-1.16%	35,171	
	Susan Pistek	22.34%	29,021	
	Tamara Chand	23.15%	37,457	
	Tom Ashbrook	15.59%	40,488	
	Zuschuss Carroll	1.53%	28,480	
Out	Aaron Bergman	19.00%	24,645	

Filters

Measure Names

Marks

⊤ Automatic ▼

Color   Size   Text

Detail   Tooltip

⊤ Measure Values

Measure Values

AGG(Profit Ratio)

SUM(Sales)

Sort the Profit.

In / Out..	Customer Na..	Profi..	Sales
In	Raymond Buch	28.56%	29,602
	Bill Eplett	26.02%	28,479
	Hunter Lopez	25.85%	30,244
	Harry Marie	24.43%	28,477
	Tamara Chand	23.15%	37,457
	Susan Pistek	22.34%	29,021
	Jane Waco	20.69%	30,288
	Sanjit Engle	19.96%	30,146
	Christopher Con..	15.92%	35,187
	Tom Ashbrook	15.59%	40,488
	Fred Hopkins	15.16%	30,401
	Greg Tran	14.67%	35,551
	Penelope Sewall	14.42%	30,082
	Bart Watters	11.13%	32,310
	Muhammed Yed..	8.92%	29,643
	Art Ferguson	8.08%	28,187
	Natalie Fritzler	4.85%	31,781
	Peter Fuller	3.56%	29,876
	Zuschuss Carroll	1.53%	28,480
	Sean Miller	-1.16%	35,171

QUESTION 36
Using the Profit Analysis Dashboard twbx file, find out the profit recorded in October 2016 by California State in the West region? You can add the functionality to the dashboard.

A. $3,251
B. $3,448
C. $517
D. $987

Correct Answer: C
Section:
Explanation:
Select California State from the Map

Profit Analysis Dashboard

Select the year
(All)

Select the region
- ☑ (All)
- ☑ Central
- ☑ East
- ☑ South
- ☑ West

Profit by State
Select the state(s) on the map to drill down

Profit

($25,729) ▭ $76,381

© 2021 Mapbox © OpenStreetMap

Profit over time
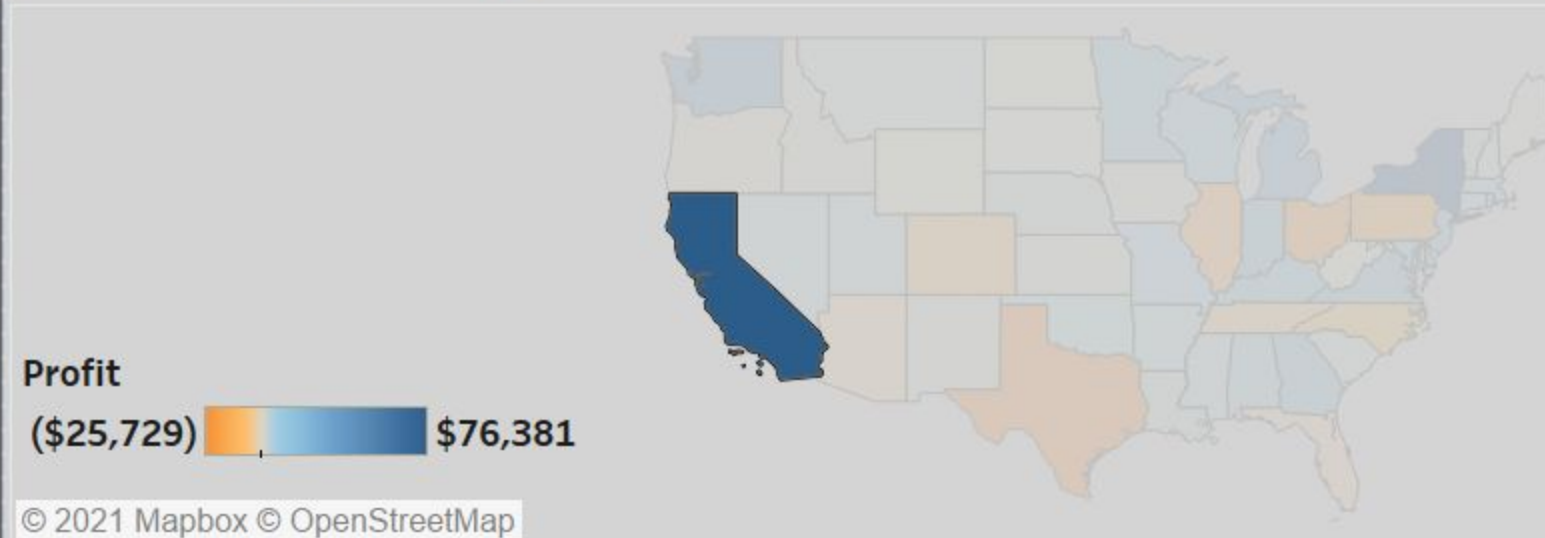
Profit	
$4,000	
$3,000	
$2,000	
$1,000	
$0	
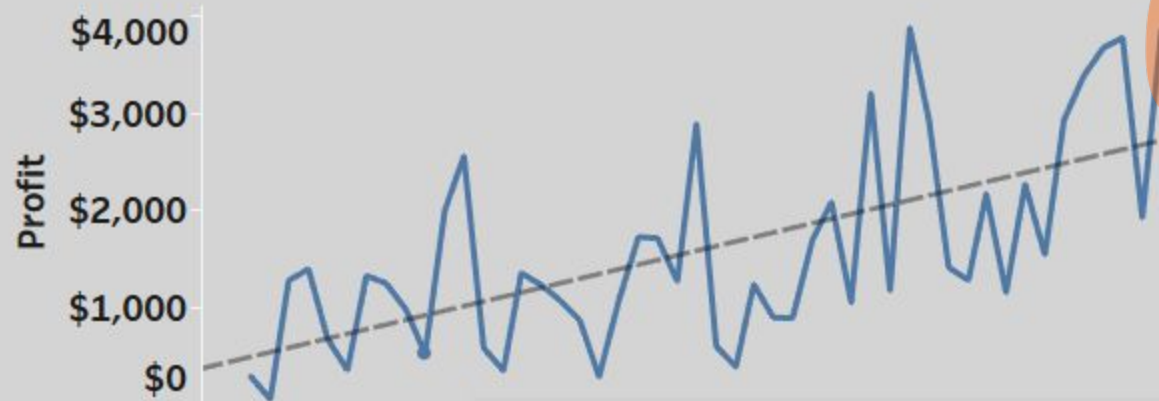
2016

Month of Order Date: October 2016
Profit: $517

Top 5 Profitable Products

Product Name	Profit
Fellowes PB500 Electric Punch Plastic Comb Bindin...	$2,288
Canon PC1060 Personal Laser Copier	$2,268
Hewlett Packard LaserJet 3310 Copier	$2,184

$0 $500 $1,000 $1,500 $2,000 $2,500

Profit

Topic 2, Exam Pool B
Download the Dataset from here:
https://drive.google.com/file/d/1z7LPBQNPWHChteShl0QL3yu_JcvstLGl/view?usp=sharing
Use the above data set to answers the questions under Exam Pool B.

