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## **Tableau- Assignment 8**

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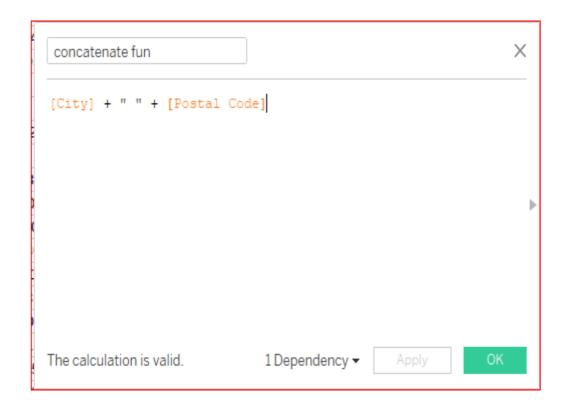
- 1. You can do calculations on the data values in your fields using number functions. Only fields with numerical values can be used with number functions. With the help of a dataset of your own choice, illustrate the use of the string functions CEILING (number) and FLOOR (number). Mention your inferences from the illustration.
  - ➤ CEILING This function rounds a number to the nearest integer of equal or greater value.
  - > FLOOR This function rounds a number to the nearest integer of equal or lesser value.

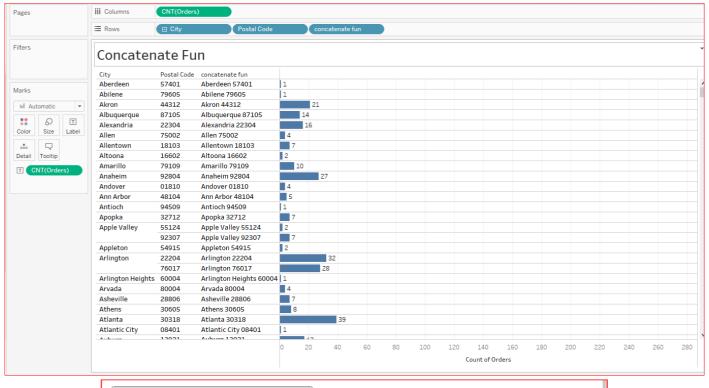
# Orders Profit	=# Calculation ceiling fun	=# Calculation floor fun
5.55	6	5
-5.49	-5	-6
4.27	5	4
-64.77	-64	-65
4.88	5	4
746.41	747	746
1.48	2	1
5.24	6	5
274.49	275	274
0.31	1	О
3.01	4	3
9.33	10	9
204.11	205	204
113.67	114	113
-53.71	-53	-54
-18.25	-18	-19
1.17	2	1
9.75	10	9

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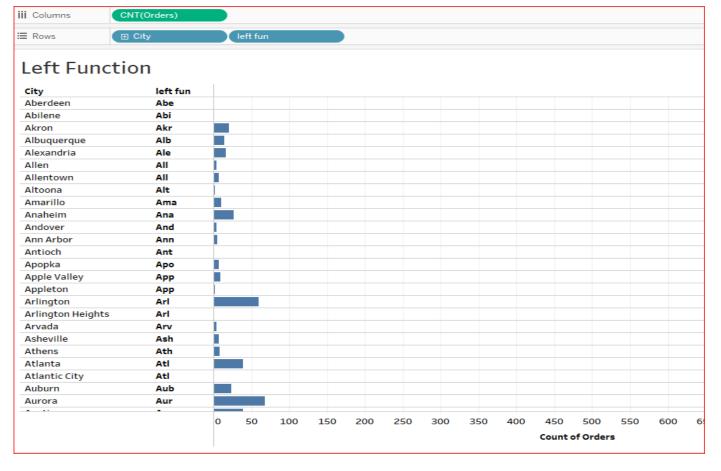


2. Tableau has a few string methods to make dealing with strings possible. With the help of a dataset of your own choice, illustrate the use of the string functions- concatenation, left() and Find(). Mention your inferences from the illustration.



