Assignment CA-2                          E0121052

Using Sample-Superstore dataset

1. You have ORDER_DATE as a field in the view. You would want to change the format of the field from string to date. Which function would you use to get a Date from a String?
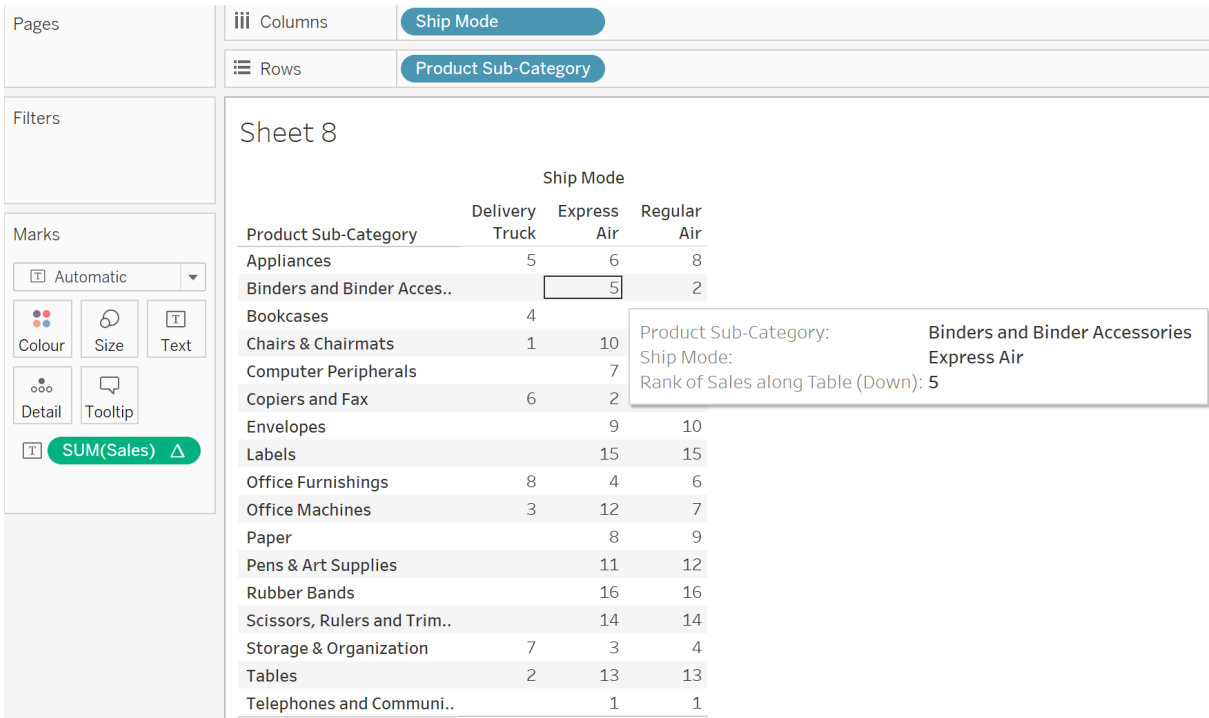
  Ans: DATE([ORDER_DATE])

2.  A Rank function used in a calculated field to display the customer names with highest profits would be?

  Ans: RANK (sum([Profit]),'desc')

