

ASSIGNMENT 2

- Using Superstore_Canada dataset to create the summary tables as asked and answer the questions.

Summary Table 1

Product Sub-Category	Product Category	Avg. Discount	Max. Product Ba..	Profit	Sales	Avg. Shipping C..	Median Unit Price
Appliances	Office Supplies	5.06%	60%	97,158	736,992	16	43
Binders and Binder Acces..	Office Supplies	5.04%	40%	307,413	1,022,958	7	9
Bookcases	Furniture	4.81%	78%	-33,582	822,652	46	131
Chairs & Chairmats	Furniture	5.03%	78%	149,650	1,761,837	40	151
Computer Peripherals	Technology	4.86%	80%	94,287	795,876	5	30
Copiers and Fax	Technology	5.15%	54%	167,361	1,130,361	28	550
Envelopes	Office Supplies	4.89%	40%	48,183	174,086	7	12
Labels	Office Supplies	4.95%	39%	13,677	38,982	1	4
Office Furnishings	Furniture	4.88%	79%	100,428	698,094	11	18
Office Machines	Technology	5.05%	60%	307,713	2,168,697	21	151
Paper	Office Supplies	4.94%	40%	45,263	446,453	6	6
Pens & Art Supplies	Office Supplies	5.13%	60%	7,565	167,107	3	4
Rubber Bands	Office Supplies	5.15%	85%	-103	15,007	1	3
Scissors, Rulers and Trim..	Office Supplies	4.92%	84%	-7,799	80,996	5	9
Storage & Organization	Office Supplies	5.11%	85%	6,664	1,070,183	18	35
Tables	Furniture	4.99%	80%	-99,063	1,896,008	57	213
Telephones and Communi..	Technology	4.80%	85%	316,952	1,889,314	5	86

Summary Table 2

		Ship Mode		
Customer Segment		Delivery Truck	Express Air	Regular Air
Consumer	Order Quantity	5,723	4,733	31,304
	Avg. Shipping Cost	46	9	8
Corporate	Order Quantity	10,682	9,280	58,555
	Avg. Shipping Cost	46	7	8
Home Office	Order Quantity	6,545	6,347	39,915
	Avg. Shipping Cost	45	8	8
Small Business	Order Quantity	5,814	4,993	30,886
	Avg. Shipping Cost	45	8	8

QnA

A. What are the total sales of the store?

Total Sales

14,915,601

B. What is the total sales of product category = "Furniture"?

Total Sales

Product Catego..

Furniture	5,178,591
Office Supplies	3,752,762
Technology	5,984,248

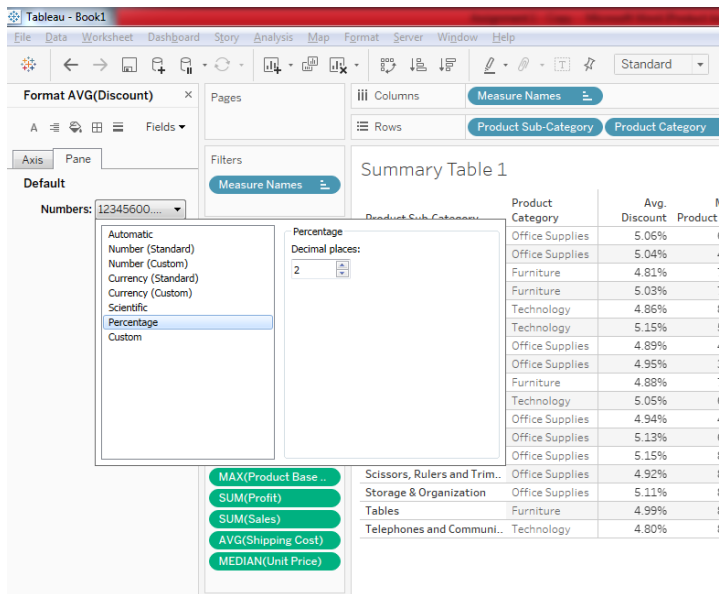
C. What is the total sales of product category = "Furniture" sold to Customer Segment = "Corporate"?

Total Sales

Product Cat.. Customer Seg..

Furniture	Consumer	1,128,807
	Corporate	1,862,841
	Home Office	1,285,346
	Small Business	901,597
Office Supplies	Consumer	691,382
	Corporate	1,341,316
	Home Office	960,054
	Small Business	760,010
Technology	Consumer	1,243,422
	Corporate	2,294,749
	Home Office	1,319,364
	Small Business	1,126,714

D. Set the default number format of Discount to percentage with 2 decimal places.



E. Find average discount on each order priority. Which order priority has highest average discount?

Discount-Order Priority

Order Priority	
Critical	4.99%
High	4.94%
Low	5.04%
Medium	5.02%
Not Specified	4.85%

F. For Product Container = "Large Box" which Ship Mode has lowest average shipping cost?

Ship Modes

Ship Mode	Product Container						
	Jumbo Box	Jumbo Drum	Large Box	Medium Box	Small Box	Small Pack	Wrap Bag
Delivery Truck	50.86	40.66					
Express Air			29.78	14.65	7.24	4.69	2.54
Regular Air	4.46	5.40	31.16	11.86	7.23	4.33	2.69

Express Air

G. For Product Container = “Medium Box” which Ship Mode has lowest average shipping cost?

Ship Modes

Ship Mode	Product Container						
	Jumbo Box	Jumbo Drum	Large Box	Medium Box	Small Box	Small Pack	Wrap Bag
Delivery Truck	50.86	40.66					
Express Air			29.78	14.65	7.24	4.69	2.54
Regular Air	4.46	5.40	31.16	11.86	7.23	4.33	2.69

Regular Air

H. Which Ship Mode uses only “Jumbo” sized Product Containers?

Ship Modes

Ship Mode	Product Container						
	Jumbo Box	Jumbo Drum	Large Box	Medium Box	Small Box	Small Pack	Wrap Bag
Delivery Truck	50.86	40.66					
Express Air			29.78	14.65	7.24	4.69	2.54
Regular Air	4.46	5.40	31.16	11.86	7.23	4.33	2.69

Delivery Truck

I. Which Ship Mode doesn’t entertain “Jumbo” sized Product Containers?

Ship Modes

Ship Mode	Product Container						
	Jumbo Box	Jumbo Drum	Large Box	Medium Box	Small Box	Small Pack	Wrap Bag
Delivery Truck	50.86	40.66					
Express Air			29.78	14.65	7.24	4.69	2.54
Regular Air	4.46	5.40	31.16	11.86	7.23	4.33	2.69

Express Air