QUESTION 37
Connect to the 'Global Superstore' data source and use the Orders table. Find out the average quantity ordered by customers whose first name starts with an 'S' alphabet?

A. 3.43
B. 3.56
C. 4.02
D. 3.39

Correct Answer: B
Section:
Explanation:
Create a Calculation to get the first alphabet of the customer name.

First Alphabet   ⊖ Orders (global_superstore)

LEFT([Customer Name],1)

Now drop the First Alphabet field to Rows and Quantity field to the Text on the Marks card. Change the aggregation from SUM to AVG. Your view will look like this:

QUESTION 38
Connect to the 'Global Superstore' data source and use the Orders table. What is the total profit earned by all the cities in Wake County, North Carolina from the year 2012 to 2014?

A. $527
B. $403
C. $427
D. $503

Correct Answer: B
Section:
Explanation:
Drop the State to the View. And drop the Country to the Filter Shelf and Select the United States.
Drop the City to the view, and add the State to the Filter shelf and select North Carolina.
Also, drop the Order Date to the Filters and select year 2012, 2013, 2014

Filter [Year of Order Date]

General	Condition	Top

◉ Select from list ◯ Custom value list ◯ Use all

Enter search text

☑ 2012
☑ 2013
☑ 2014
☐ 2015

Now, drop the Profit field to the tooltip. As of now, your view should look like this:
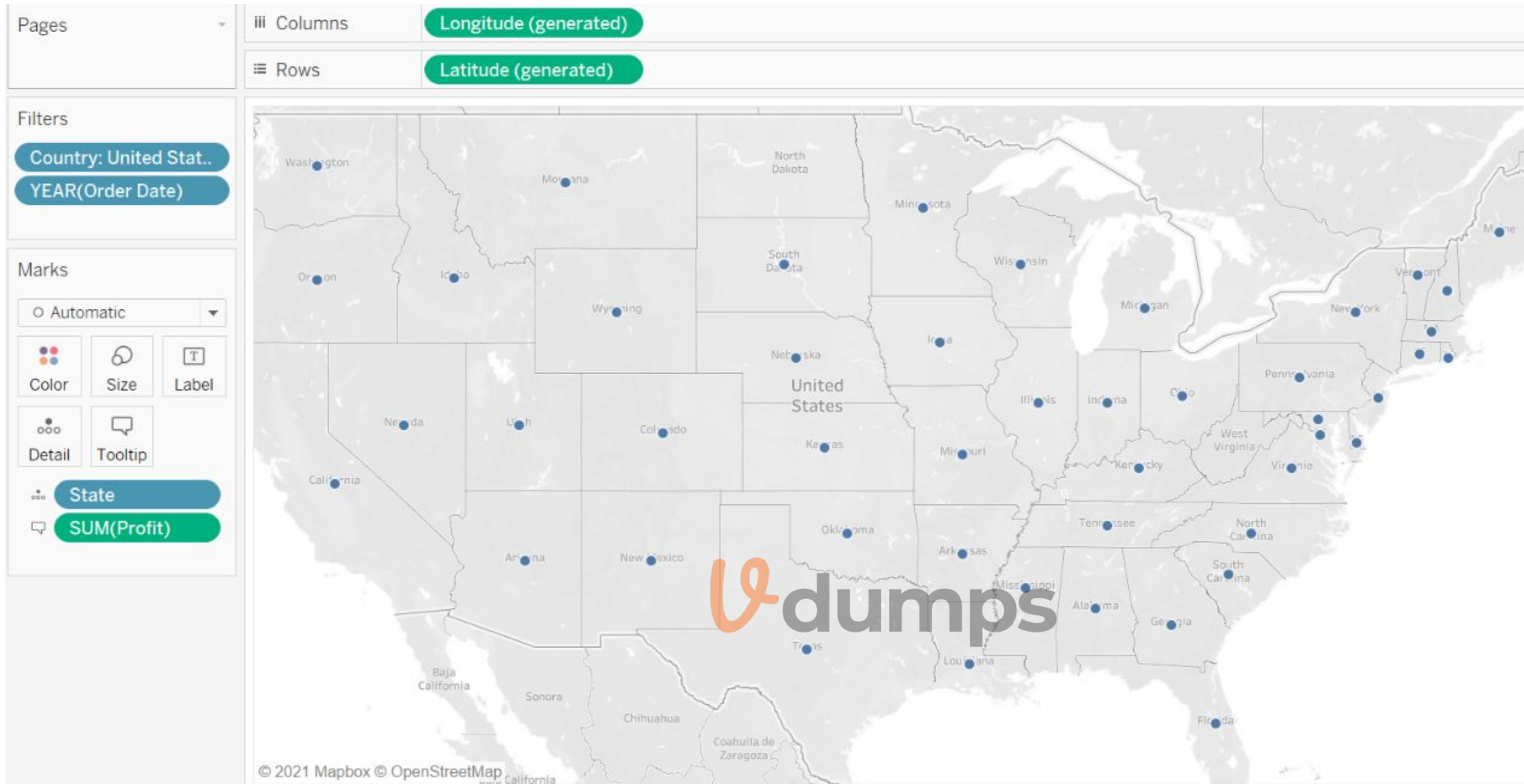
Now, we have to find the total profit earned by all the cities in Wake County.

Drop the City field to the view and drop the state to the Filters shelf and Select North Carolina only.

To show the County go to the Map->Map Layers.
Check County Names and County Borders.

the total profit earned by all the cities in Wake County is $403.

QUESTION 39
Connect to the 'Significant Volcano Eruption' data source. What percentage of total deaths caused by volcanoes which were having a volcano index greater than 2 and elevation greater than 5000?

A. 6.58%
B. 0.27%
C. 3.45%
D. 5.61%

Correct Answer: A
Section:
Explanation:
Create a calculated field as:

Vol Index and elevati ⊖ volerup (significantvolcanoeruptions)

```
[Volcano Explosivity Index (VEI)] >2 AND [Elevation] >5000
```

Drop this field to Rows and Total Death to the Columns. And Select the Quick Table Calculation-> Percent of Total.

QUESTION 40
Which of the following are true regarding parameter actions?

A. While creating the parameter action, you must specify the aggregation.

B. The aggregation that you choose for the parameter action can be different than the aggregation used for the field in the view.