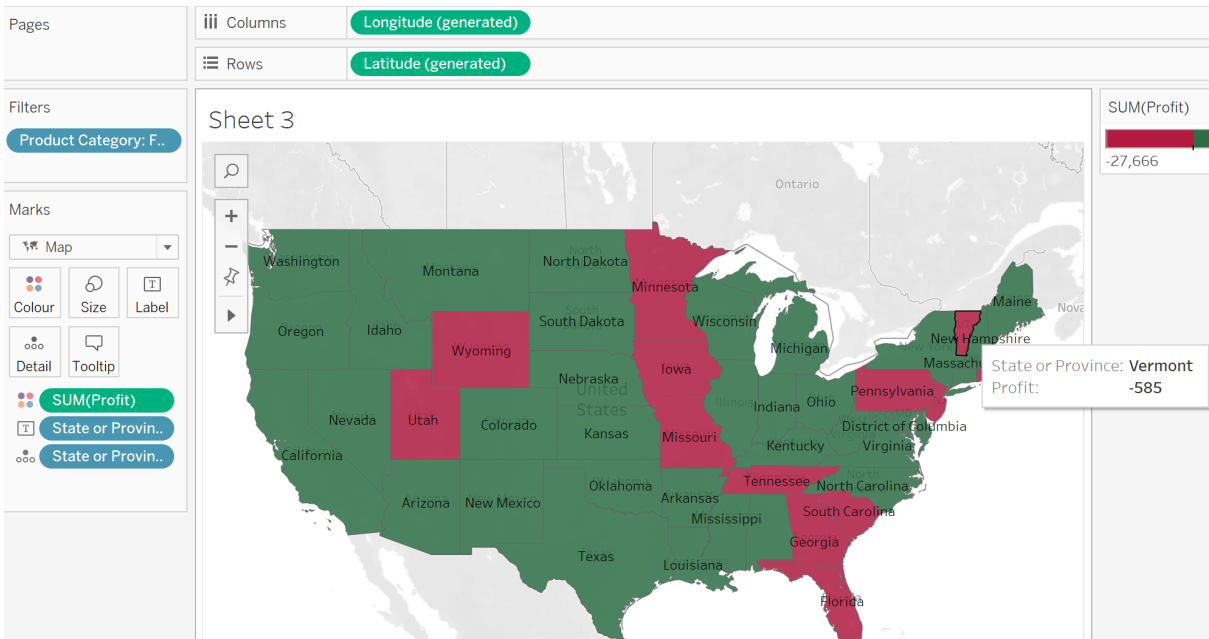3.For items shipped in July of 2012, what percent of sales were sent in a Large Box?

| Product Container | |
|---|---|
| Jumbo Box | 14.54% |
| Jumbo Drum | 40.75% |
| Large Box | 11.95% |
| Medium Box | 6.13% |
| Small Box | 22.51% |
| Small Pack | 3.23% |
| Wrap Bag | 0.89% |

## 4. Find the top product subcategories by Sales within each delivery method. The second highest subcategory for Regular Air sales is ranked #_____ for Express Air.

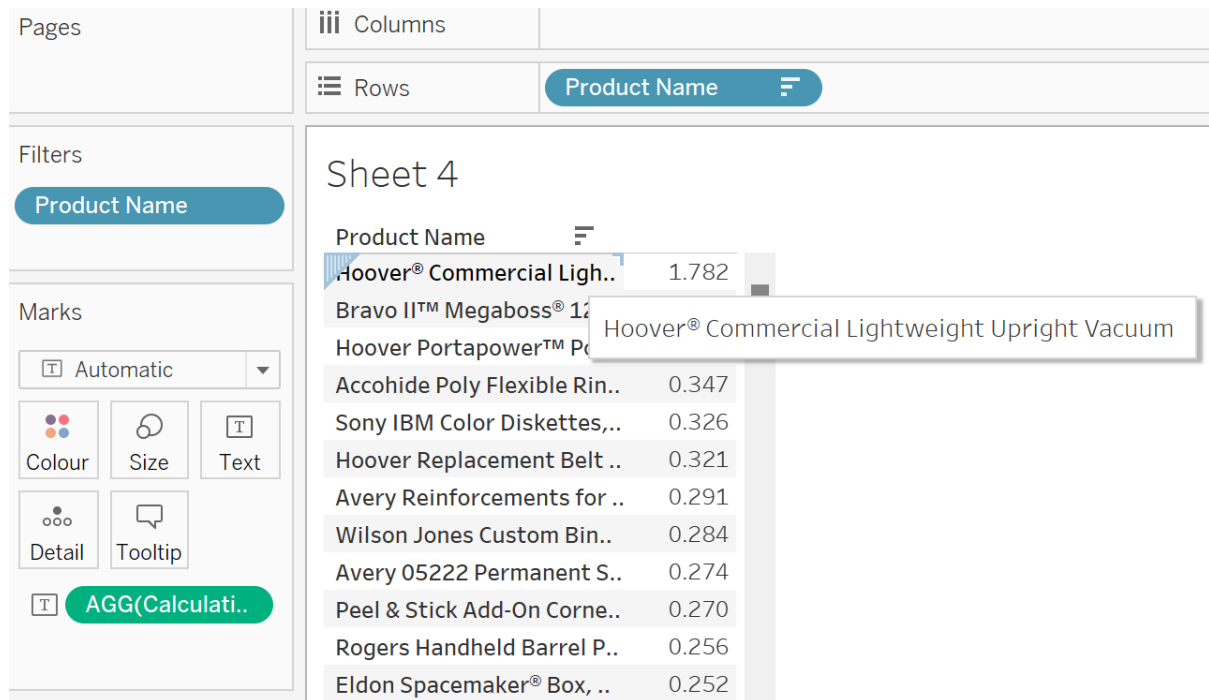| Pages | | |
|---|---|---|
| | **⫶⫶⫶ Columns** | Ship Mode |
| | **☰ Rows** | Product Sub-Category |

