

## Task 1:- Create one fixed and one exclude LOD expression

### Fixed LOD expression

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Show Me

Data Analytics

Orders+ (Sample - Super...)

Search

Tables

- Orders
  - Calculation1
  - Category
  - Country, State, City
    - Country
    - State
    - City
  - Customer ID
  - Customer Name
  - Order Date
  - Order ID
  - Postal Code
  - Product ID
  - Product Name
  - Region
  - Row ID
  - Segment
  - Ship Date
  - Ship Mode
  - Sub-Category
  - Category : Sum(sales)
  - Discount
  - Profit

Parameters

- Parameter 3
- Top 10
- TopN

Pages

Filters

- Measure Names

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

- SUM(Category : Sum..)
- SUM(Sales)

Columns

Measure Names

Rows

YEAR(Order Date) Category

### Fixed LOD Expression

Year of O..	Category	Category : Sum(sales)	Sales
2014	Furniture	742,000	157,193
	Office Supplies	719,047	151,776
	Technology	836,154	175,278
2015	Furniture	742,000	170,518
	Office Supplies	719,047	137,233
	Technology	836,154	162,781
2016	Furniture	742,000	198,901
	Office Supplies	719,047	183,940
	Technology	836,154	226,364
2017	Furniture	742,000	215,387
	Office Supplies	719,047	246,097
	Technology	836,154	271,731

Measure Values

- SUM(Category : Sum..)
- SUM(Sales)

Data Source Fixed LOD Expression Exclude LOD Expression Map 1 Map 2 Parameter

24 marks 12 rows by 2 columns SUM of Measure Values: 11,486,004

## Exclude LOD expression.

Tableau - Book1

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Orders+ (Sample - Super...)

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- Top 10
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Measure Names

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

ATTR(Exclude Region...

SUM(Sales)

Columns

Measure Names

Rows

Category Region City YEAR(Order Date)

### Exclude LOD Expression

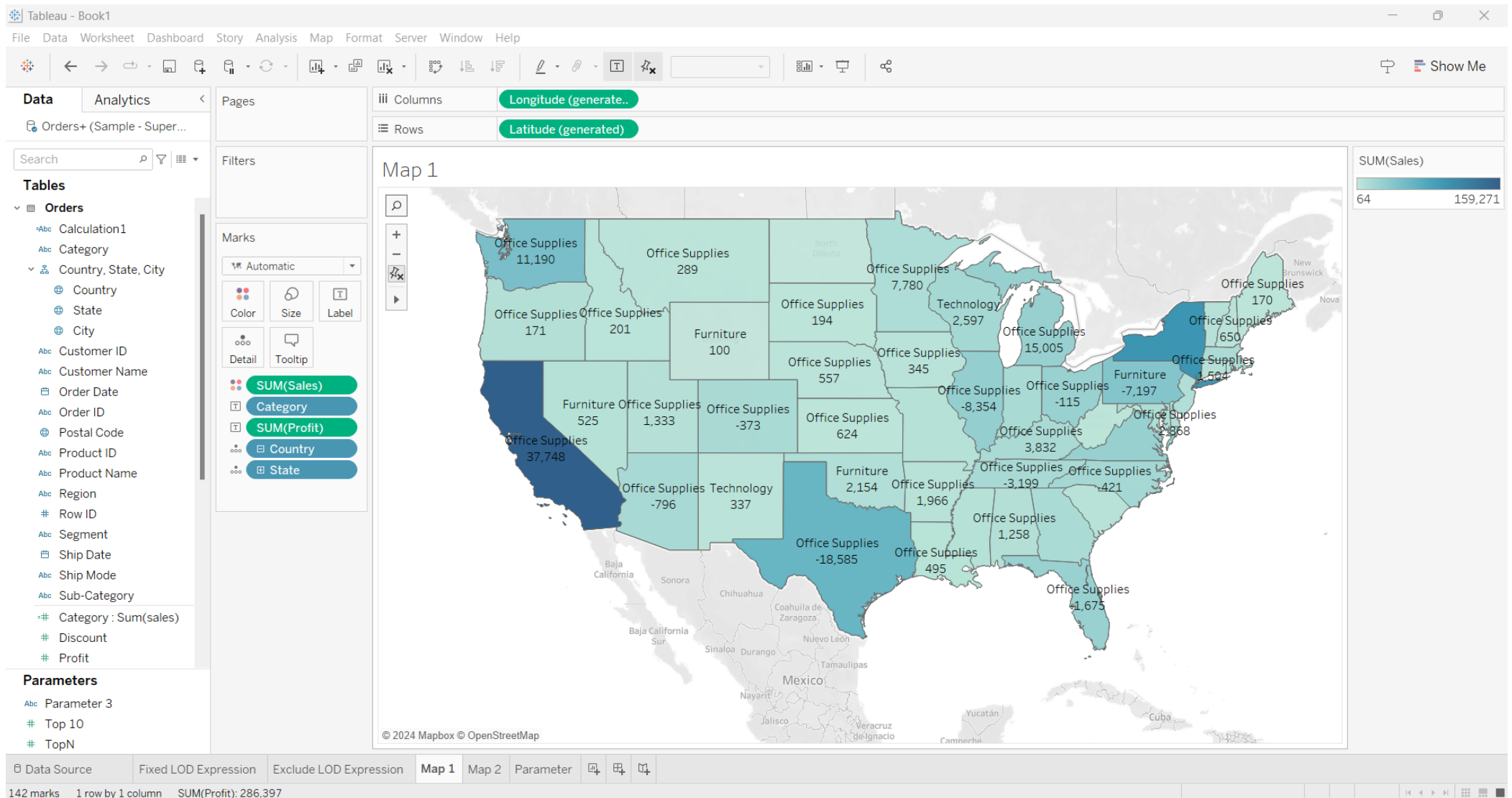
Category	Region	City	Year of O..	Exclude Region, city : Avg(Sales)	Sales
Furniture	Central	Allen	2015	377	244
			2016	354	390
			2017	314	205
		Arlington	2014	373	1,225
			2015	377	919
			2016	354	13
		Aurora	2017	314	235
			2014	373	269
			2015	377	924
		Austin	2016	354	1,341
			2017	314	1,626
			2015	377	180
		Beaumont	2016	354	348
			2017	314	8
			2014	373	9
		Bloomington	2014	373	618
			2015	377	42
			2016	354	128
		Broken Arrow	2016	354	1,593
			2014	373	127
			2017	314	328
		Bryan	2016	354	528
			2014	373	355
			2017	314	28
		Buffalo Grove	2015	377	791
			2014	373	25
			2017	314	16
		Champaign	2015	377	152
			2014	373	2,480
			2015	377	1,278
		Chicago	2016	354	2,918
			2017	314	5,810

