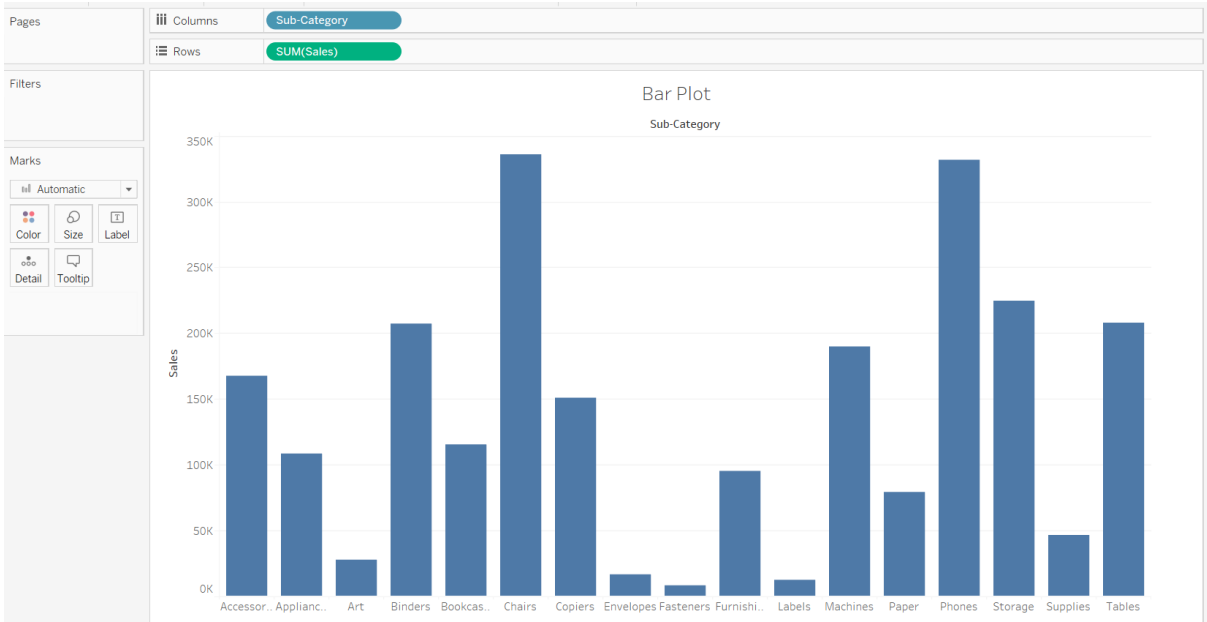
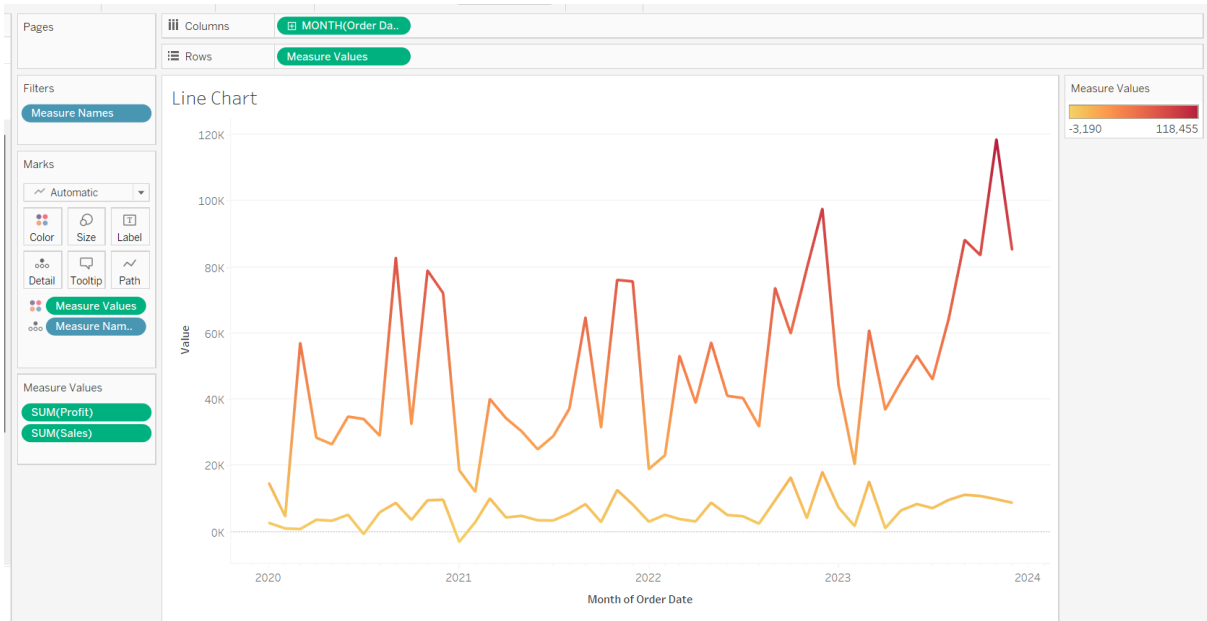
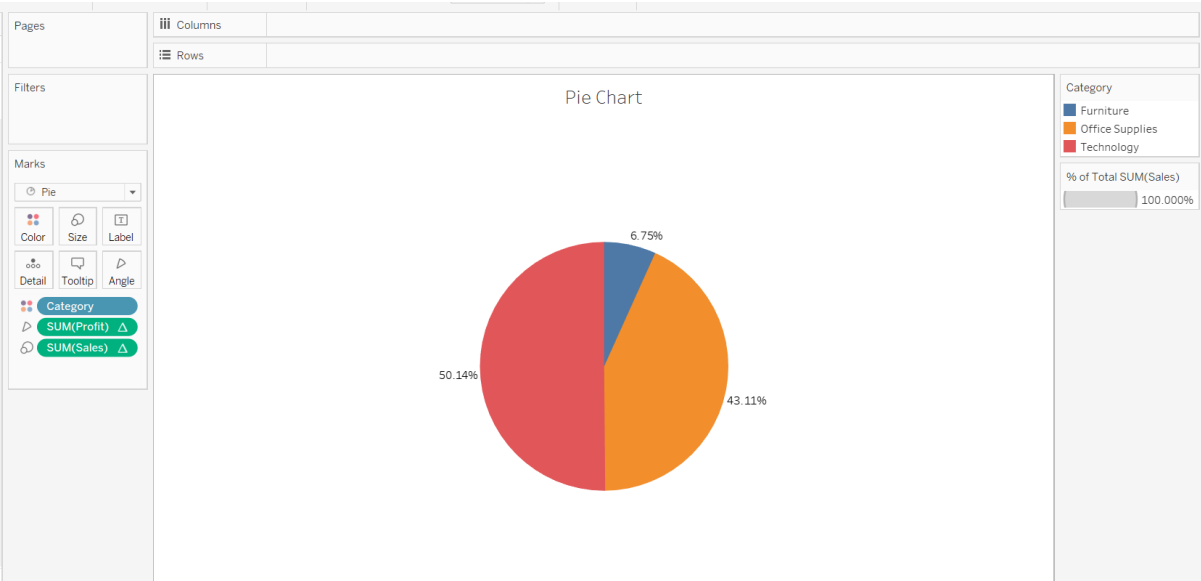


1) Create any 7 data visualizations/charts and perform the following





Dashboard interface showing a Highlight Table visualization.