**Sheet 8**

| | | Ship Mode | |
|---|---|---|---|
| Product Sub-Category | Delivery Truck | Express Air | Regular Air |
| Appliances | 5 | 6 | 8 |
| Binders and Binder Acces.. | | 5 | 2 |
| Bookcases | 4 | | |
| Chairs & Chairmats | 1 | 10 | |
| Computer Peripherals | | 7 | |
| Copiers and Fax | 6 | 2 | |
| Envelopes | | 9 | 10 |
| Labels | | 15 | 15 |
| Office Furnishings | 8 | 4 | 6 |
| Office Machines | 3 | 12 | 7 |
| Paper | | 8 | 9 |
| Pens & Art Supplies | | 11 | 12 |
| Rubber Bands | | 16 | 16 |
| Scissors, Rulers and Trim.. | | 14 | 14 |
| Storage & Organization | 7 | 3 | 4 |
| Tables | 2 | 13 | 13 |
| Telephones and Communi.. | | 1 | 1 |

Marks
- Automatic
- Colour
- Size
- Text
- Detail
- Tooltip
- SUM(Sales) △

Tooltip box:
| | |
|---|---|
| Product Sub-Category: | Binders and Binder Accessories |
| Ship Mode: | Express Air |
| Rank of Sales along Table (Down): | 5 |

**Ans: 5**

## 5. In the furniture category, which unprofitable state is surrounded by only profitable states?

| Pages | | |
|---|---|---|
| | **⫶⫶⫶ Columns** | Longitude (generated) |
| | **☰ Rows** | Latitude (generated) |

Filters
- Product Category: F..

**Sheet 3**

SUM(Profit)
-27,666

Marks
- Map
- Colour
- Size
- Label
- Detail
- Tooltip
- SUM(Profit)
- State or Provin..
- State or Provin..



Tooltip box:
| | |
|---|---|
| State or Province: | Vermont |
| Profit: | -585 |

Ans: Vermont

## 6. Which product has the highest ship cost to sales ratio?

| Pages | | | iii Columns | |
|---|---|---|---|---|
| | | | ≡ Rows | Product Name |

Sheet 4

| Product Name | |
|---|---|
| Hoover® Commercial Ligh.. | 1.782 |
| Bravo II™ Megaboss® 12 | Hoover® Commercial Lightweight Upright Vacuum |
| Hoover Portapower™ P( | |
| Accohide Poly Flexible Rin.. | 0.347 |
| Sony IBM Color Diskettes,.. | 0.326 |
| Hoover Replacement Belt .. | 0.321 |
| Avery Reinforcements for .. | 0.291 |
| Wilson Jones Custom Bin.. | 0.284 |
| Avery 05222 Permanent S.. | 0.274 |
| Peel & Stick Add-On Corne.. | 0.270 |
| Rogers Handheld Barrel P.. | 0.256 |
| Eldon Spacemaker® Box, .. | 0.252 |

Filters: Product Name

Marks: Automatic — Colour, Size, Text, Detail, Tooltip, AGG(Calculati..