5010 marks 2505 rows by 2 columns SUM of Measure Values: 2.981.794

## Task 2: Create any 2 map visualizations using geographical data.

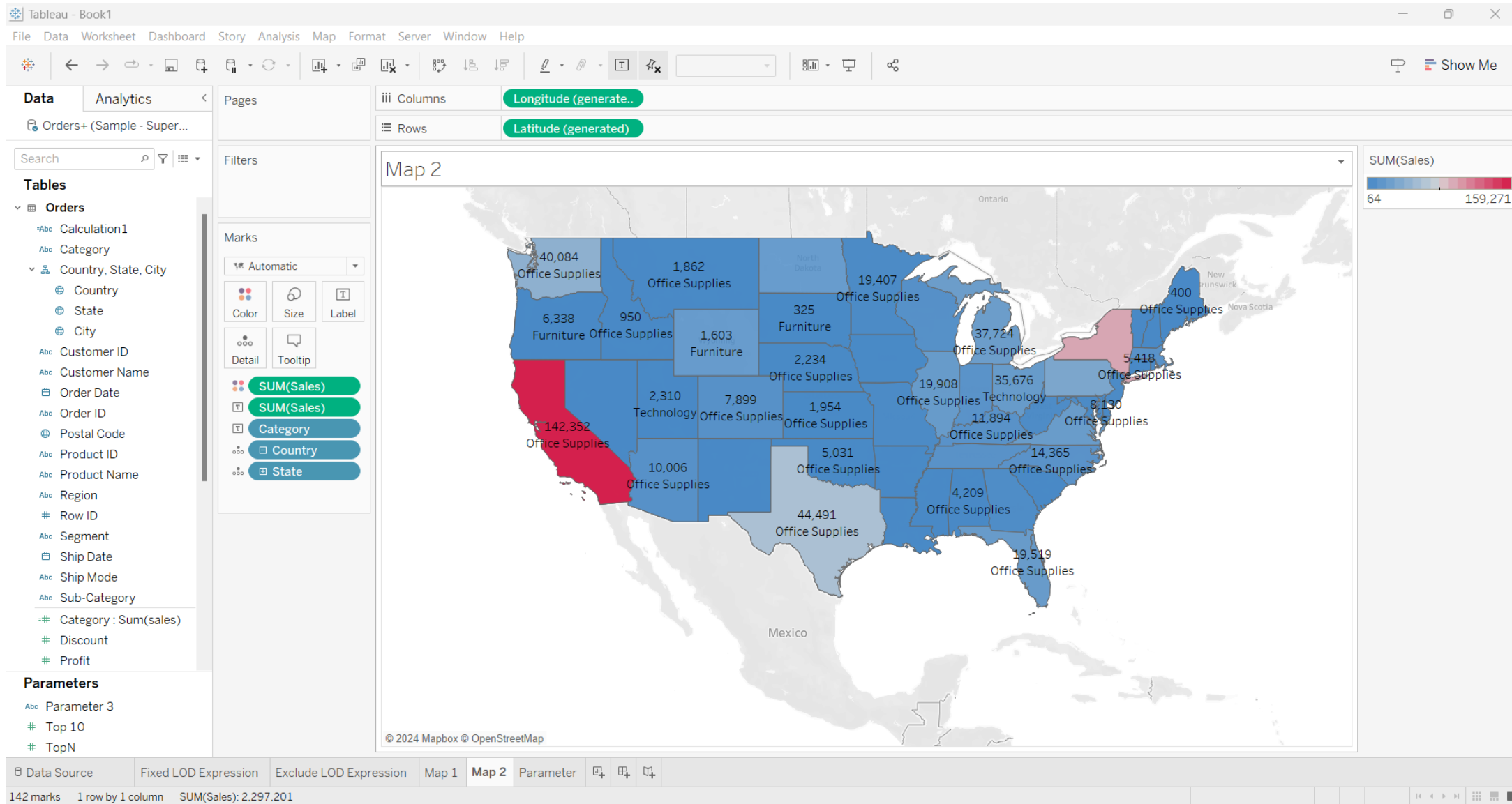
### Map 1

In this map I have taken US states with categories and sales represented in colours and profit in label.



### Map 2

In this Map I have taken US states and categories and their sales lowest to highest.



### Task 3: Create Top N and/or Dynamic dimension parameters and utilize those in your workbook.

#### Dynamic dimension parameters

