ASSIGNMENT-4

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REGNO:21BCE033
The data set I used is a global superstore

LOD:

1)Cohort analysis

Cohort:FIXED		✕

```
{FIXED [Customer ID]:MIN(YEAR([Order Date]))}
```

The calculation is valid.   1 Dependency ▾   Apply   OK

Cohort:FIXE..	2011	2012	2013	2014	Grand Total
2011	1,309	1,163	1,228	1,256	1,309
2012		210	174	192	210
2013			56	48	56
2014				15	15
Grand Total	1,309	1,373	1,458	1,511	1,590

2)Daily profit KPI

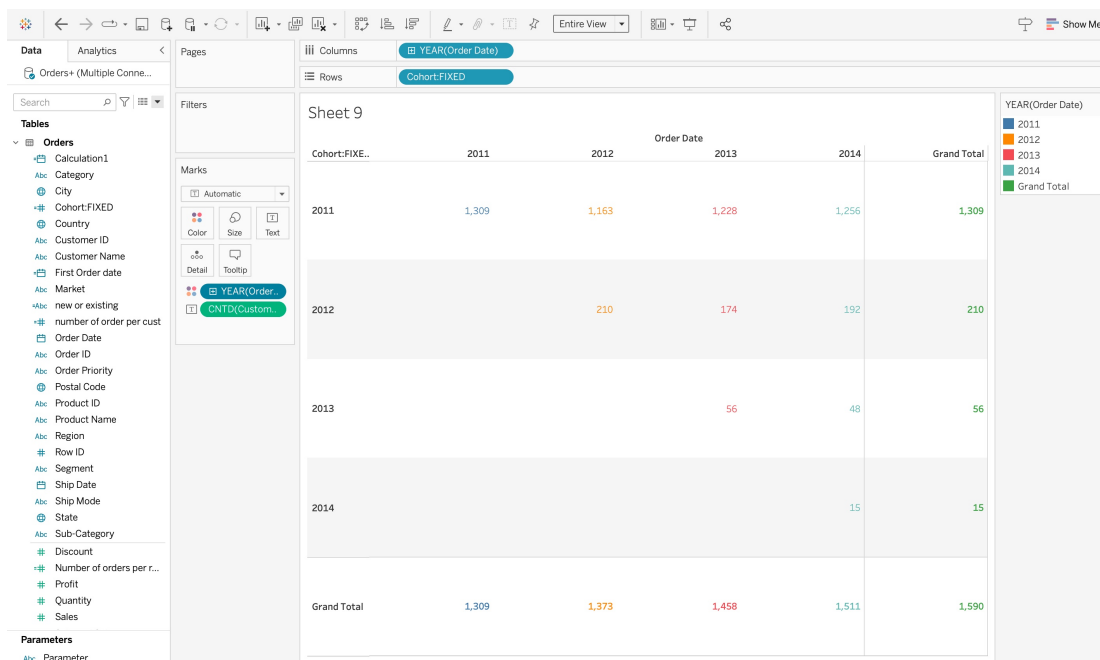PROFIT PER DAY   ✕

`{FIXED[Order Date]:SUM([Profit])}`

                                                                                  ▶

The calculation is valid.   Apply   OK