**Columns:** Category, Sub-Category

**Filters:**

**Marks:** Automatic, Color, Size, Text, SUM(Sales), SUM(Profit)

**Highlight Table Data:**

Category	Sub-Category	SUM(Sales)
Furniture	Bookcases	-3,632
	Chairs	27,224
	Furnishings	13,892
	Tables	-17,753
Office Supplies	Appliances	18,329
	Art	6,653
	Binders	31,426
	Envelopes	6,988
	Fasteners	2,429
	Labels	5,573
	Paper	34,512
	Storage	21,285
	Supplies	-1,171
Technology	Accessories	41,937
	Copiers	56,094
	Machines	3,462
	Phones	45,051

**SUM(Sales) Legend:** 8,532, 335,768

Dashboard interface showing a Text Table visualization.

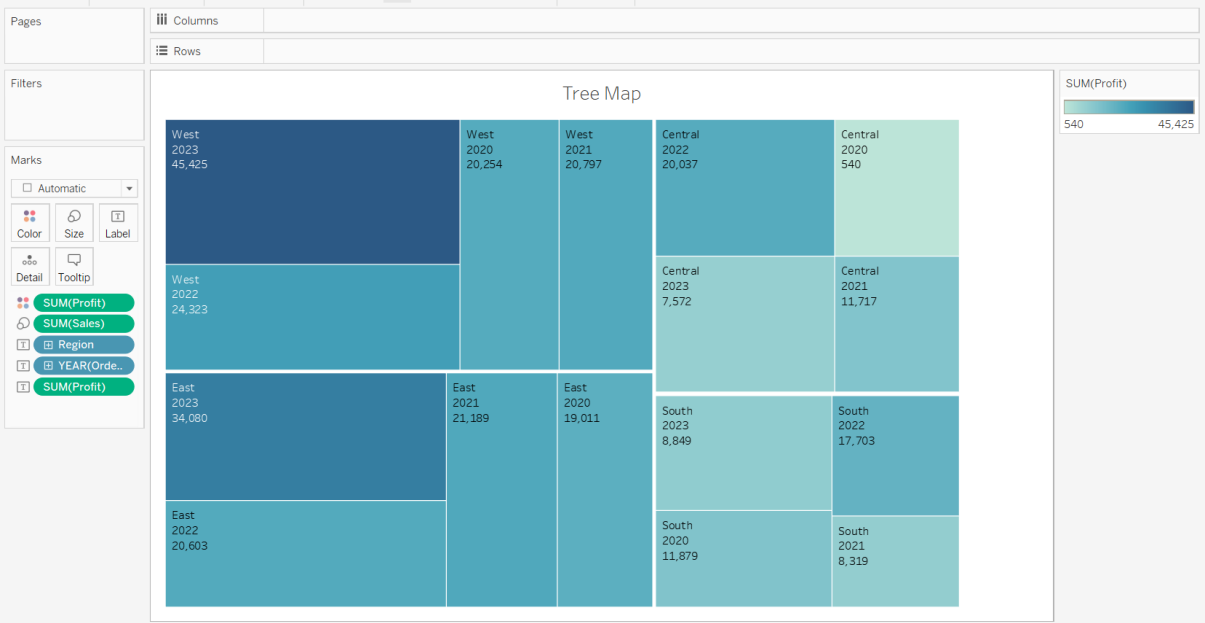
**Columns:** State/Province, Sub-Category