C. You can create multiple parameter actions in your dashboard.

D. Using parameter action, you can update the reference line.

Correct Answer: B, C, D
Section:
Explanation:
While creating the parameter action, it is not mandatory to specify the aggregation.
All others are true.
Refer: https://help.tableau.com/current/pro/desktop/en-us/actions_parameters.htm

QUESTION 41
You are unable to join two tables because tableau throws the type mismatch error. How you can solve it most likely?

A. Using Union

B. Using Blend

C. Using Join Calculations

D. Using cross-database join

Correct Answer: C
Section:
Explanation:
Use join Calculations while joining two tables.

QUESTION 42
While creating which of the chart type, we turn off the stack marks from the analysis menu?

A. Box and whisker plots

B. Bar in bar chart

C. Bullet graphs

D. Combined Axis chart

Correct Answer: B
Section:
Explanation:
While creating Bar in bar chart, we turn off the stacked marks so that both the bars will start from 0.

QUESTION 43
You have connected to the employee table in your data source and are adding a join on the Employee Manager table. If you would like to see all of the records from the employee table and only matching records from the employee manager table. Which join type will you use?

A. Inner join

B. Outer join

C. Left join

D. Right join

Correct Answer: C
Section:
Explanation:
When you use a left join to combine tables, the result is a table that contains all values from the left table and corresponding matches from the right table.
Refer Join Types: https://help.tableau.com/current/pro/desktop/en-us/joining_tables.htm

QUESTION 44
Connect to the 'Kiva Loans - India' data source, which sector's funded amount is closest to the median of all the sectors?

A. Education

B. Clothing

C. Construction

D. Retail

Correct Answer: B
Section:
Explanation:
Drop Sector to columns and Funded Amount to Rows.
From Analytics, drop the Median with Quartiles to your view or drop the reference line, select the Median.
Your view will look like this:

Here, the Clothing funded amount is exactly similar to the Median.

QUESTION 45
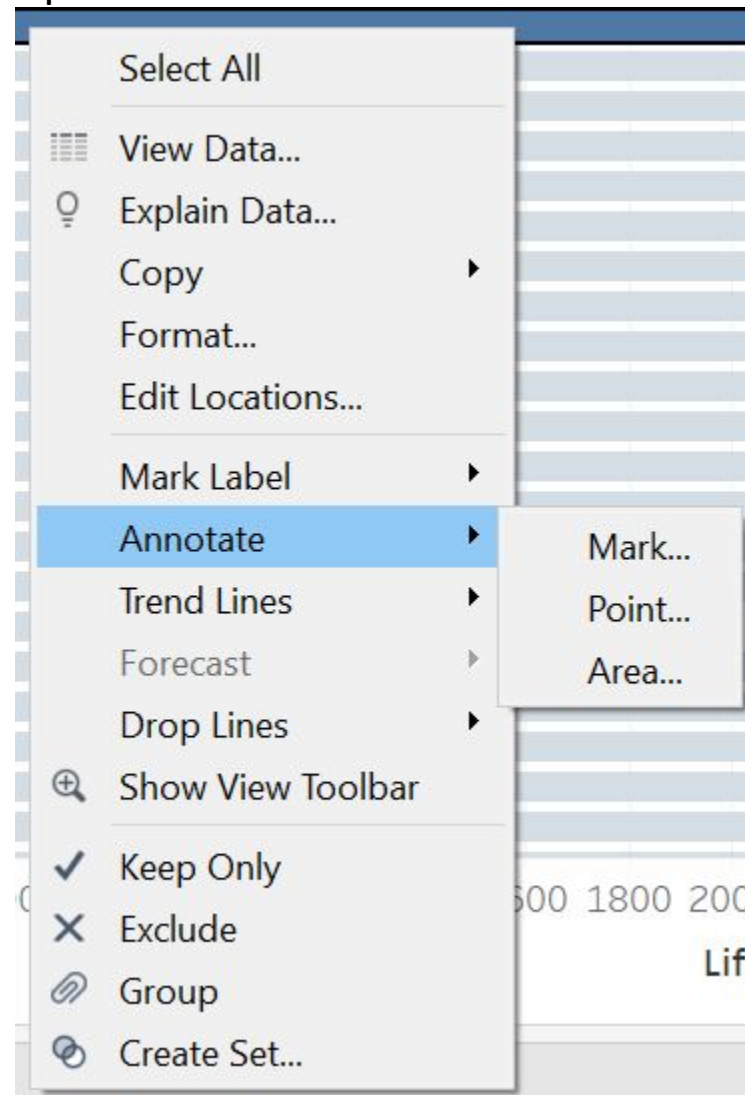What are the types of annotations available in Tableau?

A. Mark

B. Point

C. Circle

D. Area

Correct Answer: A, B, D
Section:
Explanation:

QUESTION 46
Connect to the 'Kiva Loans - India' data source, find out the average number of days it took to disbursed the funded amount in catering activity, and what is the total funded amount?

A. 26.5, $2275
B. 26, $2275
C. 26.5, $325
D. 26, $325

Correct Answer: A
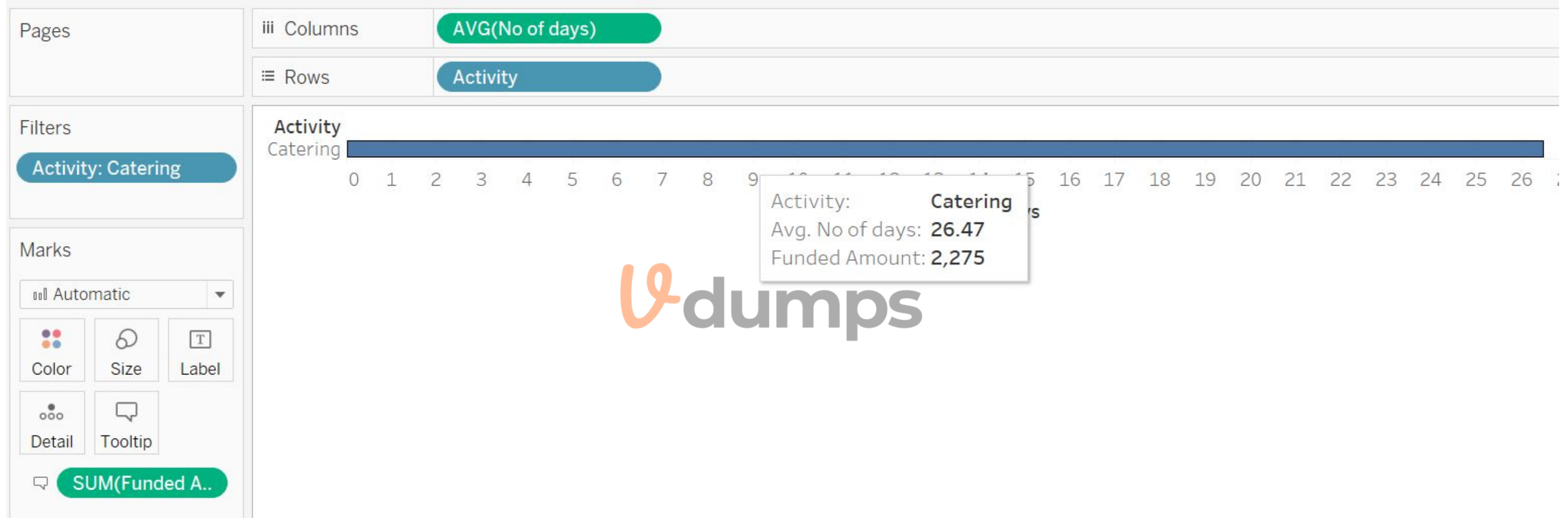**Section:**
Explanation:

No of days | ⊟ Kiva Loans - India

```
[Disbursed Time] - [Funded Time]|
```

Filter the Activity = Catering
Drop the activity to rows, and no of days to columns, change the aggregation to AVG.
Also, drop the Funded Amount to the Tooltip.

Pages

iii Columns   AVG(No of days)

≡ Rows   Activity

Filters

Activity: Catering

Marks

Activity
Catering

0 1 2 3 4 5 6 7 8 9 ~~~~~~~~~~~ 15 16 17 18 19 20 21 22 23 24 25 26

Activity: Catering
Avg. No of days: 26.47
Funded Amount: 2,275

Vdumps

Marks

⊞ll Automatic   ▼

Color   Size   Label

Detail   Tooltip

SUM(Funded A..

QUESTION 47
Connect to the 'Global Superstore' data source and use the Orders table. Find out how many new customers were acquired in the year 2014?

A. 4419
B. 5412
C. 4719
D. 5216

Correct Answer: A
Section:
Explanation:
If customer first order is equal to the order date, then this is the new customer.

Create a calculated field to find the first order date:
Find If the order date is equal to the day of first purchase for that customer, flag that row as a
'New Customer'
Find the unique customers:
Drop the Order date to filter shelf and select the year 2014 to find out the new customer acquired in 2014.
Drop New Customer field to Rows and Unique customer field to Text marks card.

QUESTION 48
Use custom geocoding, when you need _____ locations to map your data.

A. Default
B. States
C. User-defined
D. Tableau generated

Correct Answer: C
Section:
Explanation:
Custom geocoding means that you assign latitude and longitude coordinates to your locations so Tableau can plot them accurately.
Refer: https://help.tableau.com/current/pro/desktop/en-us/custom_geocoding.htm

QUESTION 49
Connect to the 'Global Superstore' data source and use the Orders table. Predict the profit of January 2016 using the profit data through December 2015. What is the profit value of January 2016?
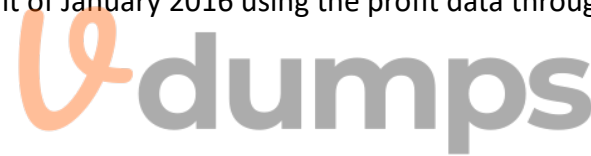
A. $35,152
B. $33,759
C. $46,917
D. $39,921

Correct Answer: A
Section:
Explanation:
Drop the Orders Date to the Columns shelf and change it to the Month Date Value and drop the profit to the rows shelf. Your view will look like this:

Pages	iii Columns		
	≡ Rows	**First Alphabet**	

Filters	First Al..	
	A	3.4564
	B	3.4993
	C	3.4445
	D	3.5065
	E	3.3944
	F	3.4413
	G	3.5387
Marks	H	3.4701
	I	3.4427
⊤ Automatic ▼	J	3.5165
	K	3.4532
	L	3.4818
Color Size Text	M	3.4423
	N	3.4602
	O	3.5646
Detail Tooltip	P	3.5032
	Q	4.0189
	R	3.4345
⊤ **AVG(Quantity)**	S	3.5594
	T	3.3983
	V	3.5565
	W	3.5476

Vdumps

Go to the Analytics tab and drop the Forecast to your view.

Right-Click on the view, Select Forecast -> Forecast Options. Change the Ignore last to 0 months,

Forecast Options

Forecast Length
- (•) Automatic Next 12 months
- ( ) Exactly 1 Years
- ( ) Until 1 Years

Source Data
Aggregate by: Automatic (Months)
Ignore last: 0 Months
☐ Fill in missing values with zeroes

Forecast Model
Automatic

Automatically selects an exponential smoothing model for data that may have a trend and may have a seasonal pattern.
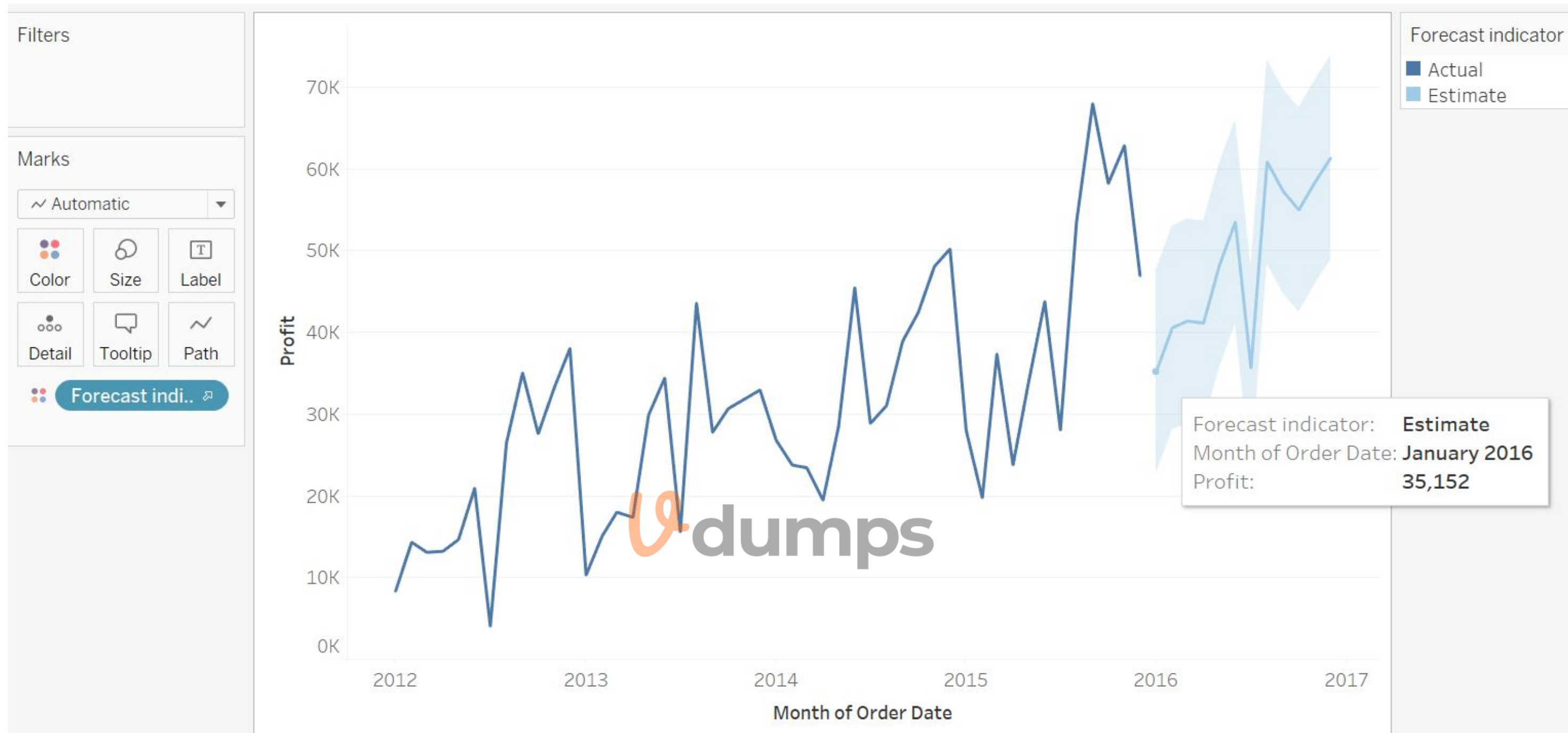
☑ Show prediction intervals 95%

