## **Tableau- Assignment 8**

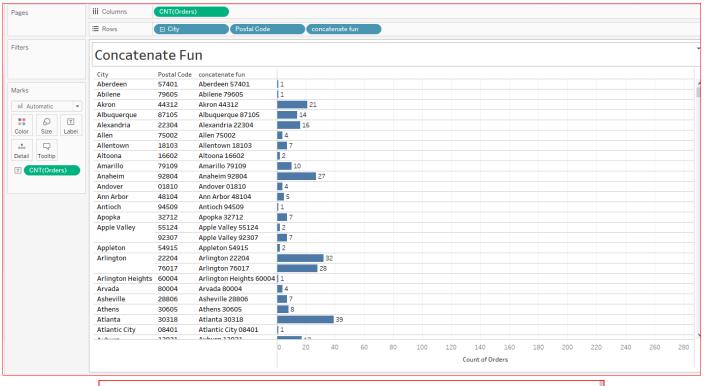
- 1. You can do calculations on the data values in your fields using number functions. Only fields with numerical values can be used with number functions. With the help of a dataset of your own choice, illustrate the use of the string functions CEILING (number) and FLOOR (number). Mention your inferences 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 <b>Profit</b>	=# 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	0
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

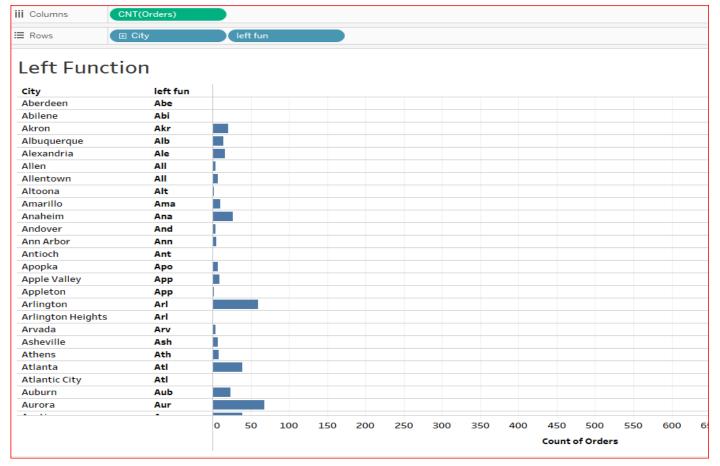


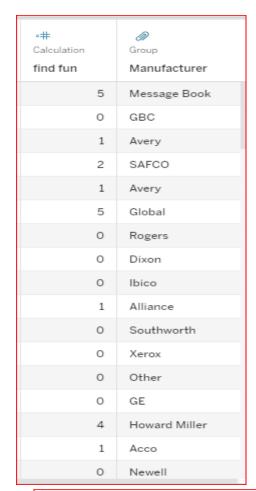
2. Tableau has a few string methods to make dealing with strings possible. With the help of a dataset of your own choice, illustrate the use of the string functions- concatenation, left() and Find(). Mention your inferences from the illustration.