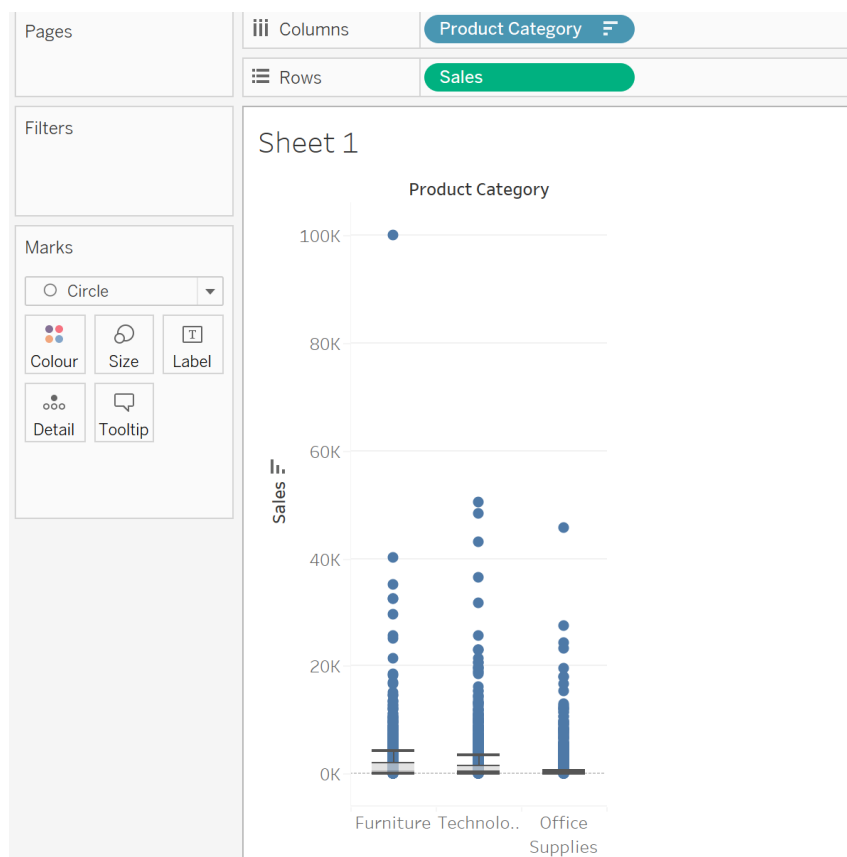Ans: Hoover® Commercial Lightweight Upright Vacuum