Currently using source data from January 2012 to December 2015 to create a forecast through December 2016. Looking for potential seasonal patterns every 12 Months.

Learn more about forecast options

OK

$35,152 is the correct answer.

Filters

Marks

~ Automatic ▼

Color | Size | Label
Detail | Tooltip | Path

:: Forecast indi.. ⟋

Forecast indicator
■ Actual
■ Estimate

Profit (y-axis): 0K, 10K, 20K, 30K, 40K, 50K, 60K, 70K

Month of Order Date (x-axis): 2012, 2013, 2014, 2015, 2016, 2017

Forecast indicator: Estimate
Month of Order Date: January 2016
Profit: 35,152

QUESTION 50
Why we convert a numeric measure to a dimension?

A. To aggregate the field
B. To show the labels in your view
C. To use this field in LOD
D. To disaggregate the field

Correct Answer: D
Section:
Explanation:
Measures are by default aggregated. We can change measures to dimensions if we want disaggregate that field.

QUESTION 51
Connect to the 'Significant Volcano Eruption' data source. In 1899, the Dona Juana volcano erupted in Colombia. Find out which volcano in the Popayn city is the closest to Dona Juana and how many death Dona Juana volcano caused?

A. Purace, 55

B. Galeras, 55

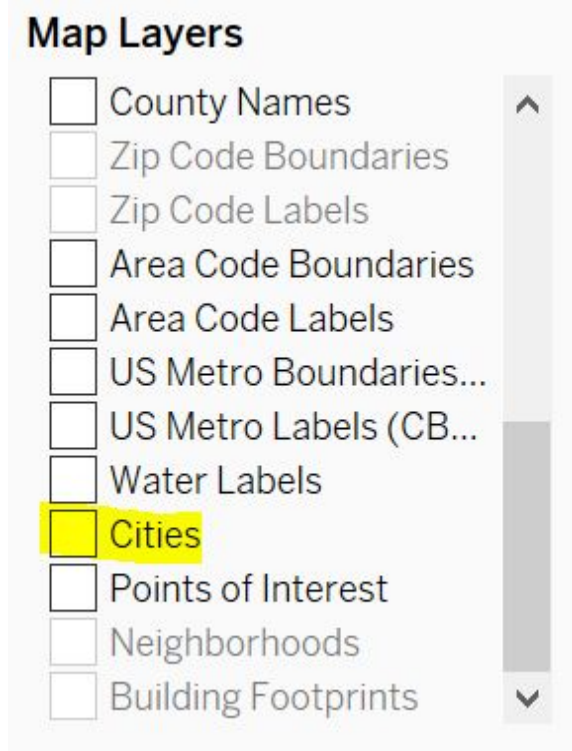C. Purace, 0

D. Galeras, 0

Correct Answer: A
Section:
Explanation:
Drop the Latitude and Longitude fields to Rows and Columns shelf respectively. Or double click on these fields.
Drop the Location field to Filter shelf, select the Location as Colombia.
Drop the Name field to the Label.
To show the cities go to the Map -> Map layer and Check the Cities.
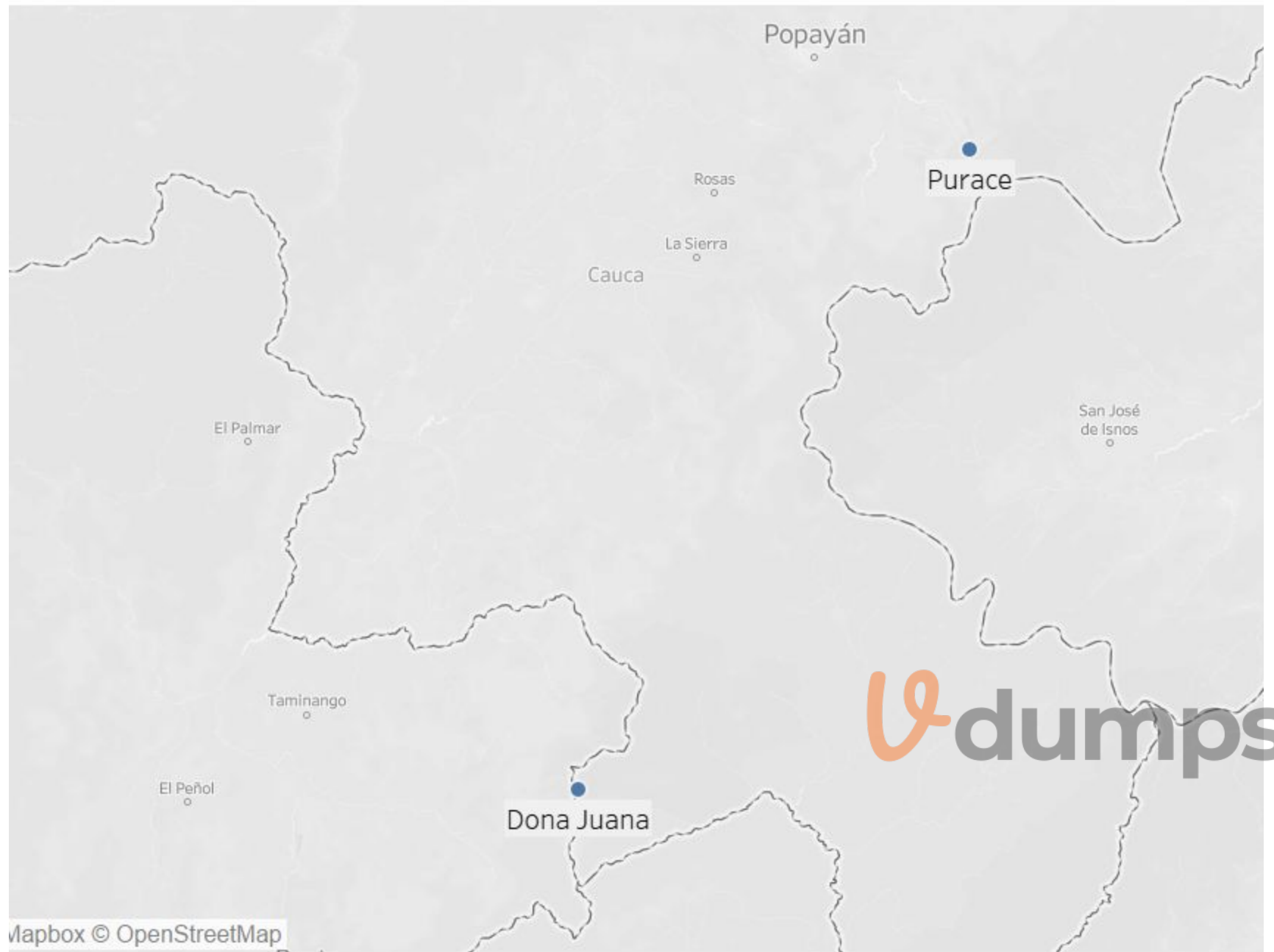