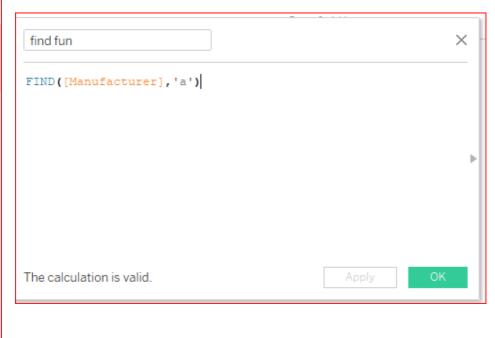


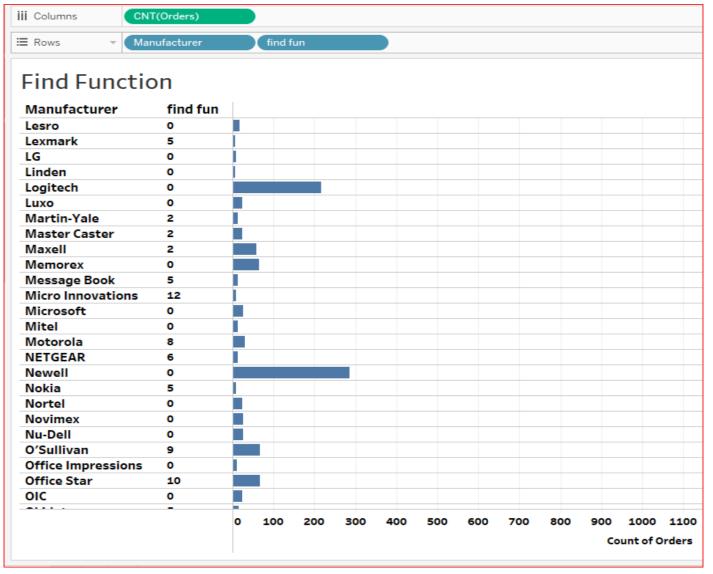






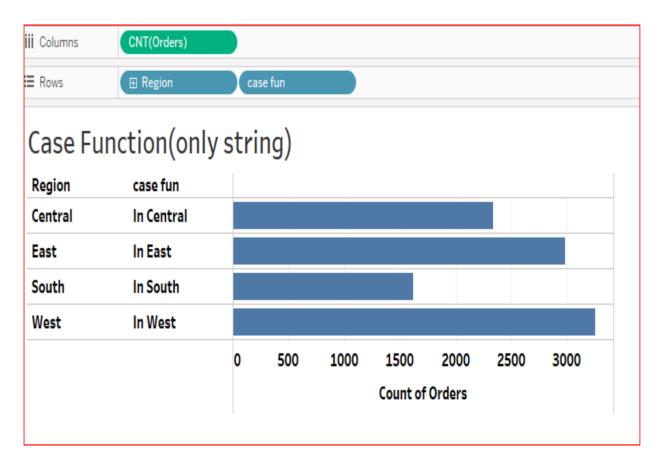
=# Calculation find fun	Group Manufacturer
5	Message Book
0	GBC
1	Avery
2	SAFCO
1	Avery
5	Global
0	Rogers
0	Dixon
0	Ibico
1	Alliance
0	Southworth
0	Xerox
0	Other
0	GE
4	Howard Miller
1	Acco
0	Newell



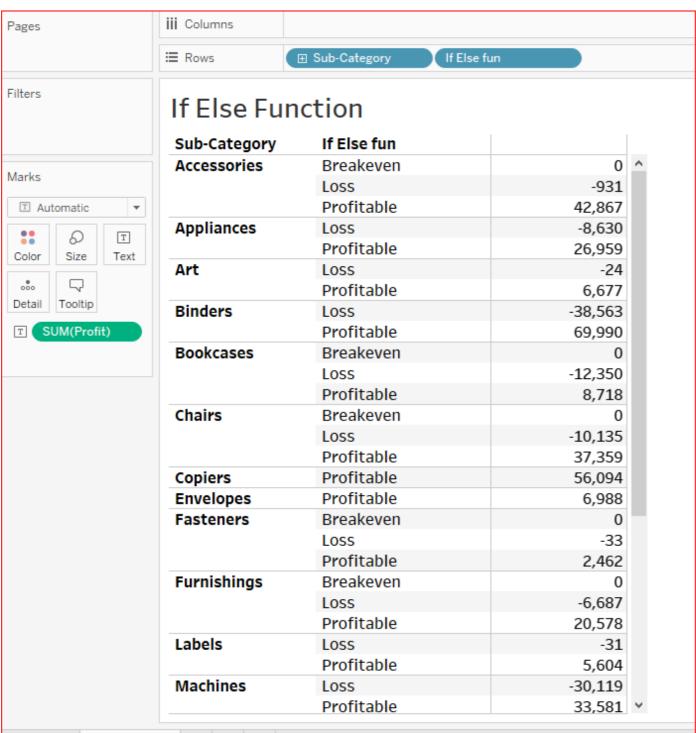


3. Tableau has a few logical methods to make dealing with strings possible. With the help of a dataset of your own choice, illustrate the use of the logic functions- CASE() and IF ELSE(). Mention your inferences from the illustration.

