Assignment-4

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Basic Calculation:

Code:

IF(sum([Profit])>86000)

THEN 'Profitable'

ELSE 'Not profitable'

END

```
profitable or not                                    ✕

IF(sum([Profit])>86000)
THEN 'Profitable'
ELSE 'Not profitable'
END
```
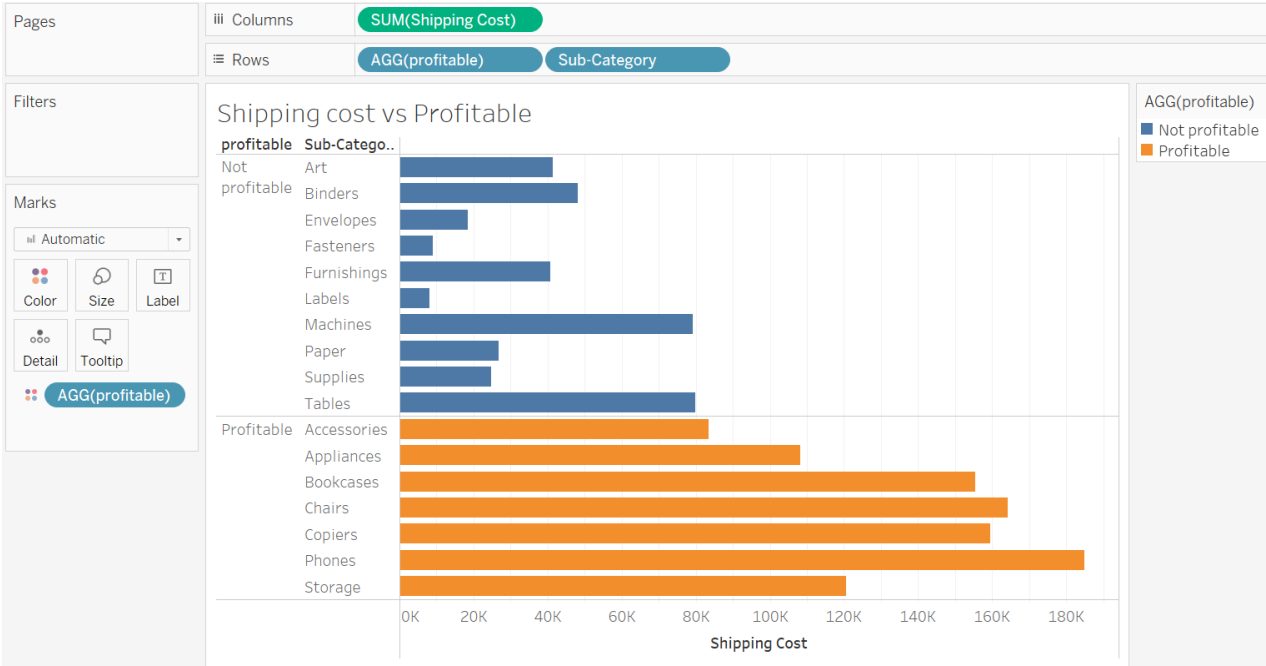
The calculation is valid.   1 Dependency ▾   Apply   OK

Visualization:

LOD Calculations:

Code:
{FIXED [Customer ID]:COUNTD([Order ID])}

Visualization:

Order per person

no of orders per customer
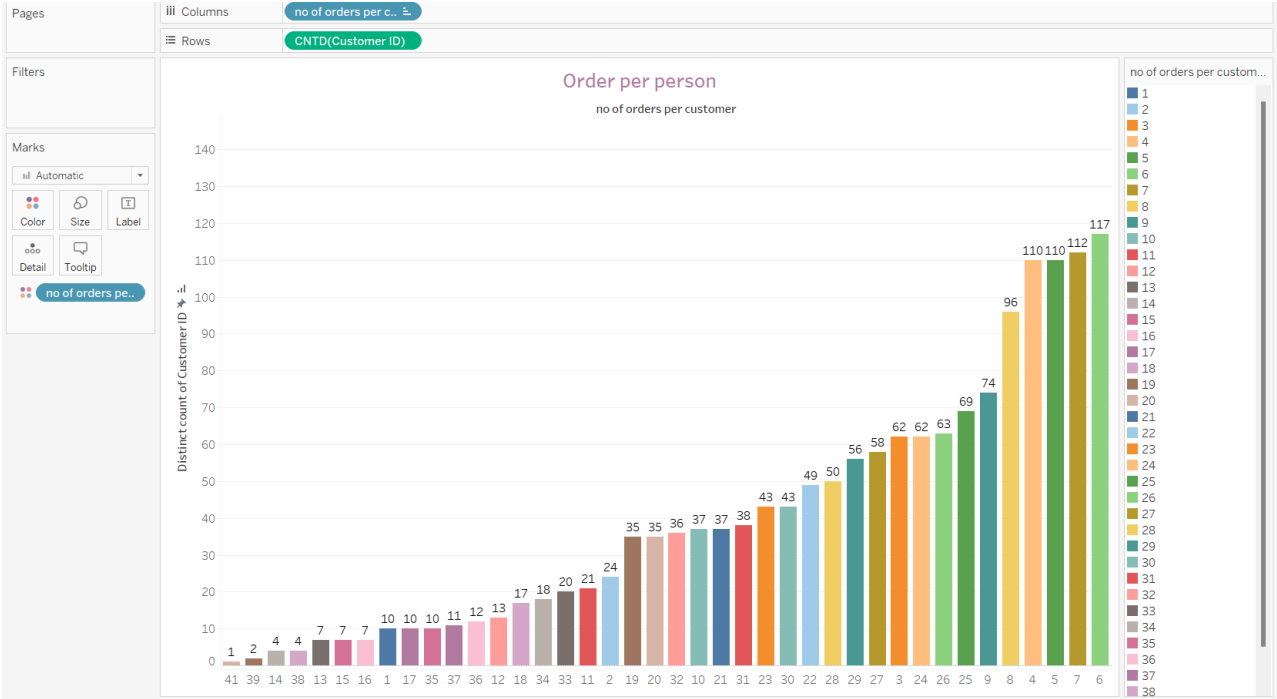
Code:
{ INCLUDE[Customer Name] : SUM([Sales]) }