**Filters:**

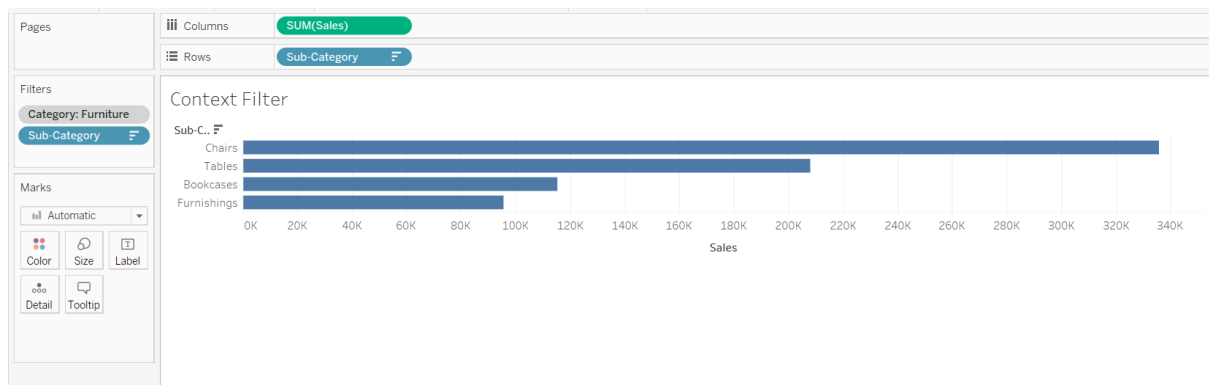
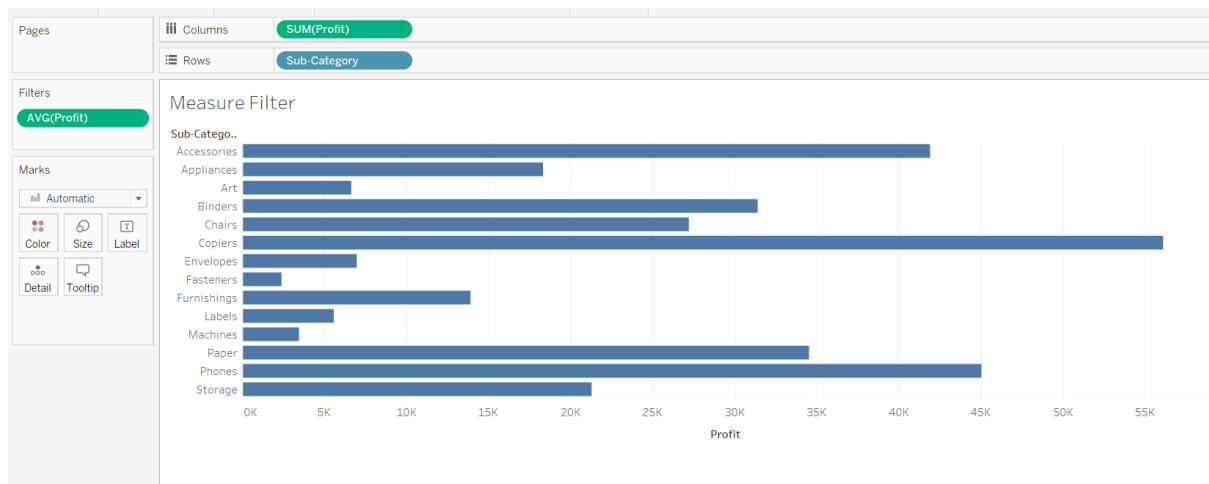
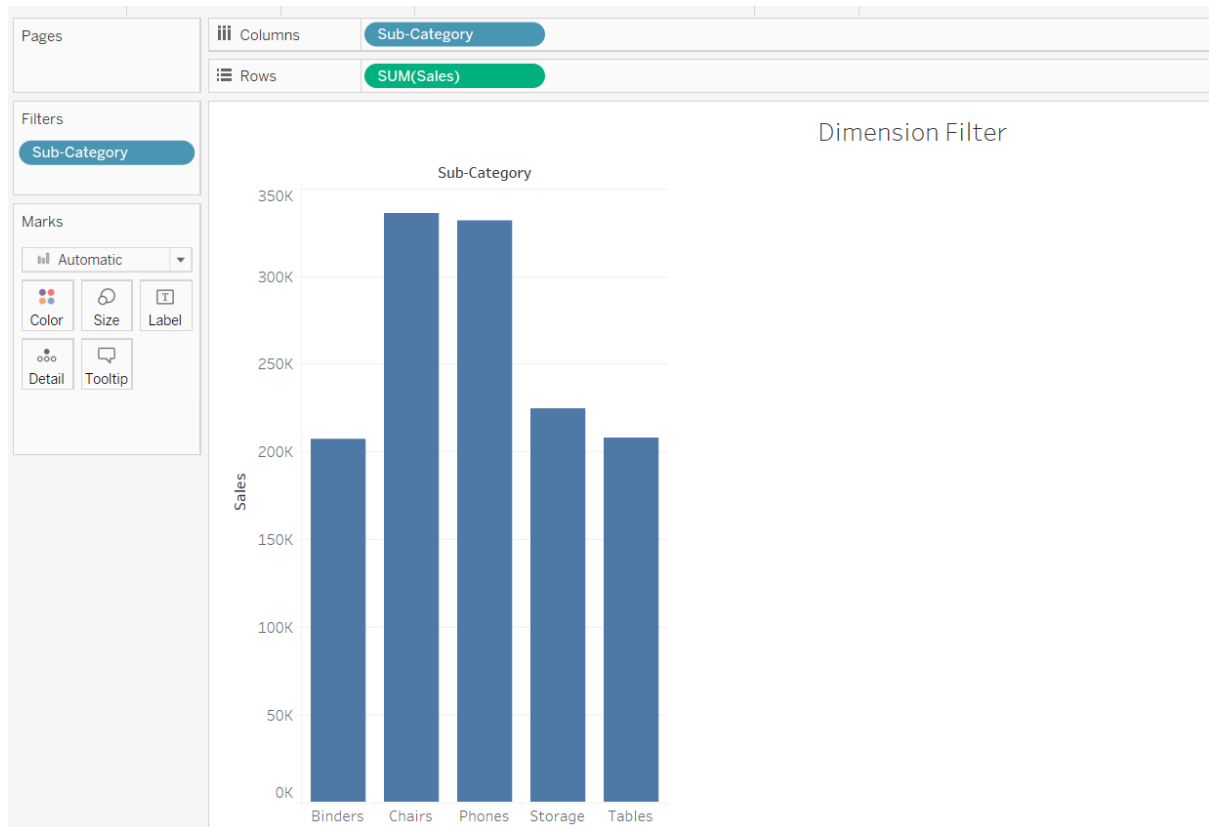
**Marks:** Automatic, Color, Size, Text, SUM(Sales)

**Text Table Data:**

Sub-Category	Alabama	Albarta	Arizona	Arkansas	British Columbia	Californ..	Colorado	Conne..	Delawa..	District of Colu..	Florida	Georgia	Idaho	Illinois	Indiana	Iowa	Kansas	Kentu
Accessories	2,323		3,396	1,788		37,255	2,288	658	562		5,862	3,658	90	5,536	2,279		92	2
Appliances	208	80	774			24,176	1,367	1,479	140		3,558	3,432	228	975	4,160		82	1
Art	301	18	1,389	78	91	5,496	211	192	535	57	711	527		930	389	147	163	
Binders	467		2,185	2,890		28,473	509	372	2,434	10	3,690	11,672	72	4,539	4,012	248	612	3
Bookcases			519	639	337	27,559	1,584	1,683	2,052		2,587	3,794		4,283				
Chairs	3,916	4,317	6,499	1,673	1,037	63,079	8,245	2,782	1,560	1,268	11,169	1,858	338	14,563	6,463	1,408		9
Copiers	900					24,560	440		10,500		1,440	3,000		5,920	18,500			1
Envelopes	106	52	215	312		3,237	76	11	299		211	447		384	890	13		
Fasteners	4	5,215	101	43		480	45		26		49	15		141	8	46	24	
Furnishings	40	1,424	2,512	573	552	19,996	1,958	457	637	79	3,746	1,805	432	2,878	1,514	49	111	1
Labels	506		27	7		2,899	18	33	74		386	245		225	276		19	
Machines	3,040		966		686	29,492	3,314		66	1,380	24,574	396		3,756	84			3
Paper	883	59	2,441	806		16,758	883	788	441	72	2,426	2,957	173	3,456	1,880	316	303	1
Phones	2,706	28	7,389	2,137	61	67,965	4,925	2,133	3,435		15,092	7,005	748	16,772	5,460	1,154	757	5
Storage	1,249		2,590	430		45,112	3,387	2,428	4,179		7,419	7,381	477	9,080	4,120	13	394	4
Supplies	485		283			15,721	1,403	115			1,068	40		178			358	
Tables	2,376	268	3,995	302		45,430	1,457	252	510		5,485	865	1,825	6,551	3,519	1,185		