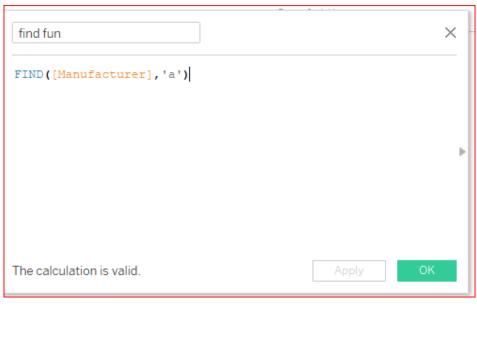


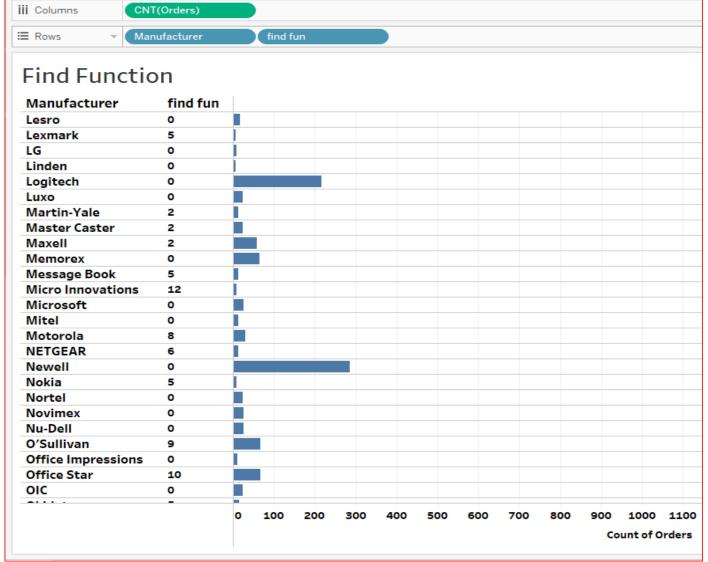






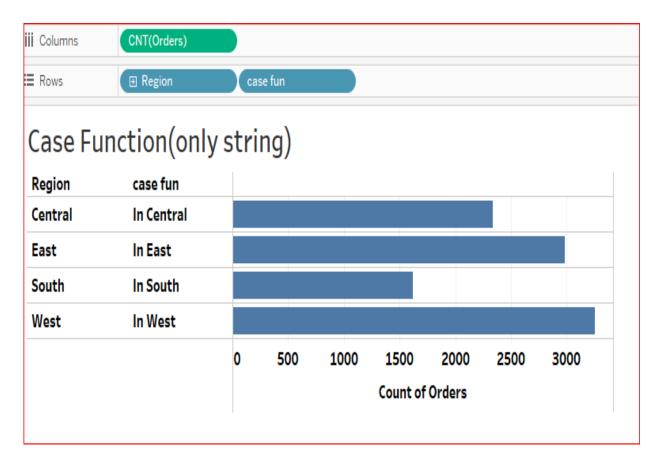




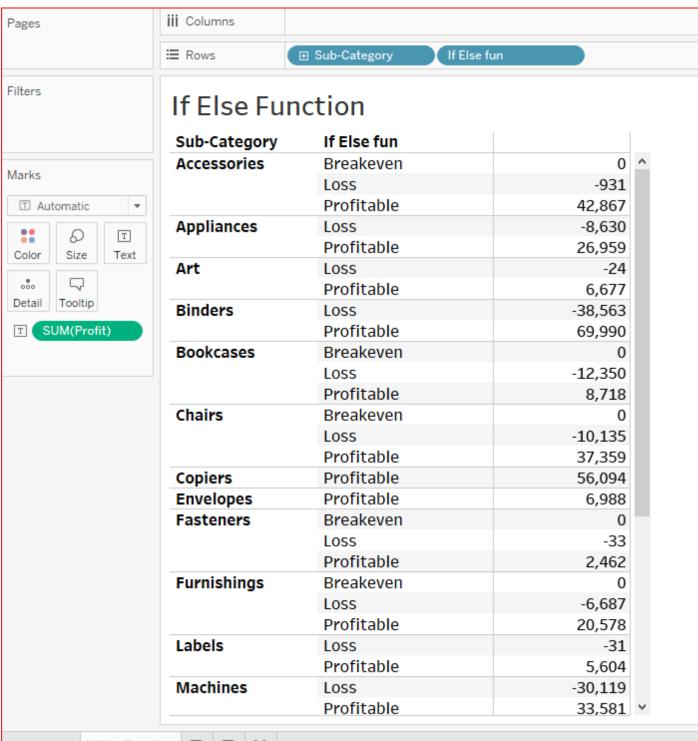


3. Tableau has a few logical methods to make dealing with strings possible. With the help of a dataset of your own choice, illustrate the use of the logic functions- CASE() and IF ELSE(). Mention your inferences from the illustration.

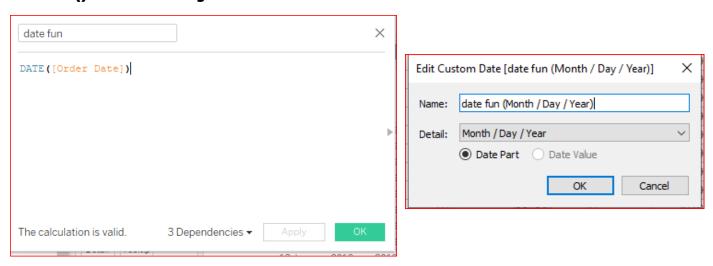


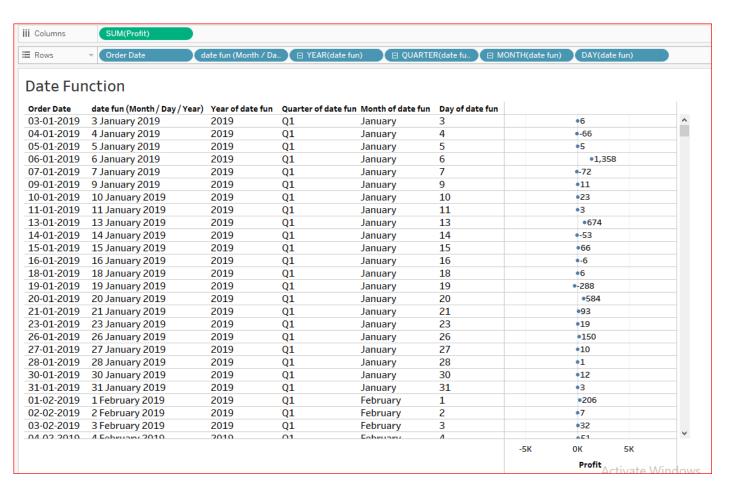






4. Tableau has a few date methods to make dealing with dates possible. With the help of a dataset of your own choice, illustrate the use of the date functions- DATEDIFF() and DATE(). Mention your inferences from the illustration.







<del>=</del>	<del>=</del>
Orders	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

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).	
		<b>&gt;</b>
The calculation is valid.	1 Dependency ▼	Default Table Calculation  Apply  OK