sales per customers

```
{ INCLUDE[Customer Name] : SUM([Sales]) }
```

The calculation is valid.   5 Dependencies ▾   Apply   OK

Visualization:
Sales per Customer in Clusters:

State	Bookc..	Chairs	Furnis..	Tables	Applia..	Art	Binders	Envel..	Faste..	Labels	Paper	Stora..	Suppli..	Acces..	Copiers	Machi..	Phones
California	27,559	63,079	19,996	45,430	24,176	5,496	28,473	3,237	480	2,899	16,758	45,112	15,721	37,255	24,560	29,492	67,965
Distrito Federal	17,910	13,544	2,402	9,428	11,490	2,055	2,049	2,021	864	626	1,844	7,254	3,398	3,984	23,024	743	25,787
England	64,930	26,023	6,407	26,578	41,802	22,344	14,606	8,841	3,386	2,398	5,585	55,410	7,870	22,407	62,704	43,651	70,229
Guangdong	14,972	14,778	3,572	6,728	6,067	2,109	1,385	1,868	630	801	1,886	6,350	1,828	4,858	14,615	4,207	9,434
Guatemala	14,072	8,785	3,103	7,939	6,050	2,230	1,659	2,552	582	551	1,172	6,846	676	7,144	15,306	2,544	22,438
Ile-de-France	32,419	24,970	9,411	10,514	32,184	18,145	10,933	4,082	2,328	1,640	5,201	31,168	5,304	22,077	42,519	32,496	32,432
Maharashtra	18,149	15,510	2,263	4,353	9,392	1,882	1,572	1,209	549	746	2,715	4,176	1,660	6,790	10,060	4,210	16,087
National Capital	14,981	...	117	4,259	14,482	1,941	27 ...	2,136	35 ...	33 ...	189 ...	91 ...	3,016	378 ...	16,797	12,556	80 ...
New South Wales	40,710	46,621	8,937	10,011	17,630	4,290	3,756	3,515	2,215	1,489	5,458	18,708	6,251	16,399	44,665	11,634	28,200
New York	22,777	46,634	10,182	13,779	13,276	2,984	32,457	1,777	287	1,291	8,457	26,928	2,564	19,598	17,200	43,184	47,503
North Rhine-Westph..	21,830	15,183	5,051	9,952	17,898	11,912	8,252	3,628	1,903	1,351	2,450	29,521	3,460	9,765	26,828	18,221	29,248
Pennsylvania	5,231	18,724	7,348	8,052	4,663	1,152	6,266	1,234	155	598	2,378	11,785	6,710	7,299	13,080	2,134	19,702
Provence-Alpes-Côt..	15,031	8,693	2,208	4,031	14,346	5,430	5,080	1,913	740	762	2,091	12,831	2,619	6,243	11,065	8,825	12,466
Queensland	34,794	28,578	6,463	11,503	24,559	4,310	3,350	2,720	1,987	1,832	2,722	12,802	4,913	15,091	41,189	8,065	33,437
San Salvador	19,114	21,812	5,872	15,489	11,525	2,776	2,122	2,543	1,283	999	2,974	14,013	2,413	12,679	16,884	2,249	18,891
São Paulo	12,055	9,763	4,120	7,854	7,342	1,405	1,588	1,610	902	590	1,555	7,191	2,135	7,165	18,208	2,042	12,895
Texas	14,493	26,572	3,767	15,761	2,408	2,370	9,043	2,531	332	584	6,983	15,724	4,517	11,329	5,640	19,546	28,590
Victoria	23,254	20,371	2,884	8,937	18,842	2,688	2,688	3,018	639	1,151	2,577	7,268	3,521	6,597	19,977	14,022	13,349
Washington	3,144	16,387	3,427	25,062	1,969	1,064	18,156	513	263	1,154	3,319	13,163	483	15,119	20,250	6,066	9,102
Western Australia	14,501	20,554	2,379	7,678	11,437	2,357	3,100	697	688	775	2,593	6,532	3,262	4,378	11,759	3,071	15,330