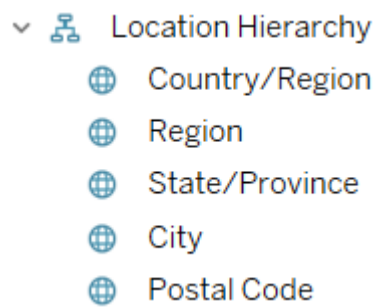


## 2) Apply dimension filter, context and measure filter on any of the three visualizations

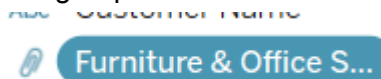


### 3) Perform the following data manipulations on your dataset

- create a Hierarchy



- create a group



Describe Field

×

Furniture & Office Supplies

Role:

Discrete Dimension

Type:

Ad-hoc group

Remote column:

[Orders].[Category]

Remote type:

Unicode character string

Contains NULL:

No

Locale:

India(English)

Sort flags:

Case-insensitive

Status:

Valid

Domain (2 members)

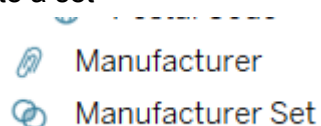
Furniture & Office Supplies

Technology

Load

Copy

- create a set



## Describe Field



### Manufacturer Set

Type: Computed set  
Fields: Manufacturer  
Name Style: Unqualified  
Status: **Valid**

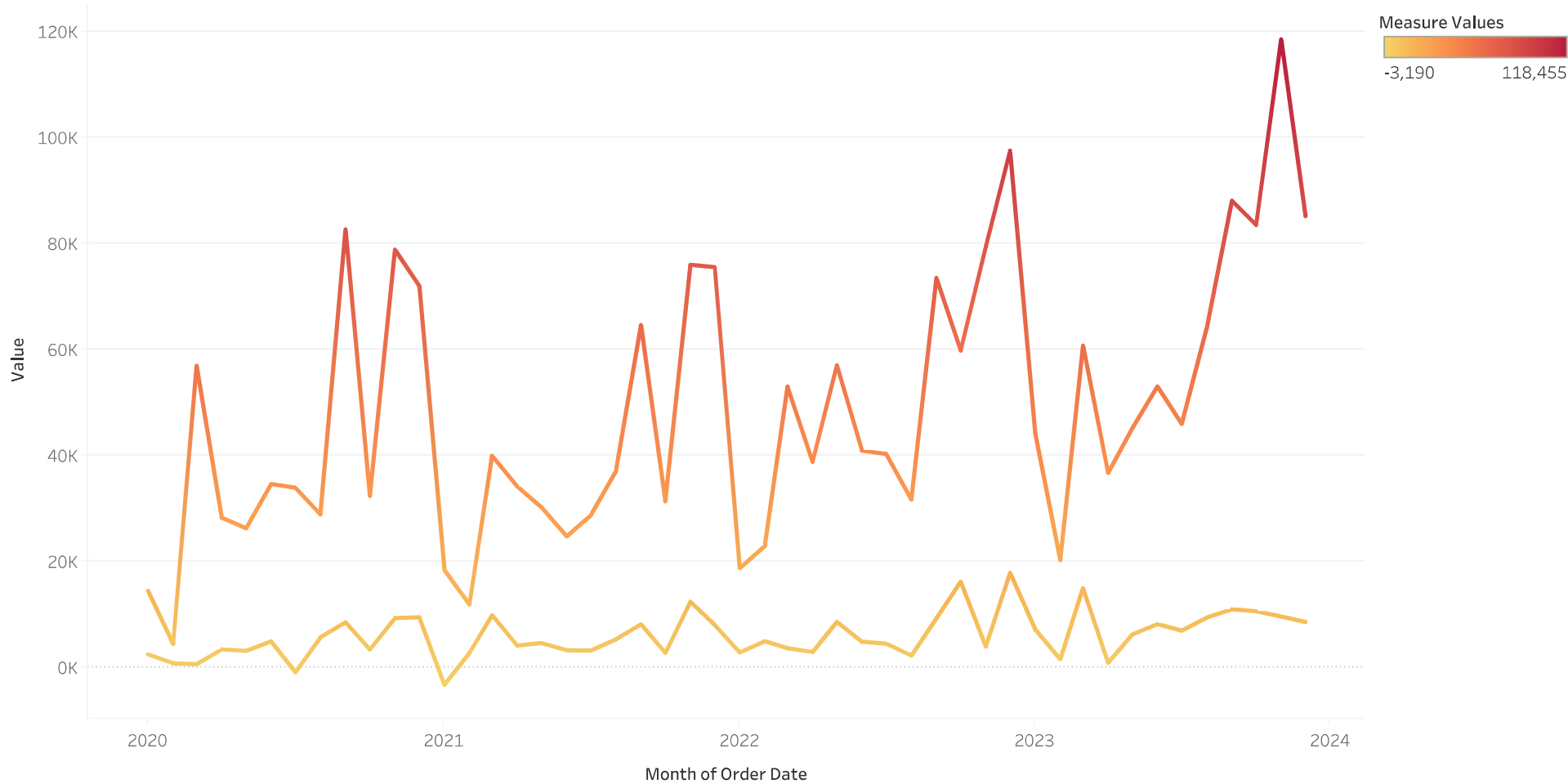
### Domain (7 members)

Staple envelope  
Staple holder  
Staple magnet  
Staple remover  
Staple-based wall hangings  
Staple-on labels  
Staples in misc. colors