PROF BASED ON FIXED   ✕

```
IF[PROFIT PER DAY]>0
THEN 'PROFITABLE'
ELSE 'NOT PROFITABLE'
END
```
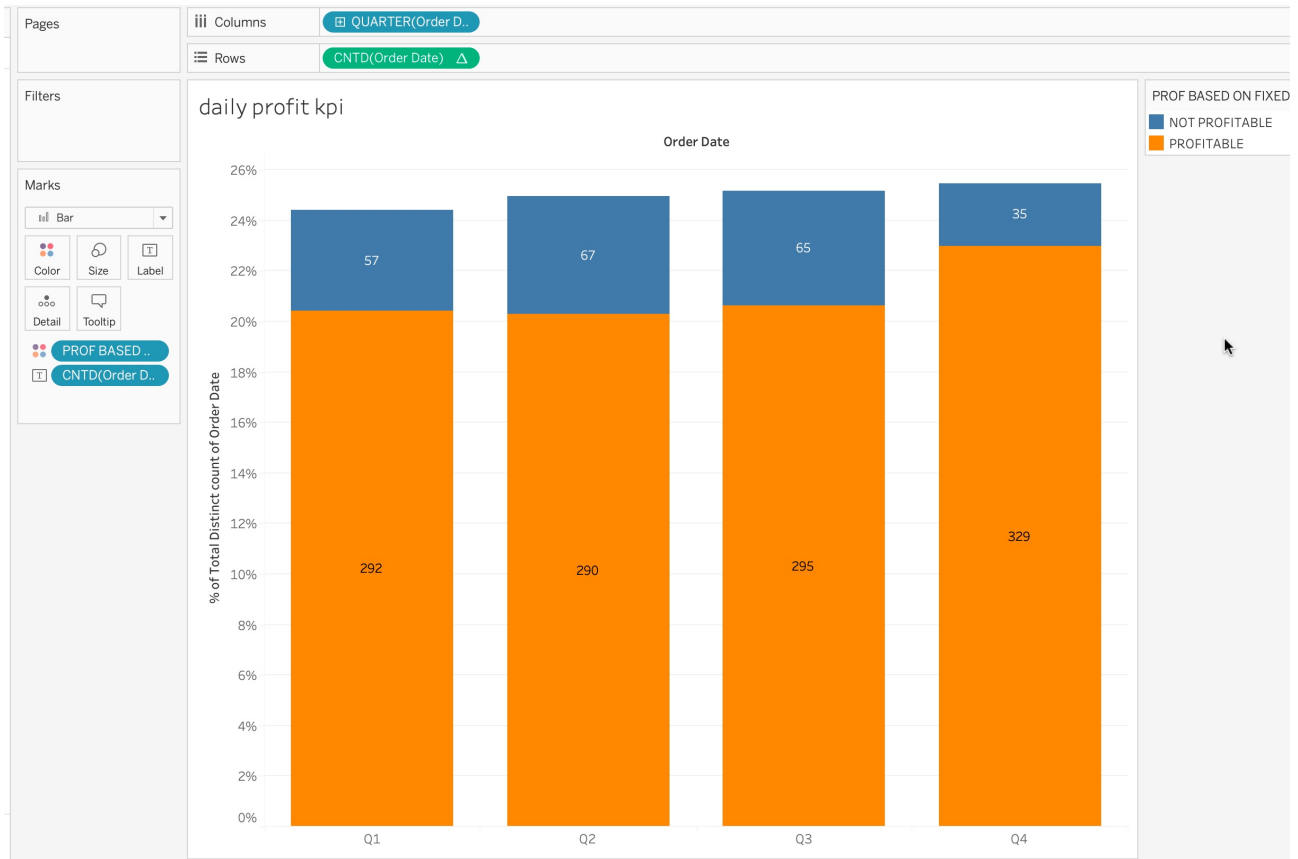
                                                                                  ▶

The calculation is valid.   1 Dependency ▾   Apply   OK

Pages

Filters

Marks

Bar ▾

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

PROF BASED ..
CNTD(Order D..

Columns ⊞ QUARTER(Order D..
Rows ☰ CNTD(Order Date) △

daily profit kpi

PROF BASED ON FIXED
■ NOT PROFITABLE
■ PROFITABLE

Order Date

% of Total Distinct count of Order Date

	Q1	Q2	Q3	Q4
NOT PROFITABLE	57	67	65	35
PROFITABLE	292	290	295	329

BASIC CALUCLATIONS

1)

