

# Assignment 4

## Data Analytics

**AALLA SRIDEEP**

21BEC1504

VIT CHENNAI

### Basic Calculation 1 :

| Profit or not |                    |  |        |  |        |  |         |  |
|---------------|--------------------|--|--------|--|--------|--|---------|--|
| Sub-Catego..  | Year of Order Date |  |        |  |        |  |         |  |
|               | 2011               |  | 2012   |  | 2013   |  | 2014    |  |
| Accessories   | 15,720             |  | 33,507 |  | 38,805 |  | 41,594  |  |
| Appliances    | 22,838             |  | 24,316 |  | 41,486 |  | 53,041  |  |
| Art           | 10,399             |  | 11,841 |  | 15,630 |  | 20,084  |  |
| Binders       | 11,447             |  | 17,123 |  | 21,524 |  | 22,356  |  |
| Bookcases     | 27,519             |  | 28,137 |  | 43,049 |  | 63,219  |  |
| Chairs        | 29,943             |  | 28,755 |  | 40,449 |  | 41,248  |  |
| Copiers       | 30,375             |  | 51,843 |  | 72,301 |  | 104,049 |  |
| Envelopes     | 5,066              |  | 6,603  |  | 9,572  |  | 8,360   |  |
| Fasteners     | 1,937              |  | 3,004  |  | 2,912  |  | 3,672   |  |
| Furnishings   | 7,310              |  | 9,662  |  |        |  |         |  |
| Labels        | 3,119              |  | 3,230  |  |        |  |         |  |
| Machines      | 9,225              |  | 15,404 |  |        |  |         |  |
| Paper         | 10,665             |  | 10,687 |  |        |  |         |  |
| Phones        | 53,927             |  | 45,223 |  |        |  |         |  |
| Storage       | 15,944             |  | 21,489 |  |        |  |         |  |
| Supplies      | 4,580              |  | 5,012  |  |        |  |         |  |
| Tables        | -11,075            |  | -8,422 |  |        |  |         |  |

AGG(profit or not )

- decent profit
- good profit
- not profitable

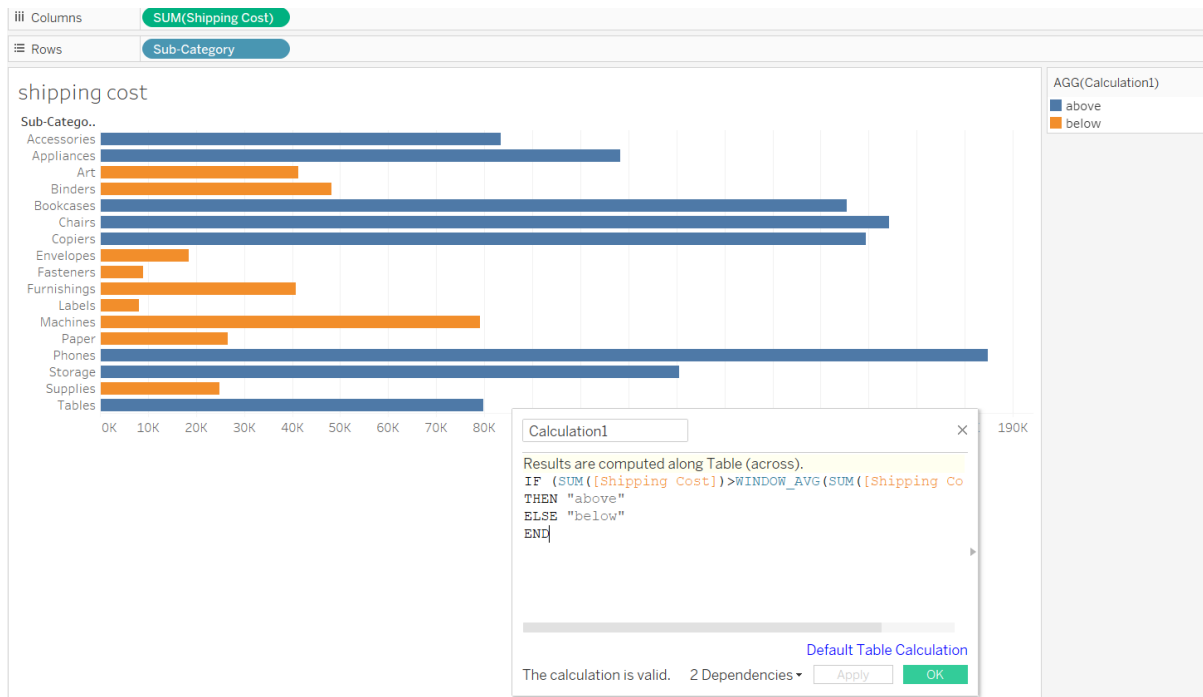
profit or not

```
if (SUM([Profit]) >= 5000)
THEN "good profit"
ELSEIF (SUM([Profit])>0 AND SUM([Profit])<5000)
THEN "decent profit"
ELSE "not profitable"
END
```