Load

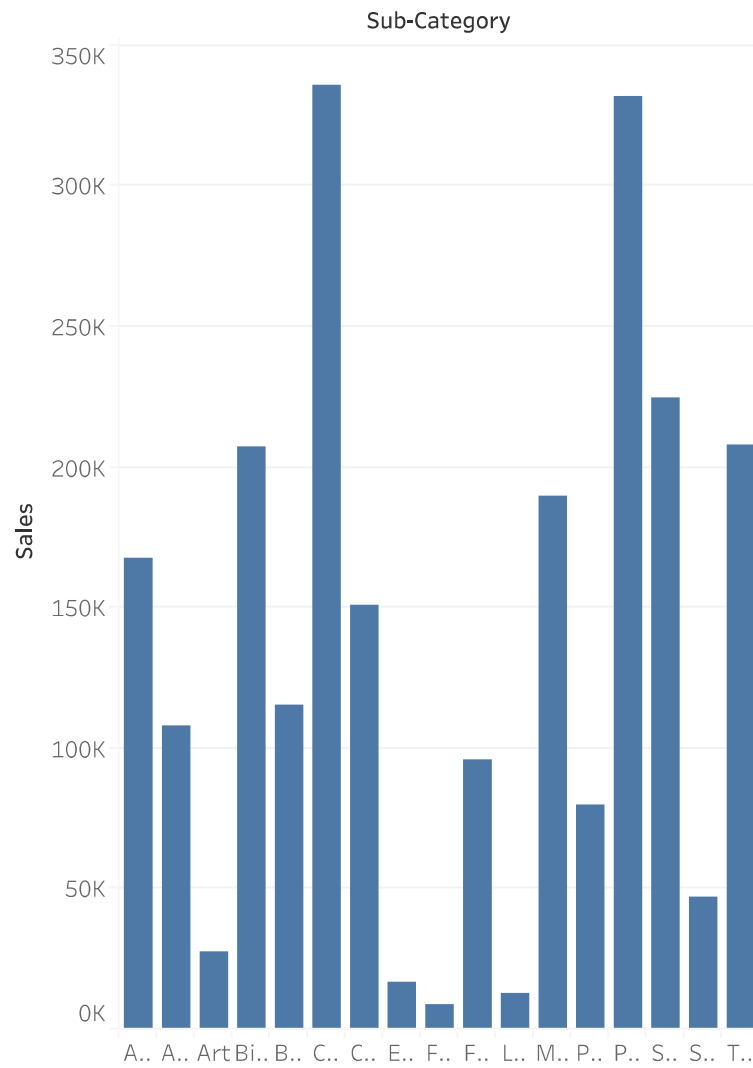
Copy

Line Chart



The trends of Profit and Sales for Order Date Month. Color shows Profit and Sales. Details are shown for Profit and Sales.

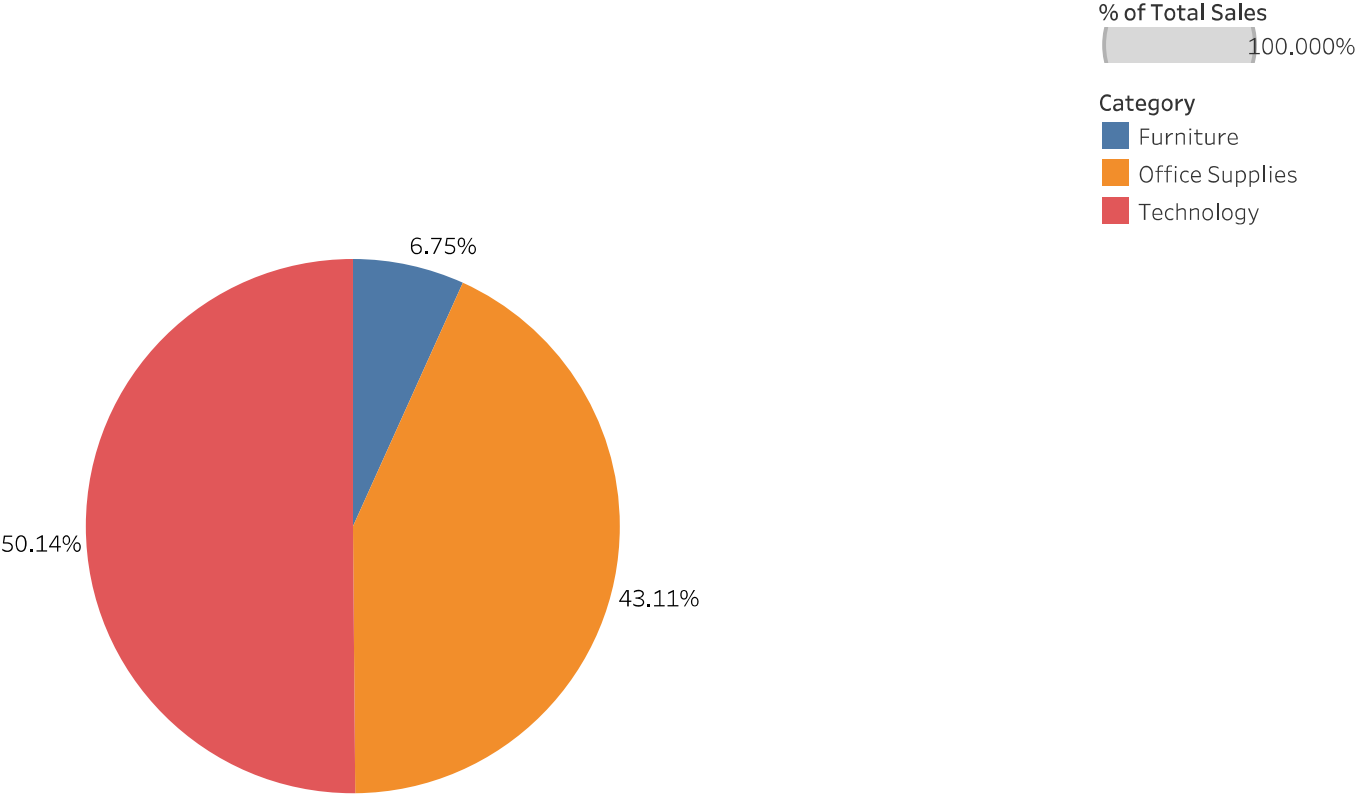
## Bar Plot



Sum of Sales for each Sub-Category.



Pie Chart



Category (color) and % of Total Sales (size).

Highlight Table

Category	Sub-Catego..	Sales
Furniture	Bookcases	-3,632
	Chairs	27,224
	Furnishings	13,892
	Tables	-17,753
Office Supplies	Appliances	18,329
	Art	6,653
	Binders	31,426
	Envelopes	6,988
	Fasteners	2,429
	Labels	5,573
	Paper	34,512
	Storage	21,285
	Supplies	-1,171
Technology	Accessories	41,937
	Copiers	56,094
	Machines	3,462
	Phones	45,051

Sum of Profit broken down by Category and Sub-Category. Color shows sum of Sales.

## Text Table

State/Province

Sub-Catego..	Alabama	Alberta	Arizona	Arkansas	British Columbia	Californ..	Colorado	Connec..	Delawa..	District of Colu..	Florida	Georgia	Idaho	Illinois	Indiana
Accessories	2,323		3,396	1,788		37,255	2,288	658	562		5,862	3,658	90	5,536	2,279
Appliances	208	80	774			24,176	1,367	1,479	140		3,558	3,432	228	975	4,160
Art	301	18	1,389	78	91	5,496	211	192	535	57	711	527		930	389
Binders	467		2,185	2,890		28,473	509	372	2,434	10	3,690	11,672	72	4,539	4,012
Bookcases			519	639	337	27,559	1,584	1,683	2,052		2,587	3,794		4,283	
Chairs	3,916	4,317	6,499	1,673	1,037	63,079	8,245	2,782	1,560	1,268	11,169	1,858	338	14,563	6,463
Copiers	900					24,560	440		10,500		1,440	3,000		5,920	18,500
Envelopes	106	52	215	312		3,237	76	11	299		211	447		384	890
Fasteners	4	5,215	101	43		480	45		26		49	15		141	8
Furnishings	40	1,424	2,512	573	552	19,996	1,958	457	637	79	3,746	1,805	432	2,878	1,514
Labels	506		27	7		2,899	18	33	74		386	245		225	276
Machines	3,040		966		686	29,492	3,314		66	1,380	24,574	396		3,756	84
Paper	883	59	2,441	806		16,758	883	788	441	72	2,426	2,957	173	3,456	1,880
Phones	2,706	28	7,389	2,137	61	67,965	4,925	2,133	3,435		15,092	7,005	748	16,772	5,460
Storage	1,249		2,590	430		45,112	3,387	2,428	4,179		7,419	7,381	477	9,080	4,120
Supplies	485		283			15,721	1,403	115			1,068	40		178	
Tables	2,376	268	3,995	302		45,430	1,457	252	510		5,485	865	1,825	6,551	3,519

Sum of Sales broken down by State/Province vs. Sub-Category.