above avg or below   ✕
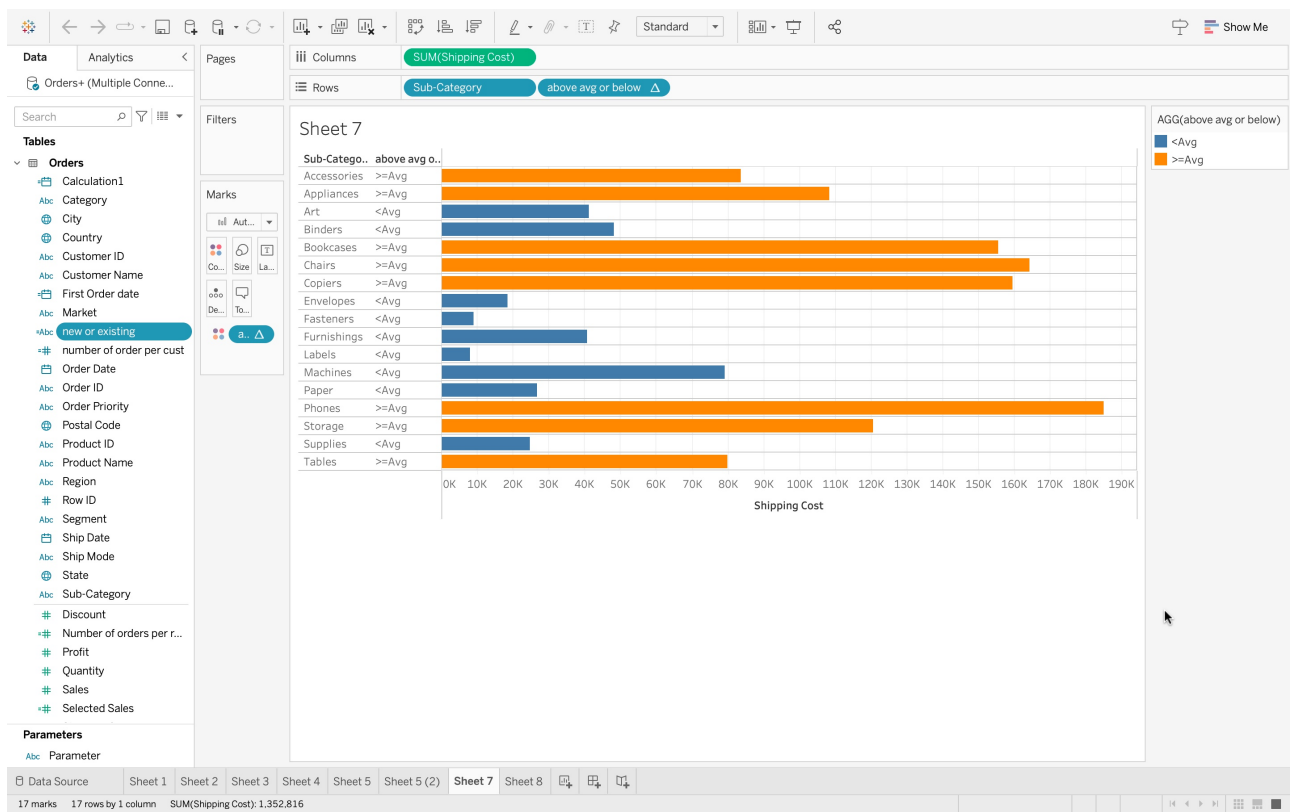
Results are computed along Table (across).

```
IF(SUM([Shipping Cost])−WINDOW_AVG(SUM([Shipping Cost]),First(),LAST())<0)
THEN'<Avg'
ELSE'>=Avg'
END
```

The calculation is valid.   1 Dependency ▾   Apply   OK

Default Table Calculation

2)

PROFIT OR LOSS

IF SUM([Profit])>10000
THEN'IT IS PROFITABLE'
ELSE'NOT PROFITABLE'
END

The calculation is valid.

1 Dependency

Apply

OK

Sheet 8

Tableau workspace — Sheet 8

Columns: YEAR(Order Date)
Rows: Sub-Category | Category

AGG(PROFIT OR LOSS)
■ IT IS PROFITABLE
■ NOT PROFITABLE

Marks: Automatic
AGG(PROFIT O..)
SUM(Profit)

Sub-Catego..	Category	Order Date			
		2011	2012	2013	2014
Accessories	Technology	15,720	33,507	38,805	41,594
Appliances	Office Supplies	22,838	24,316	41,486	53,041
Art	Office Supplies	10,399	11,841	15,630	20,084
Binders	Office Supplies	11,447	17,123	21,524	22,356
Bookcases	Furniture	27,519	28,137	43,049	63,219
Chairs	Furniture	29,943	28,755	40,449	41,248
Copiers	Technology	30,375	51,843	72,301	104,049
Envelopes	Office Supplies	5,066	6,603	9,572	8,360
Fasteners	Office Supplies	1,937	3,004	2,912	3,672
Furnishings	Furniture	7,310	9,662	14,605	15,391
Labels	Office Supplies	3,119	3,230	3,607	5,055
Machines	Technology	9,225	15,404	15,612	18,628
Paper	Office Supplies	10,665	10,687	16,880	20,976
Phones	Technology	53,927	45,223	46,909	70,658
Storage	Office Supplies	15,944	21,489	32,011	39,017
Supplies	Office Supplies	4,580	5,012	5,625	7,365
Tables	Furniture	-11,075	-8,422	-14,040	-30,546

68 marks   17 rows by 4 columns   SUM(Profit): 1,467,457