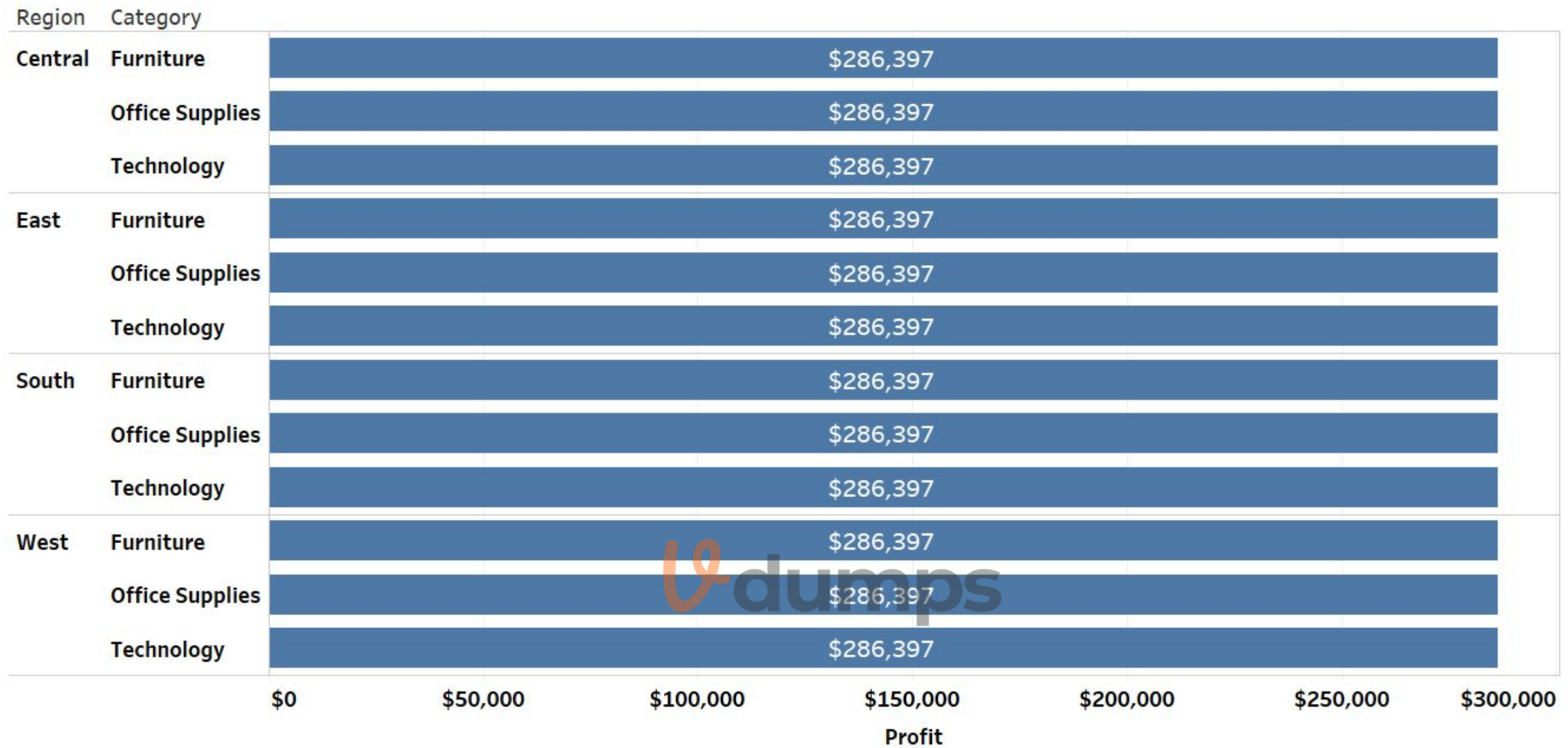Drop the Deaths and Year fields to the Tooltip. Now your view looks like this:
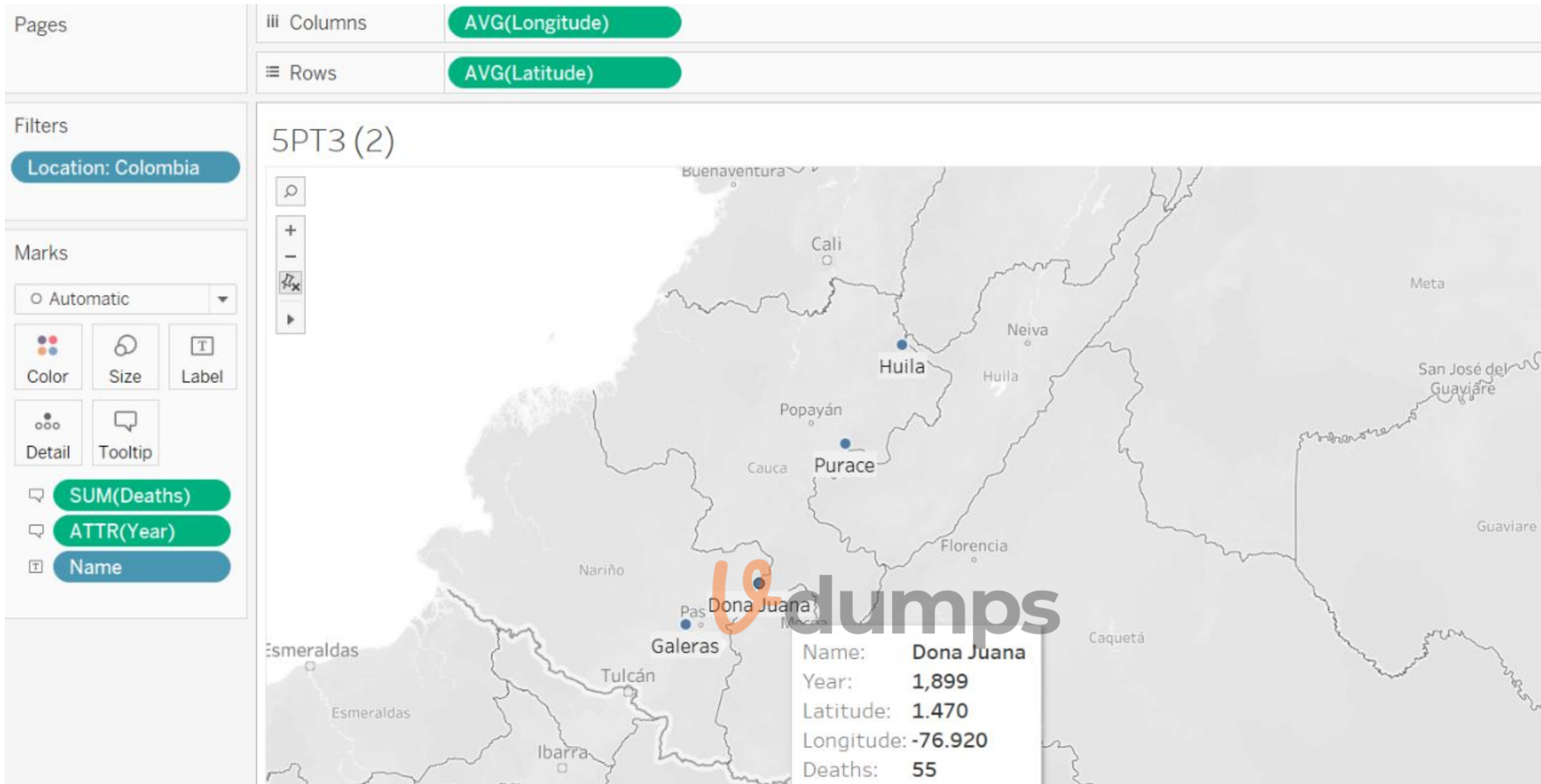
Zoom-in the map, you will find Purace is the nearest one in the Popayn city and Dona Juana was having 55 deaths.