## Text Table

State/Province

Sub-Catego..	Iowa	Kansas	Kentucky	Louisia..	Maine	Manito..	Maryla..	Massac..	Michigan	Minnes..	Mississ..	Missouri	Montana	Nebras..	Nevada
Accessories		92	2,976	1,668	323		1,124	897	4,933	1,520	2,010	1,022	217	240	230
Appliances		82	1,336	17	102		1,589	3,348	4,324	2,844	616	3,670		501	96
Art	147	163	351	130			434	226	1,005	103	607	240		19	214
Binders	248	612	3,696	629	38	1,138	3,225	2,105	22,822	12,470	967	1,876	502	128	4,897
Bookcases			262	388			882	1,874	810		505	213			142
Chairs	1,408		9,234	802		710	4,330	4,246	13,878	6,079	866	61		564	674
Copiers			1,400					1,200	1,150	550		5,500	3,000		
Envelopes	13		105	62			337		310	31	91	71			
Fasteners	46	24	76				27	51	110	43	35			58	5
Furnishings	49	111	1,788	182	109	30	3,148	834	1,916	232	430	941	64	1,381	463
Labels		19	363	11			172	166	881	161	15	15	15	14	15
Machines			3,080	480			465		3,411						2,396
Paper	316	303	1,059	104	260		1,039	1,774	2,011	320	725	302	41	333	318
Phones	1,154	757	5,114	683	438		2,577	3,630	6,731	775	813	565	446	3,046	2,511
Storage	13	394	4,822	805		53	3,542	4,289	6,187	3,398	576	1,792	1,304	1,165	1,326
Supplies		358	86	1,666			25	30	74	37		4,217		17	86
Tables	1,185		843	1,591			790	3,966	5,717	1,300	2,516	1,722			3,355

Sum of Sales broken down by State/Province vs. Sub-Category.

## Text Table

Sub-Catego..	State/Province														
	New Bru nswick	New Ha mpshire	New Jersey	New Mexico	New York	Newfoun dland a..	North Carolina	North Dakota	Nova Scotia	Ohio	Oklaho..	Ontario	Oregon	Pennsyl..	Prince Edward..
Accessories		2,812	1,024	1,164	19,598		3,507			8,223	1,817		1,160	7,299	
Appliances		33	4,204		13,276		4,138			4,808	1,491	349	536	4,663	
Art	66	266	743	277	2,984		603	182		840	59	181	462	1,152	141
Binders		763	3,530	126	32,457		2,562	26		1,917	445	1,682	281	6,266	626
Bookcases			2,276		22,777		959			2,078	342		357	5,231	
Chairs			2,662	1,114	46,634		2,724			10,146	3,963	934	3,841	18,724	321
Copiers					17,200		960			3,840		1,217		13,080	
Envelopes			154	28	1,777		431			562	407		50	1,234	
Fasteners		15	54		287		66	7		205		82	20	155	
Furnishings	160	833	951	587	10,182	515	1,791		233	4,089	1,445	261	468	7,348	
Labels		41	66	18	1,291		229			162	64		902	598	
Machines			9,900		43,184		12,621			8,978			210	2,134	
Paper		285	1,422	626	8,457		2,594		149	2,146	197	26	953	2,378	
Phones		825	3,578	534	47,503		8,996			14,635	4,551	838	4,451	19,702	
Storage		337	4,669	280	26,928		3,438	705		7,264	2,345	600	1,991	11,785	
Supplies		28	114	30	2,564		302			479	22	52	77	6,710	
Tables		1,053	418		13,779		9,682			7,887	2,534	786	1,672	8,052	

Sum of Sales broken down by State/Province vs. Sub-Category.