## 7. Find the customer with the highest profit. What is his or her average shipping cost per order?
 [Hint: to calculate the shipping cost per order you will need to calculate the number of orders using the count distinct function]
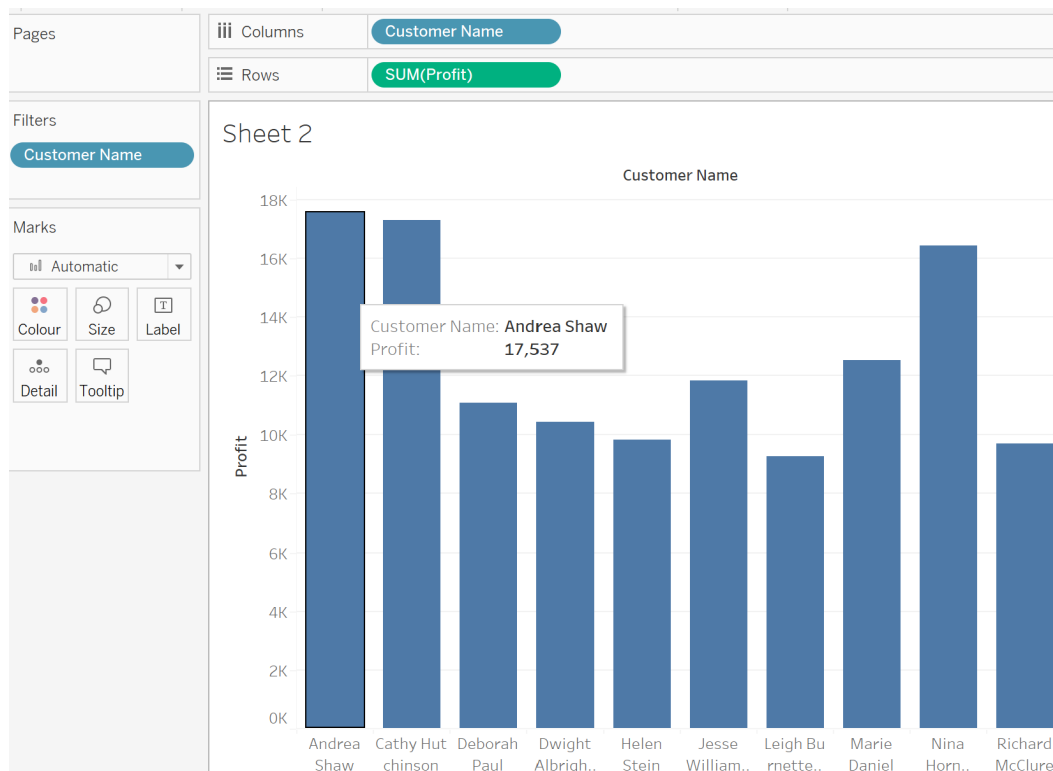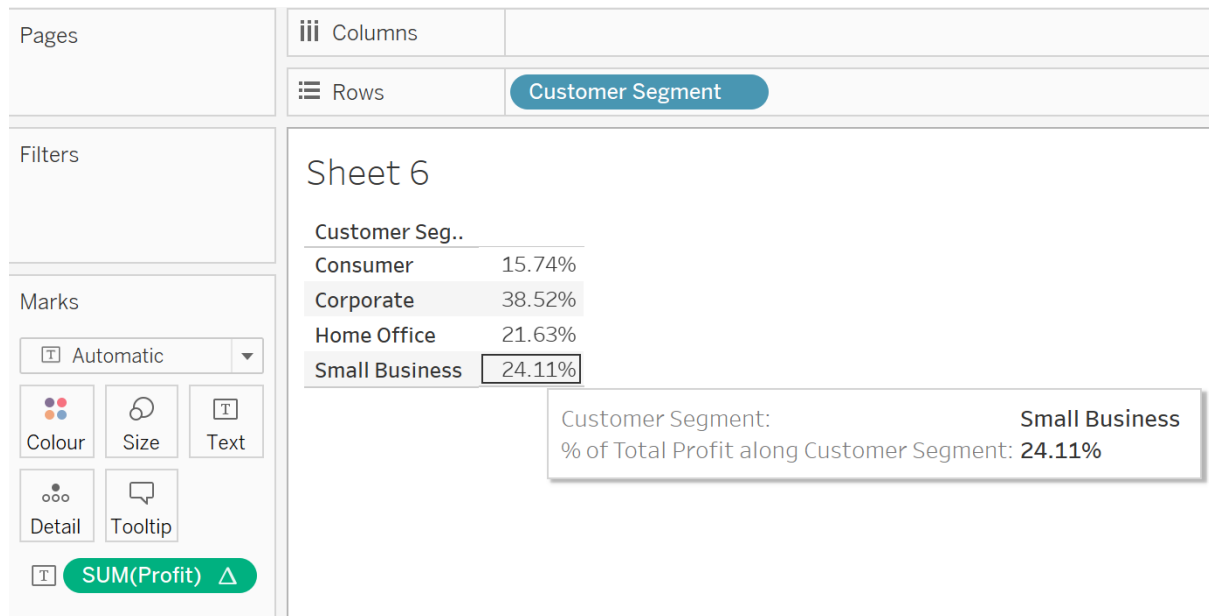
Ans: Andrea Shaw