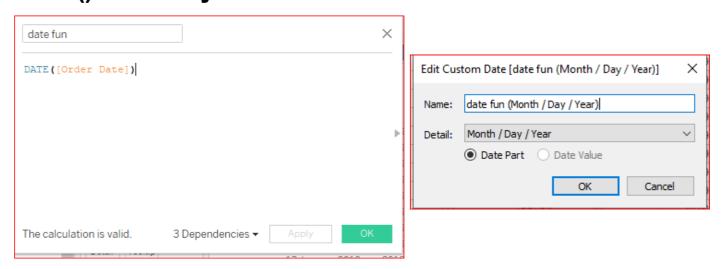


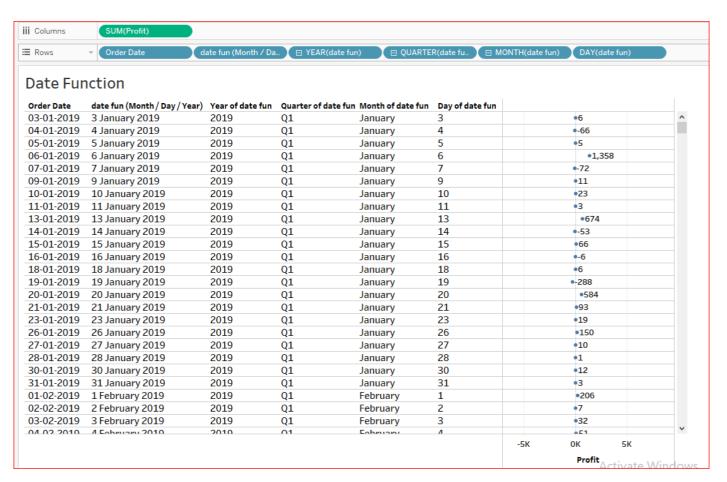




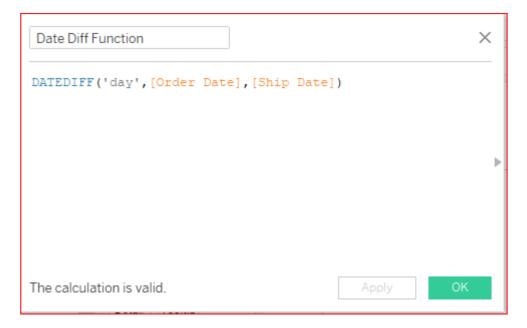


4. Tableau has a few date methods to make dealing with dates possible. With the help of a dataset of your own choice, illustrate the use of the date functions- DATEDIFF() and DATE(). Mention your inferences from the illustration.





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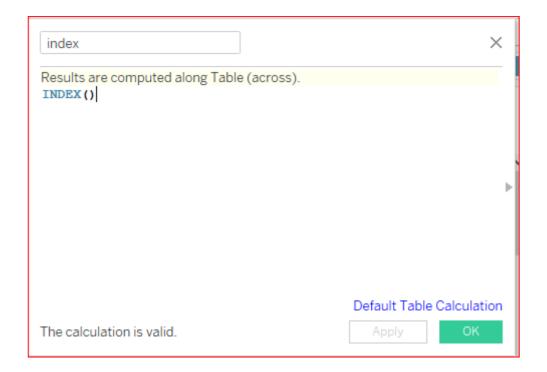
<b>≐</b> Orders	<b>□</b> Orders	
Order Date	Ship Date	
03-01-2019	07-01-2019	
04-01-2019	08-01-2019	
04-01-2019	08-01-2019	
04-01-2019	08-01-2019	
05-01-2019	12-01-2019	
06-01-2019	10-01-2019	
06-01-2019	10-01-2019	
06-01-2019	07-01-2019	
06-01-2019	10-01-2019	
06-01-2019	10-01-2019	
06-01-2019	10-01-2019	
06-01-2019	08-01-2019	
06-01-2019	10-01-2019	
06-01-2019	10-01-2019	
07-01-2019	12-01-2019	
07-01-2019	12-01-2019	
09-01-2019	13-01-2019	
09-01-2019	13-01-2019	

=# Calculation	*
Date Diff Function	Ξ
	4
	4
	4
	4
	7
	4
	4
	1
	4
	4
	4
	2
	4
	4
	5
	5
	4
WS	4

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5. Calculations that are performed on a whole table are called table calculations. Table computations basically involve applying some sort of aggregation level to values that are returned from the database. With the help of a dataset of your own choice, illustrate the use of the table calculations- First() and Index(). Mention your inferences from the illustration.

First fun		×
Results are computed along FIRST ()	Table (across).	
		•
The calculation is valid.	1 Dependency ▼	Default Table Calculation  Apply  OK



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