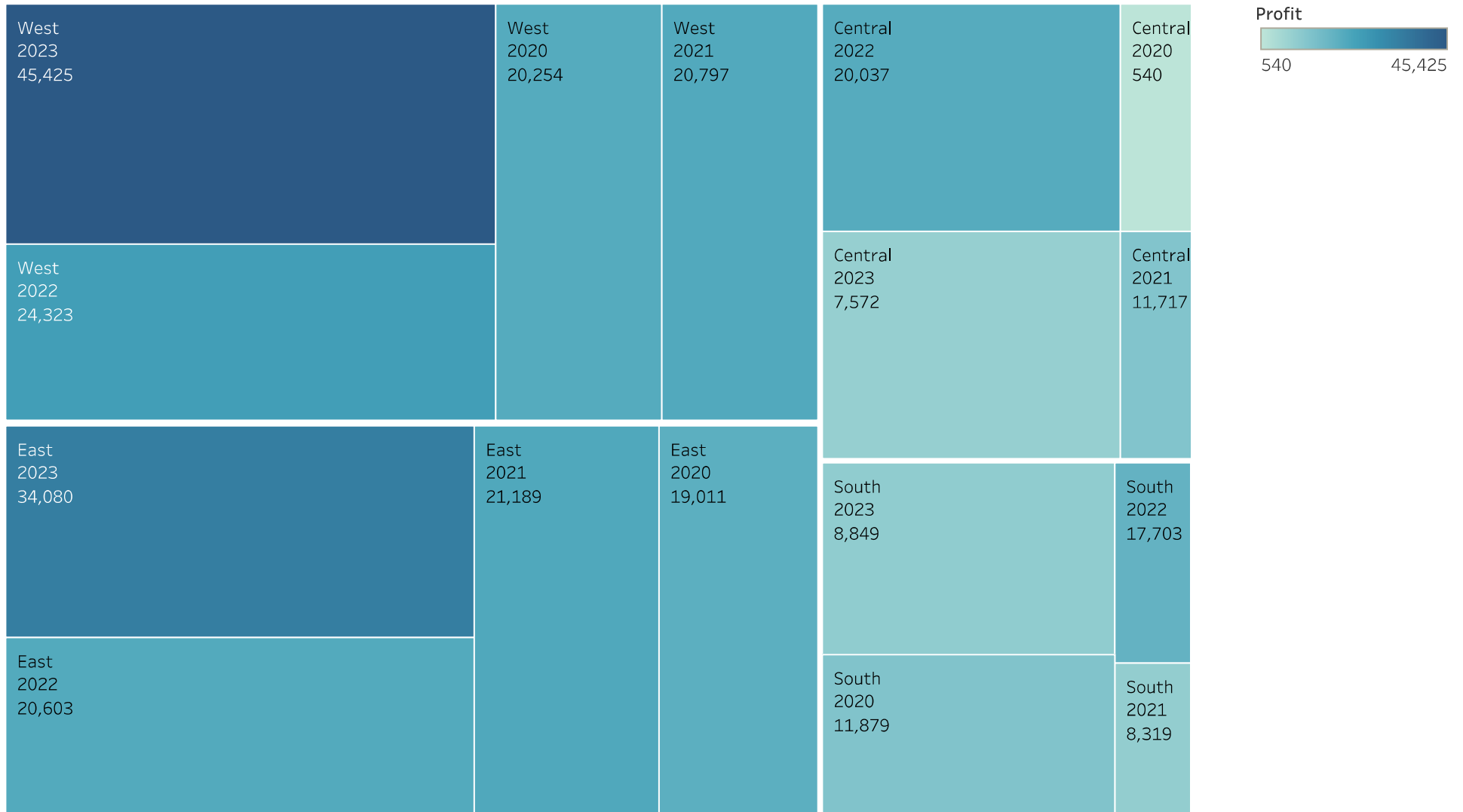
## Text Table

State/Province

Sub-Catego..	Quebec	Rhode Island	Saskatc..	South Carolina	South Dakota	Tennes..	Texas	Utah	Vermont	Virginia	Washin..	West Virginia	Wiscon..	Wyomi..
Accessories		2,210		139	393	411	11,329	195	305	2,936	15,119		4,795	
Appliances	252	2			416	1,915	2,408	1,090	543	4,306	1,969		2,711	
Art	44	49		35		436	2,370	100	8	876	1,064		160	
Binders	496	292		515	115	5,148	9,043	760		4,794	18,156	89	588	
Bookcases	145	563			142	518	14,493	2,700	4,405	1,248	3,144		3,874	
Chairs		3,194		2,538	183	5,075	26,572		715	5,322	16,387		11,495	1,603
Copiers		7,400					5,640	1,500		1,600	20,250			
Envelopes				319		177	2,531		2	1,084	513			
Fasteners	211			43	7	87	332	10		85	263		2	
Furnishings	585	403	132	540		1,699	3,767	165		4,709	3,427		1,020	
Labels	209				35	115	584	30		475	1,154		178	
Machines						740	19,546			8,960	6,066			
Paper	828	570		332		1,060	6,983	1,152	92	1,206	3,319	448	1,392	
Phones	909	865		1,453		3,656	28,590	615	1,295	10,650	9,102		4,003	
Storage	148	4,626		2,567		3,311	15,724	902	1,564	3,769	13,163		1,007	
Supplies		695			26	98	4,517	44		4,575	483		22	
Tables		1,758				6,214	15,761	1,957		14,042	25,062	673	868	

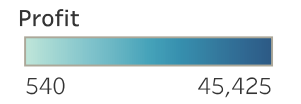
Sum of Sales broken down by State/Province vs. Sub-Category.

# Tree Map



Region, Order Date Year and sum of Profit. Color shows sum of Profit. Size shows sum of Sales. The marks are labeled by Region, Order Date Year and sum of Profit.

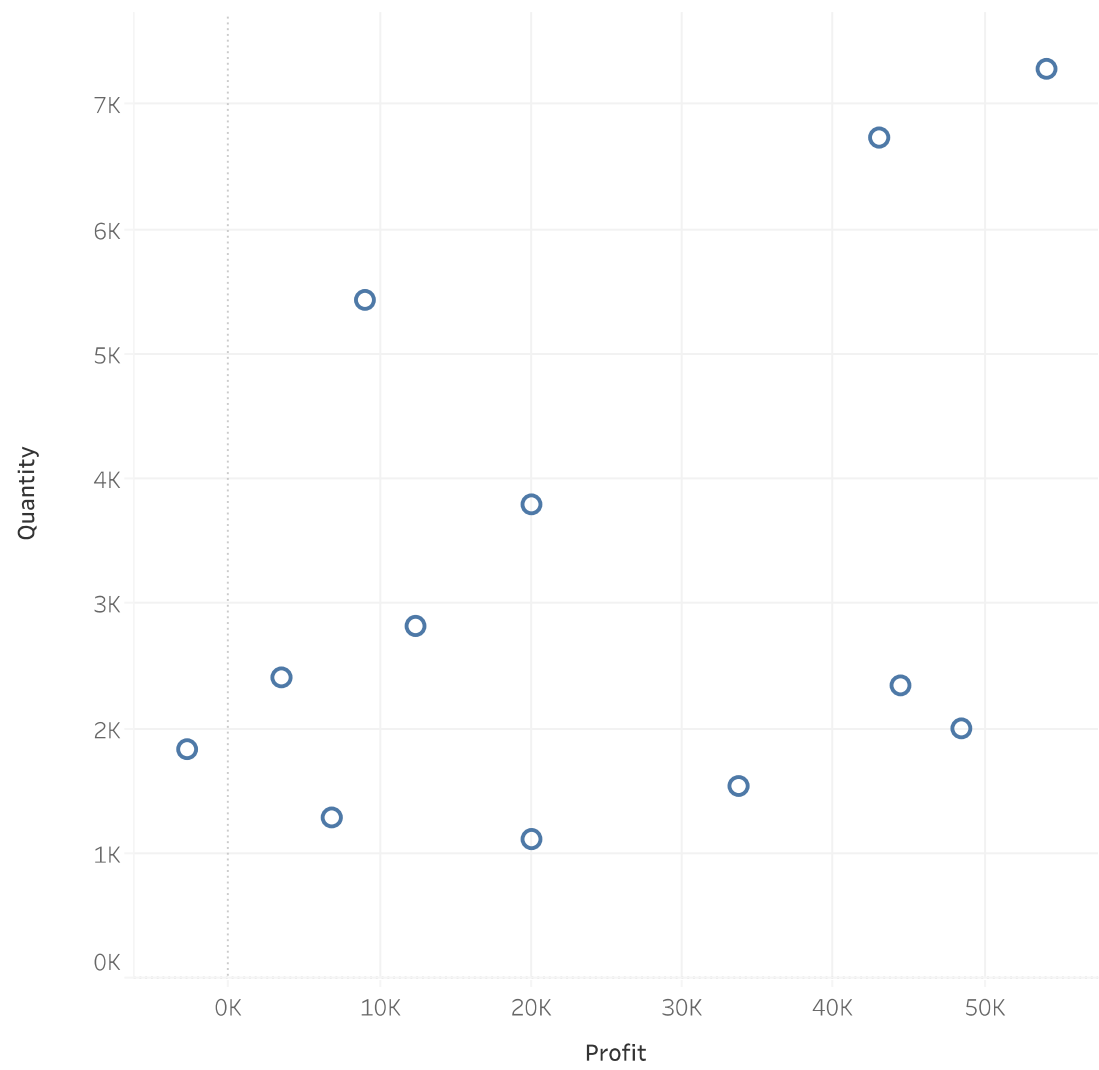
## Tree Map



Region, Order Date Year and sum of Profit. Color shows sum of Profit. Size shows sum of Sales. The marks are labeled by Region, Order Date Year and sum of Profit.