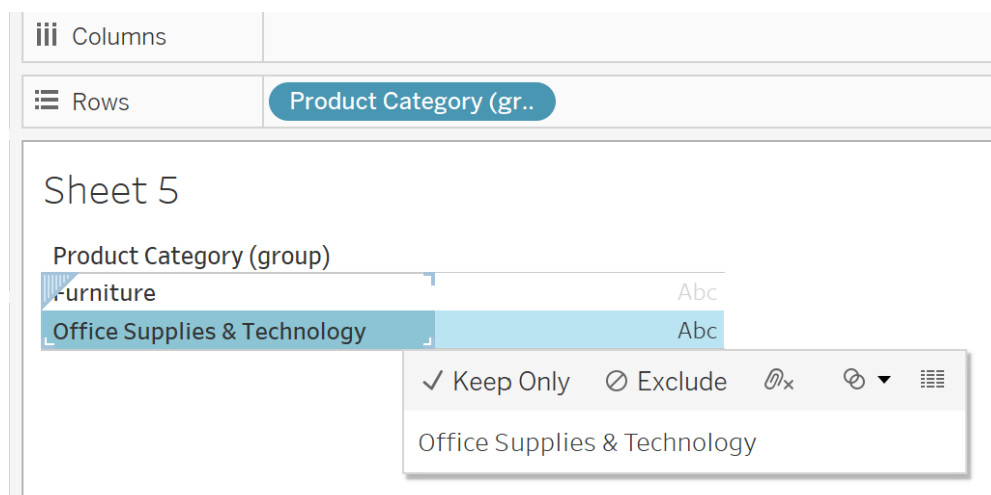## 8. Which product category has the largest interquartile range for sales?

Ans: Furniture

9. There are four customer segments in the Superstore data set. What percent of the total profits are associated with the Small Business segment?

| Pages | iii Columns | |
|---|---|---|
| | ☰ Rows | Customer Segment |

**Filters**

**Sheet 6**

Customer Seg..
| | |
|---|---|
| Consumer | 15.74% |
| Corporate | 38.52% |
| Home Office | 21.63% |
| Small Business | 24.11% |

**Marks**

⊞ Automatic ▾

Colour  Size  Text

Detail  Tooltip

T  SUM(Profit)  △

Customer Segment:            Small Business
% of Total Profit along Customer Segment: **24.11%**

Ans: 24.11%

10. Suppose that your data has a dimension called "Product Category," which has the values "Furniture," "Office Supplies," and "Technology." Which of the following should you use to combine Furniture and Office Supplies into a single category?
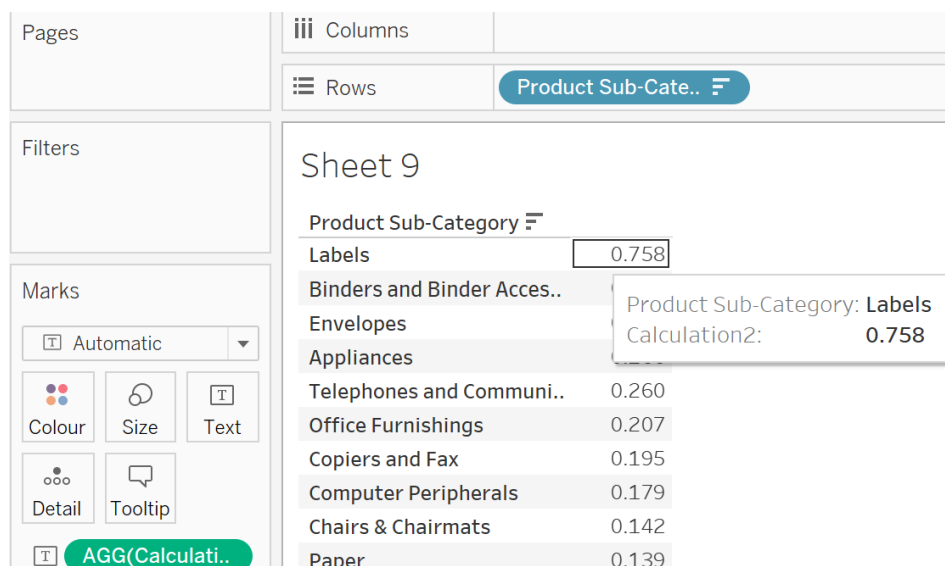
| iii Columns | |
|---|---|
| ☰ Rows | Product Category (gr.. |

**Sheet 5**

Product Category (group)
| | |
|---|---|
| Furniture | Abc |
| Office Supplies & Technology | Abc |