Mapbox © OpenStreetMap

QUESTION 52
Which of the following are true regarding the data highlighter in Tableau?

A. You can turn on the highlighter for any field available in your view.

Region	Category	Profit
Central	**Furniture**	$286,397
	Office Supplies	$286,397
	Technology	$286,397
East	**Furniture**	$286,397
	Office Supplies	$286,397
	Technology	$286,397
South	**Furniture**	$286,397
	Office Supplies	$286,397
	Technology	$286,397
West	**Furniture**	$286,397
	Office Supplies	$286,397
	Technology	$286,397

B. If you update the underlying data source for your view the data shown in the highlighter is automatically updated too.

C. If you have multiple highlighters showing on a dashboard, only one highlighter can be active at a time.

D. If you want to change the format for the highlighter card after you turn it on, select Format > Highlighter.

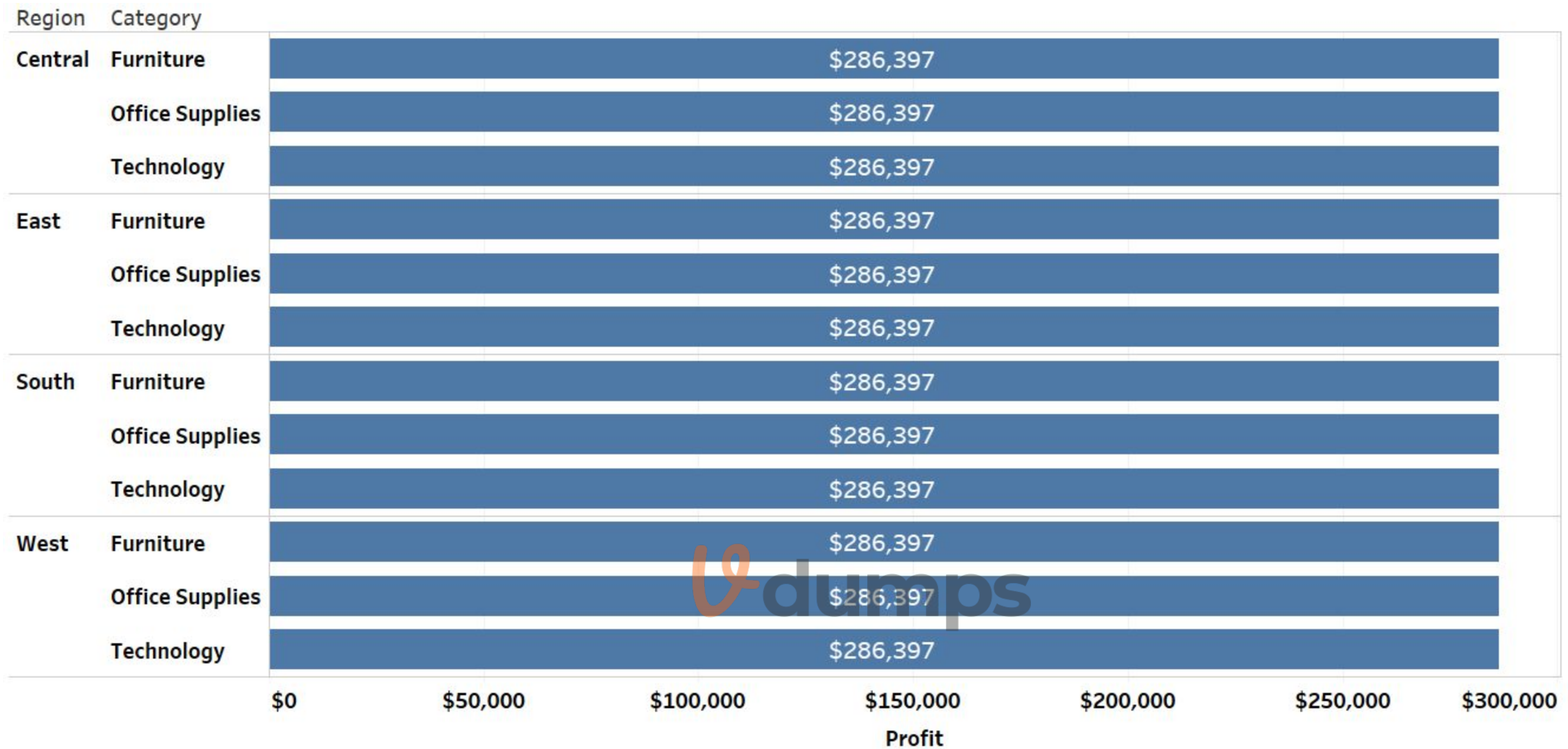**Correct Answer: B, C, D**
Section:
Explanation:
The first option is wrong here, you can turn on the highlighter only for the discrete fields in your view.
Refer: https://help.tableau.com/current/pro/desktop/en-us/actions_highlight_highlighter.htm