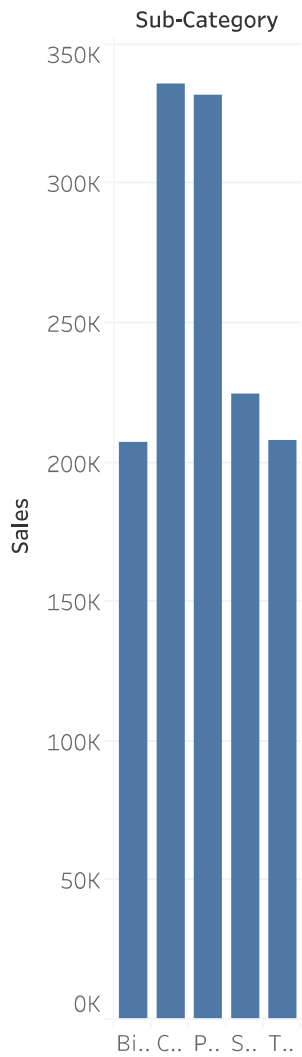


Scatter Plot



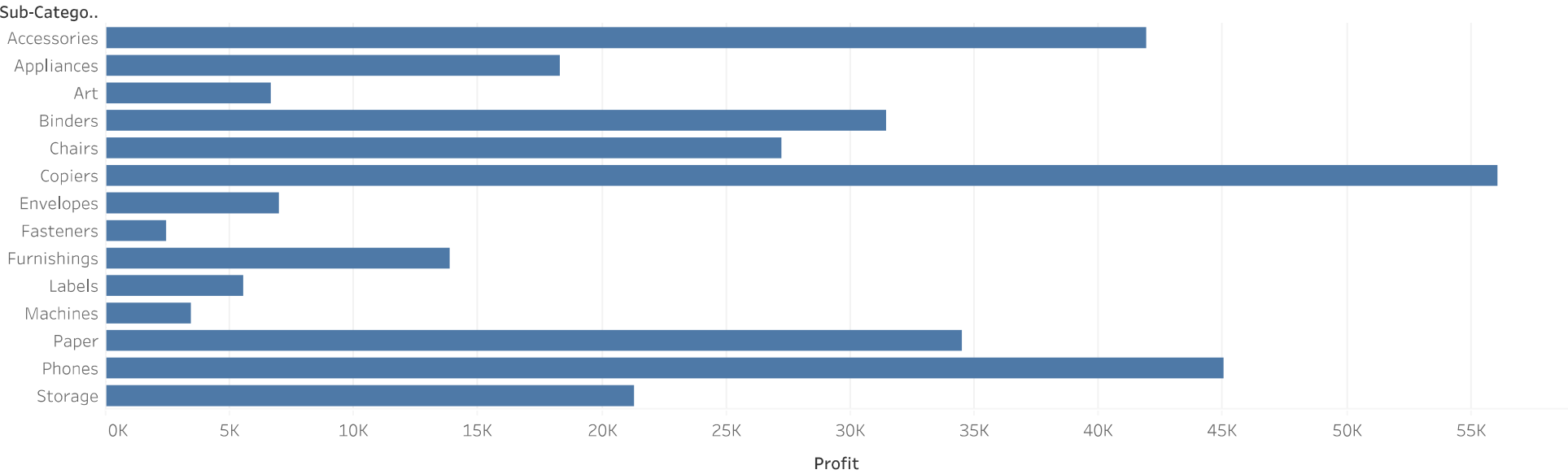
Sum of Profit vs. sum of Quantity. Details are shown for Region and Category.

Dimension Filter



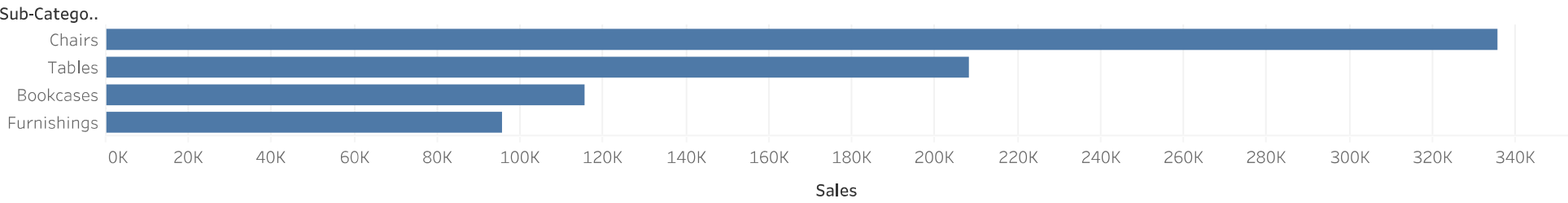
Sum of Sales for each Sub-Category. The view is filtered on Sub-Category, which has multiple members selected.

Measure Filter



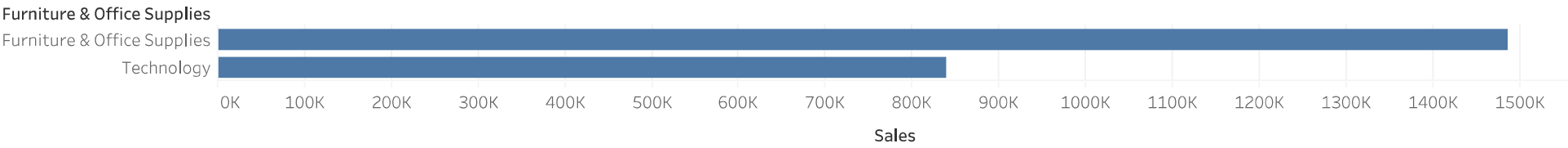
Sum of Profit for each Sub-Category. The data is filtered on average of Profit, which ranges from 0 to 801.34195.

# Context Filter



Sum of Sales for each Sub-Category. The context is filtered on Category, which keeps Furniture. The view is filtered on Sub-Category, which has multiple members selected.

Sheet 11



Sum of Sales for each Furniture & Office Supplies.