TASK 1

Category	Region	Segment	Fixed	Sales
Furniture	Central	Consumer	742,000	86,229
		Corporate	742,000	52,086
		Home Office	742,000	25,482
	East	Consumer	742,000	114,212
		Corporate	742,000	64,209
		Home Office	742,000	29,870
	South	Consumer	742,000	70,800
		Corporate	742,000	29,645
		Home Office	742,000	16,853
	West	Consumer	742,000	119,808
		Corporate	742,000	83,080
		Home Office	742,000	49,725
Office Supplies	Central	Consumer	719,047	93,111
		Corporate	719,047	41,138
		Home Office	719,047	32,777
	East	Consumer	719,047	101,255
		Corporate	719,047	66,475
		Home Office	719,047	37,786
	South	Consumer	719,047	59,505
		Corporate	719,047	45,930
		Home Office	719,047	20,217
	West	Consumer	719,047	110,081
		Corporate	719,047	77,134
		Home Office	719,047	33,638
Technology	Central	Consumer	836,154	72,691
		Corporate	836,154	64,773
		Home Office	836,154	32,953
	East	Consumer	836,154	135,441
		Corporate	836,154	69,726
		Home Office	836,154	59,807
	South	Consumer	836,154	65,276
		Corporate	836,154	46,311
		Home Office	836,154	37,185
	West	Consumer	836,154	132,992
		Corporate	836,154	65,641
		Home Office	836,154	53,359

FIXED LOD: **Calculated sales for each Category regardless of region and segment:**

This was done by fixing the sales value in the regions of a particular category. I created a calculation field where I included a syntax for the Fixed LOD and applied it.

Exclude LOD

Pages				
iii Columns	Measure Names			
≣ Rows	Category	Region		

Filters
Measure Names

Marks
T Automatic ▼

Color | Size | Text
Detail | Tooltip
T Measure Values

Measure Values
ATTR(Exclude)
SUM(Sales)

Exclude LOD

Category	Region	Exclude	Sales
Furniture	Central	216	163,797
	East	238	208,291
	South	242	117,299
	West	226	252,613
Office Supplies	Central	216	167,026
	East	238	205,516
	South	242	125,651
	West	226	220,853
Technology	Central	216	170,416
	East	238	264,974
	South	242	148,772
	West	226	251,992

## EXCLUDE LOD: Total sales excluding the Category:

This was done by excluding the average sales values of the regions for each category. I created a calculation field which included a syntax for Exclude LOD and applied it.

TASK 2
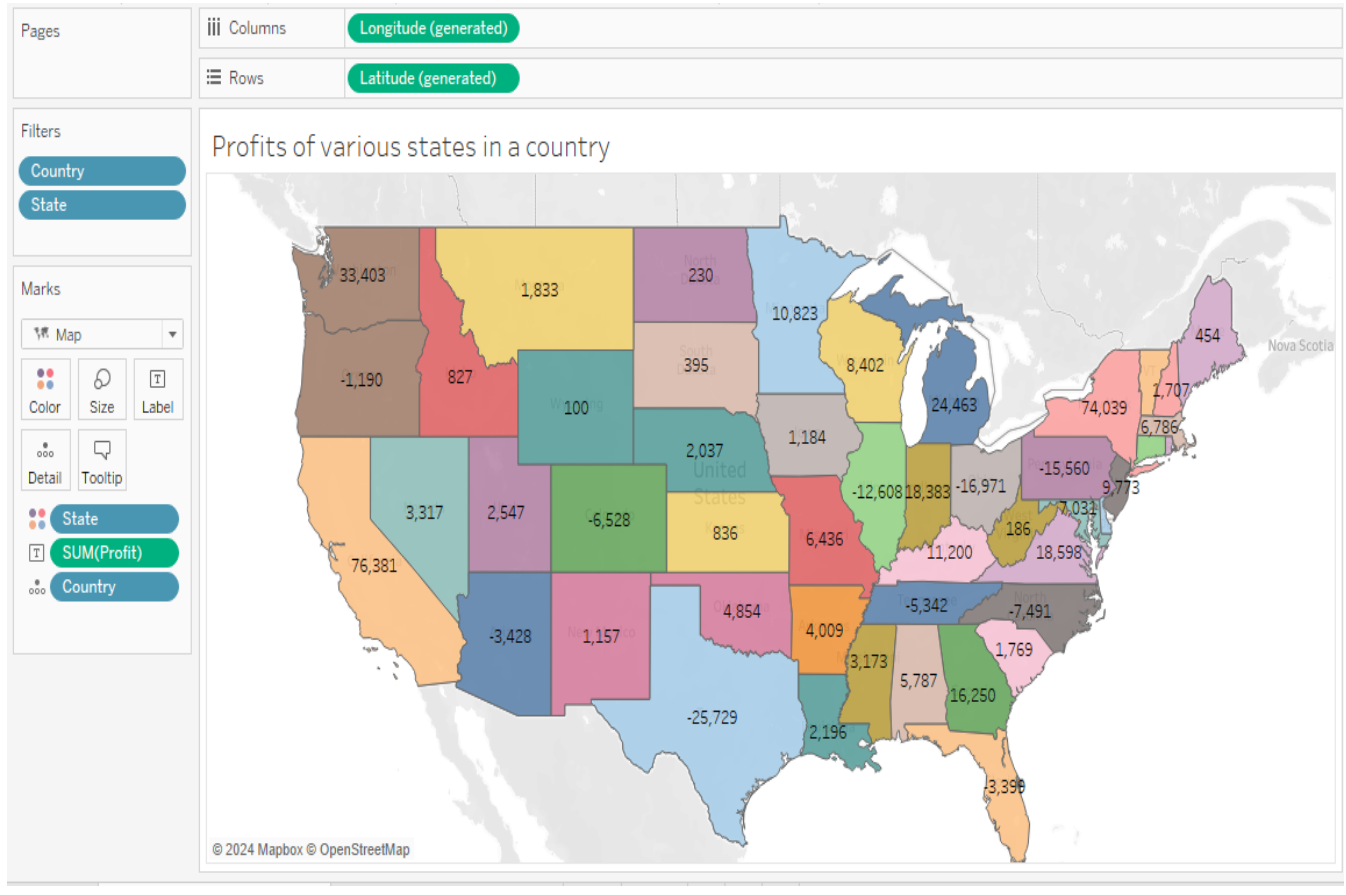
## Map Visualization 1: State wise profit in a country:

Created a map with the help of longitude and latitude measures. After choosing a country (USA), represented it's states with different colors and added an additional measure i.e., the profit values of each state in the country.
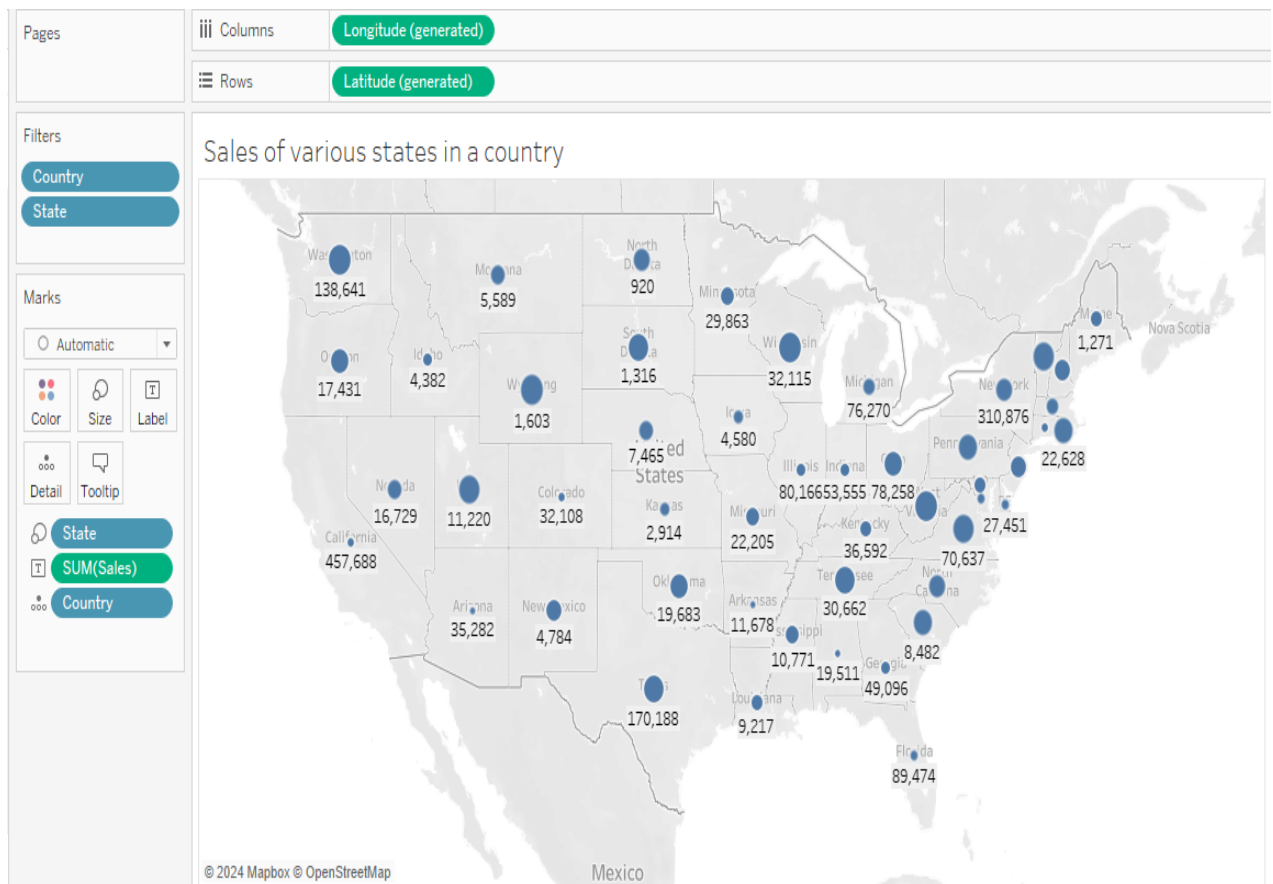
Map Visualization 2: State wise sales in a country:

Created a map with the help of longitude and latitude measures. After choosing a country (USA), represented it's states in different sized dots and adding an additional measure i.e., sales of different states in the country.

TASK 3
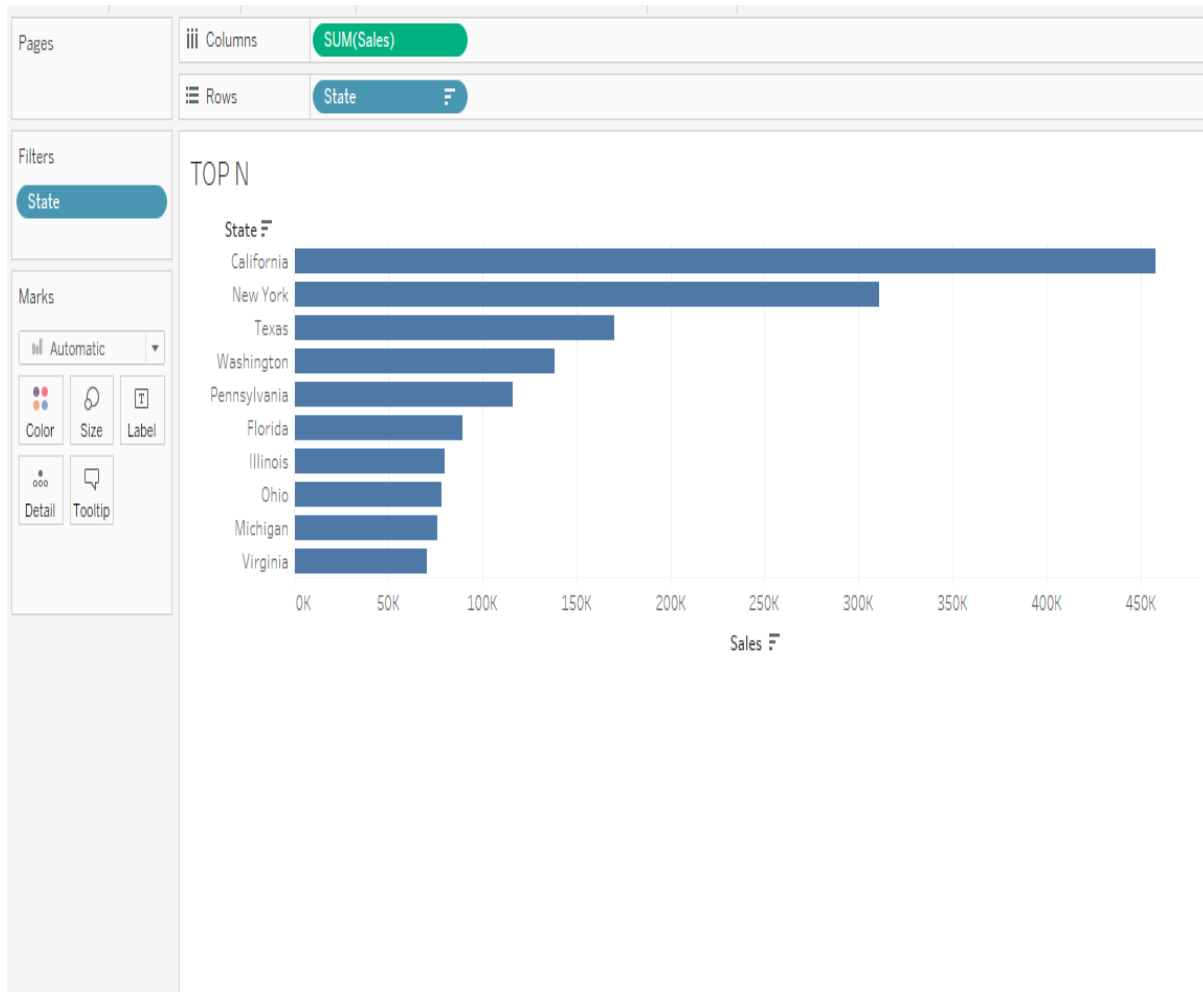
Top N Parameter:

Calculated the sum of sales with respect to different states and represented the data in the form of bar graph. Then applied the filter to the state dimension using TOP and then creating a parameter named Top N by applying the condition as top 10 states having max sum of sales.