✓ Keep Only  ⊘ Exclude  🖉×  ⊘ ▾  ☷

Office Supplies & Technology

Ans: Group

## 11. Find the total profit for the South region for items ordered in 2011.
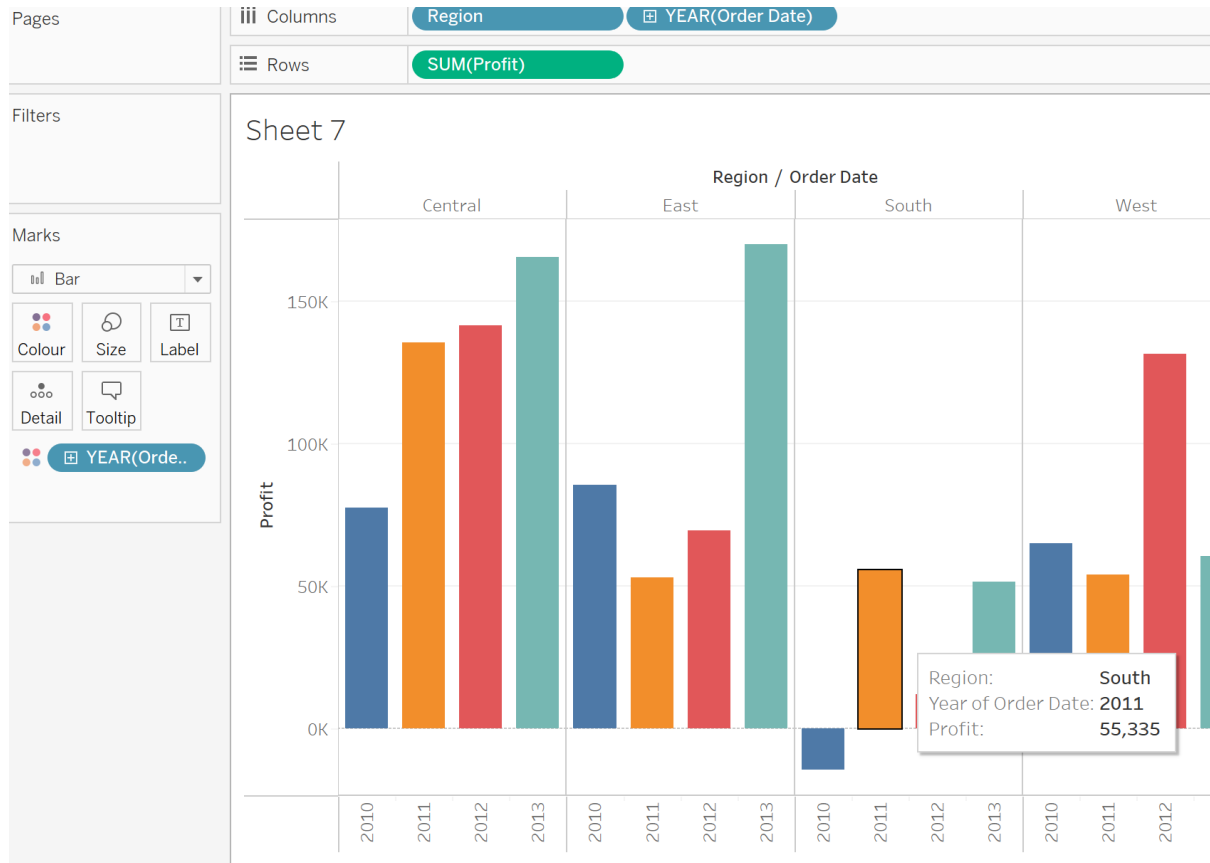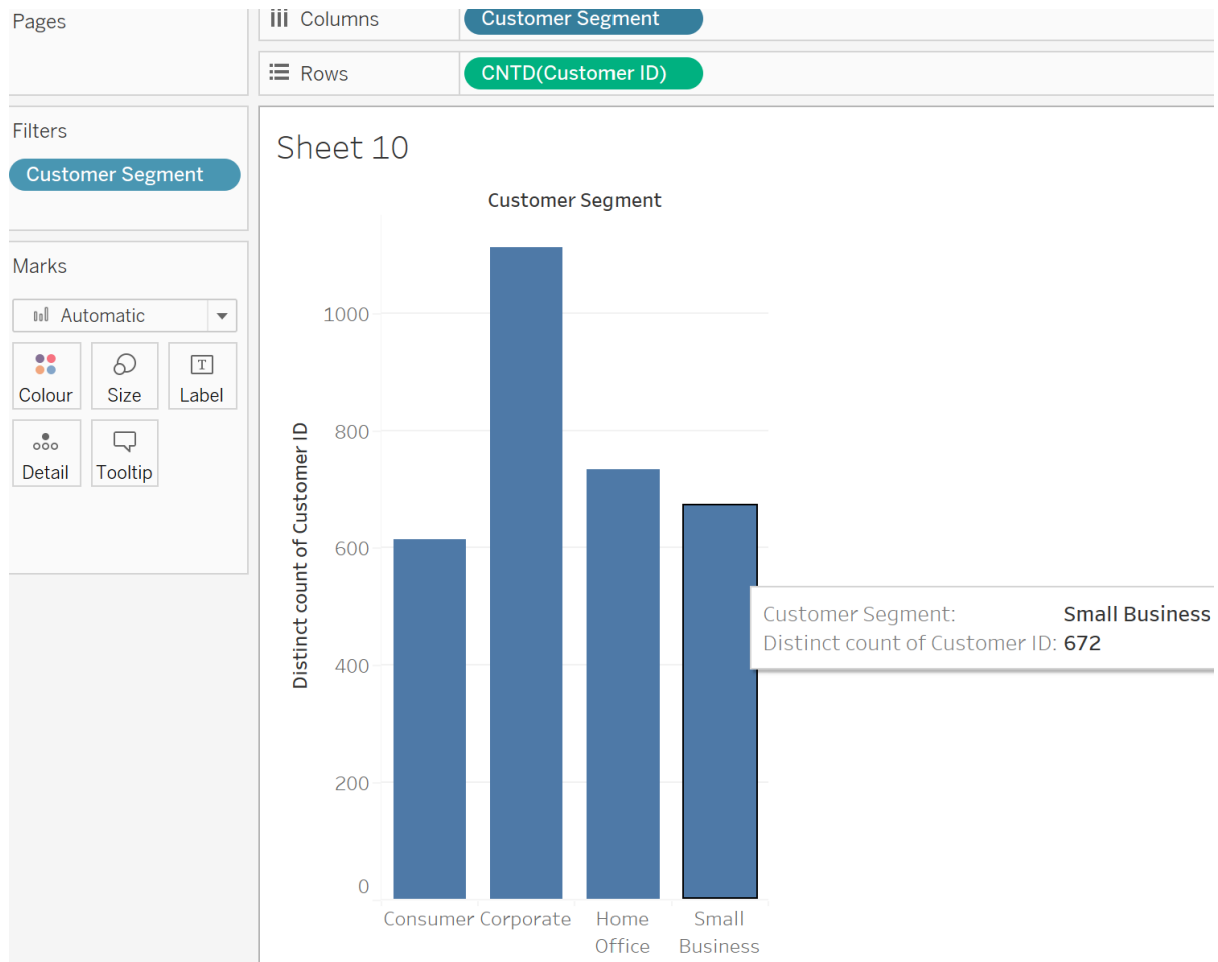


Ans:55,335

## 12. Which product subcategory has the highest ratio of profit to sales?

Ans: Labels

## 13. Find the total number of Small Business customers placing orders from the superstore



Ans: 672

## 14. A dimension is a field that typically holds

Ans: Discrete qualitative data

## 15. Dates are typically treated as

Ans: Dimensions

16. Which of the following charts types always includes bars sorted in descending order?

Ans: Pareto Chart

17. When might you want to use a context filter?

Ans: When you want to FIRST apply a filter and THEN show the Top N or Bottom N elements

18.The globe icon next to a field means that field is

Ans: Geographic

19. Which of the following charts uses binned data?

Ans: Histogram

20. Is it conceivable to convey a URL activity on a dashboard question open a Site page inside a dashboard as opposed to opening the framework's internet browser?

Ans: Valid, with the utilization of a Site page