Code:
{ INCLUDE [State]:SUM([Sales])}


```
{ INCLUDE [State]:SUM([Sales])}
```
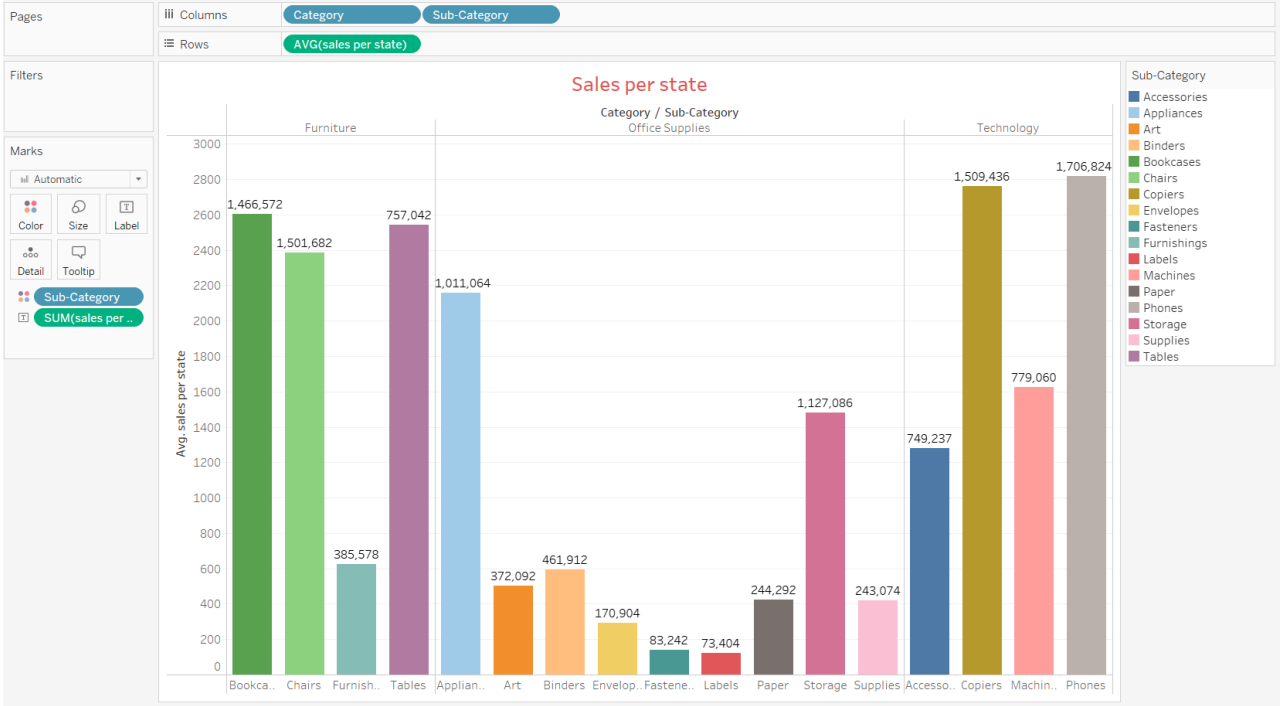
The calculation is valid.   4 Dependencies ▾   Apply   OK

Visualization:
Sales per State:

Code:
{ EXCLUDE [Region] : SUM([Sales]) }


```
exclude region                                                    ✕

{ EXCLUDE [Region] : SUM([Sales]) }

The calculation is valid.        1 Dependency ▾    Apply       OK
```

Visualization:

Pages		

ⅲ Columns	Market	SUM(Sales)
≡ Rows	⊞ MONTH(Order Date)	

Filters

Marks

Bar

- Color
- Size
- Label
- Detail
- Tooltip
- ∷ ATTR(exclude ..

Exclude Region

ATTR(exclude region)

1,864 ▬▬ 418,008

Market

Month of ..	Africa	APAC	Canada	EMEA	EU	LATAM	US
January	44,350	222,856	3,942	51,849	172,357	84,413	95,366
February	49,574	168,642	5,002	43,937	156,734	59,678	60,173
March	43,251	205,952	2,481	55,061	152,822	111,682	199,253
April	45,774	167,566	1,864	36,768	166,185	138,553	141,852
May	55,527	309,458	3,078	48,714	175,601	155,511	156,122
June	70,723	377,813	8,088	109,158	331,306	225,545	147,083
July	47,786	182,488	4,453	42,606	186,538	135,929	149,581
August	94,306	397,406	11,203	109,043	381,388	140,897	159,589
September	86,263	329,175	3,541	90,860	352,871	264,901	309,770
October	56,800	418,008	5,486	46,549	160,211	284,015	197,115
November	89,515	409,217	8,766	83,669	338,203	272,788	349,120
December	99,903	397,163	9,024	87,947	363,875	290,692	332,177

0K 500K	0K 500K	0K 500K	0K 500K	0K 500K	0K 500K	0K 500K
Sales	Sales	Sales	Sales	Sales	Sales	Sales