QUESTION 53
Which LOD calculations can be used in Columns shelf to create this view?
Larger image

A. { FIXED [Category] : SUM([Profit])}
B. { FIXED [Region] : SUM([Profit])}
C. {FIXED : SUM([Profit])}
D. {SUM([Profit])}

Correct Answer: C, D
Section:
Explanation:
{ FIXED [Category] : SUM([Profit])} - It calculates the profit of each category. In our view, all the profits values are the same, so it is not the right answer.
{ FIXED [Region] : SUM([Profit])} - It calculates the profit of each region.
{SUM([Profit])} is equivalent to {FIXED : SUM([Profit])}. It is the table level scope, which means this is the profit of the entire dataset.

QUESTION 54
Connect to the 'Significant Volcano Eruption' data source. Using the elevations field, create bins of size 1000 and find out in which bin has the most total deaths?

A. 0
B. 1000
C. 2000
D. 3000

Correct Answer: C
Section:
Explanation:
Select the 'Elevation' field from measures, and go to show me. Click on Histogram.
Right-Click on the 'Elevation (bin)' dimension and select Edit. Change the size of bins to 1000.

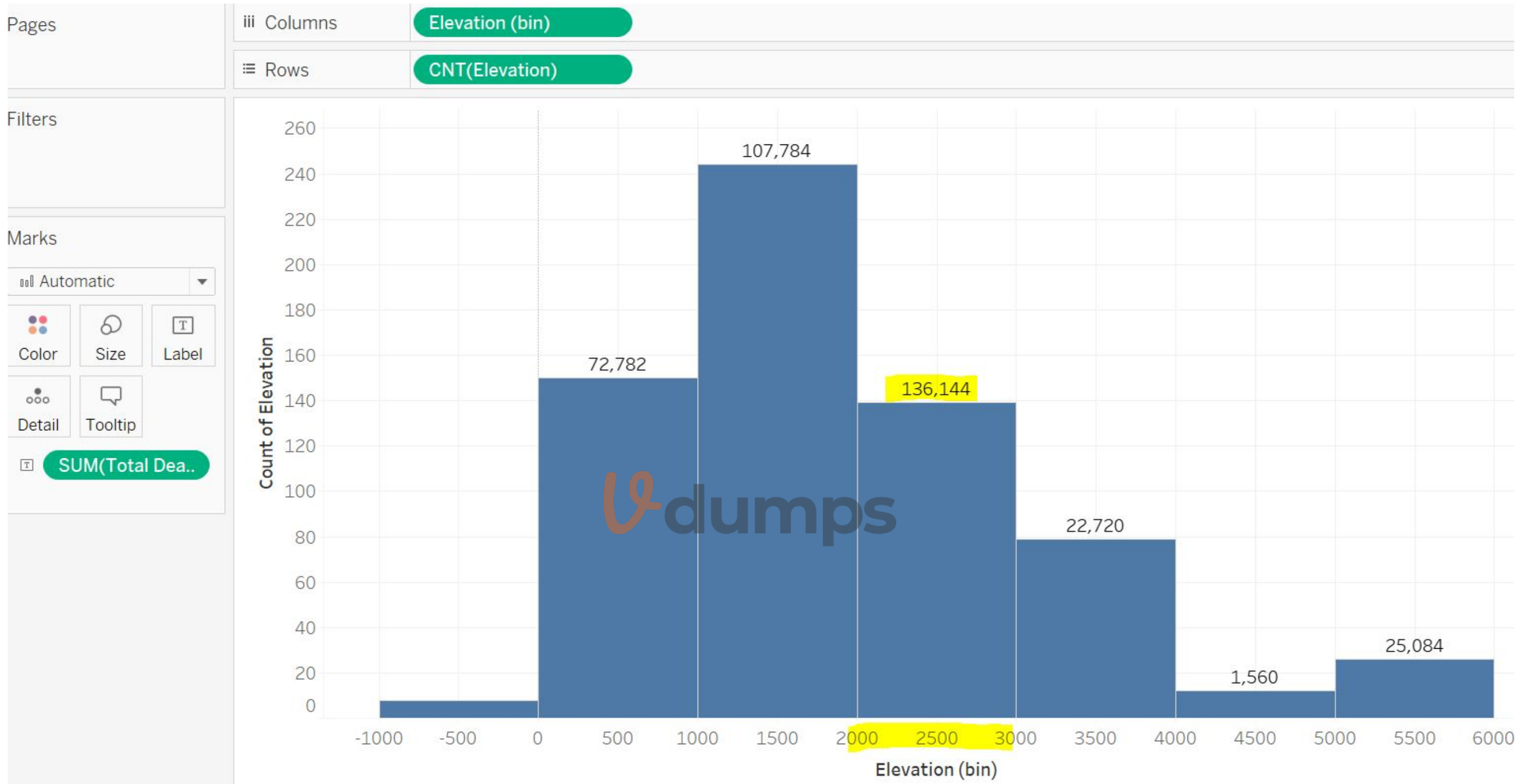Edit Bins [Elevation]   ✕

New field name: Elevation (bin)

Size of bins: 1000   ⌄   Suggest Bin Size

Range of Values:

Min: -642   Diff: 6,609

Max: 5,967   CntD: 229

                    OK   Cancel

Drop the Total Death to Label.

The total number of deaths reported in the bin of 2000.
Note that the lower limit is inclusive. So 2000 bin means 2000 to 2999.

QUESTION 55
Tableau automatically associates continuous fields with categorical palettes.

A. True
B. False

Correct Answer: B

Tableau automatically associates discrete fields with categorical palettes
Refer: https://help.tableau.com/current/pro/desktop/en-us/visual_best_practices.htm

QUESTION 56
In LOD calculation, we can use fields from multiple data sources (blended data source)?

A. True

B. False

Correct Answer: B
Section:
Explanation:

Here, the Location is in a primary data source, and the population field is in a secondary data source.
So the answer is FALSE.