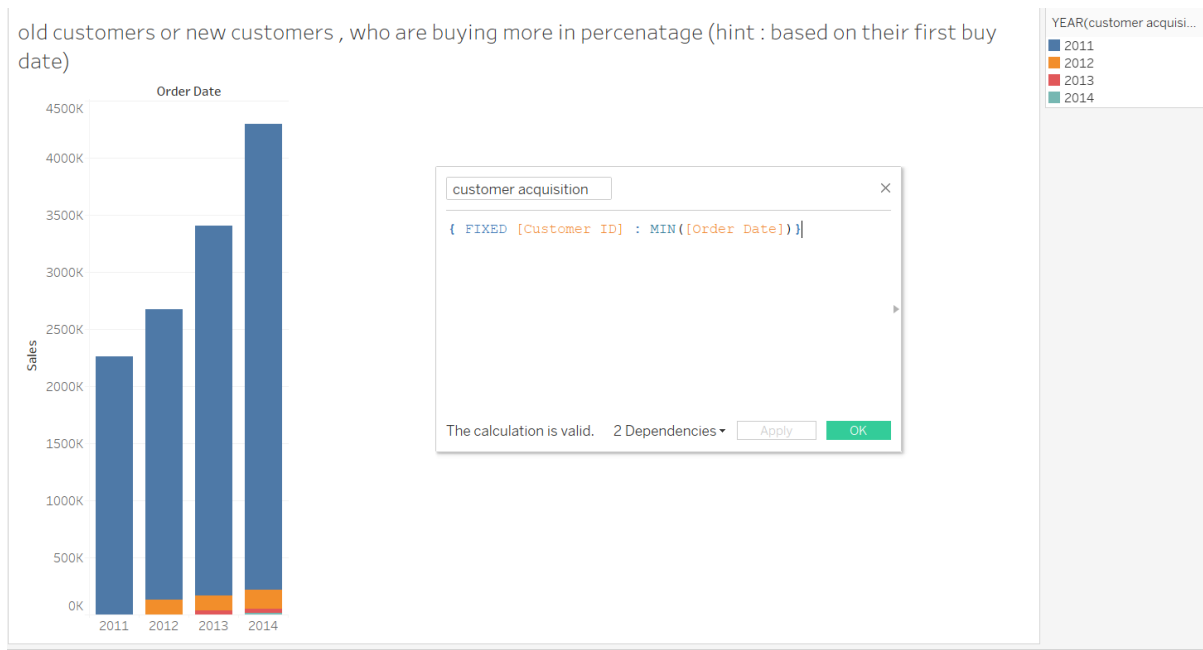
The calculation is valid. 1 Dependency

Apply OK

## Basic Calculation 2 :

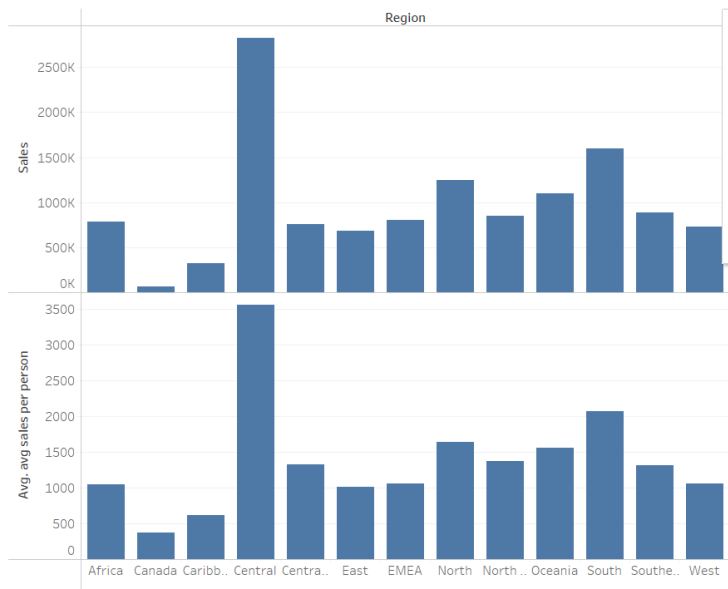


## LOD 1 :



# LOD 2

avg sales per customer



avg sales per person

{ INCLUDE [Customer ID] : SUM([Sales]) }

The calculation is valid. 2 Dependencies

Apply

OK