

Assignment-3

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Basic Calculations:

Code:

IF(sum([Profit])>86000)

THEN 'Profitable'

ELSE 'Not profitable'

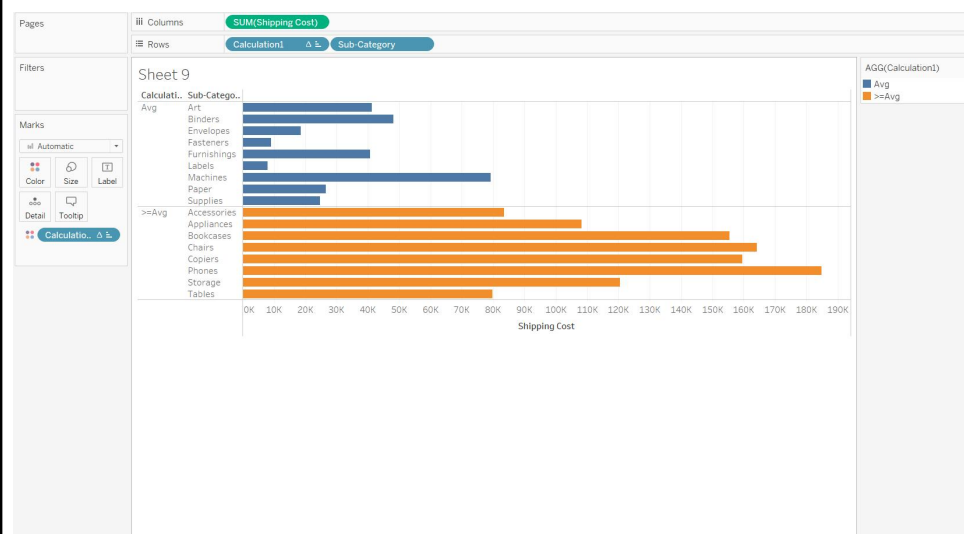
END

The screenshot shows a calculation editor window. The main text area contains the following code:

```
IF(sum([Profit])>86000)
THEN 'Profitable'
ELSE 'Not profitable'
END
```

Below the code, it says "The calculation is valid." and "1 Dependency". There are "Apply" and "OK" buttons. To the right, there is a dropdown menu with "All" selected, and a search bar. Below the search bar is a list of functions: ABS, ACOS, AND, AREA, ASCII, ASIN, ATAN, ATAN2, ATTR, and AVG. To the right of this list is a description for the ABS function: "Returns the absolute value of the given number. Example: ABS(-7) = 7".

Visualization:



LOD Calculations:

Code:

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

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

All

Search

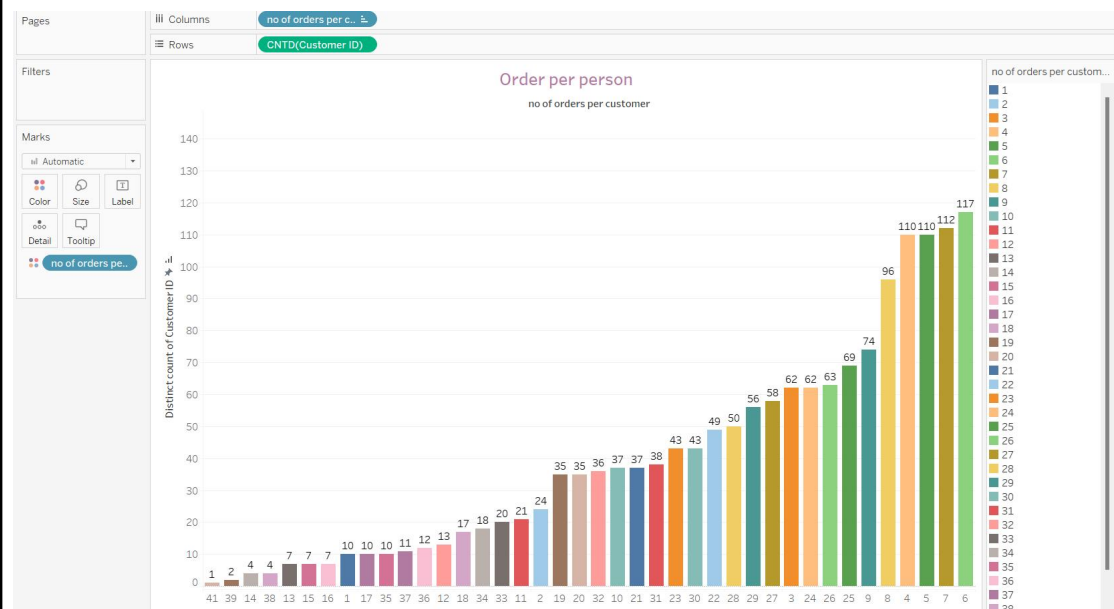
ABS
ACOS
AND
AREA
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG

ABS (number)
Returns the absolute value of the given number.

Example: ABS(-7) = 7

The calculation is valid. 3 Dependencies Apply OK

Visualization:



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

sales per customers

×

All

Search

ABS

ACOS

AND

AREA

ASCII

ASIN

ATAN

ATAN2

ATTR

AVG

ABS (number)

Returns the absolute value of the given number.

Example: $ABS(-7) = 7$

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

The calculation is valid.

5 Dependencies

Apply

OK

Visualization:

Sales per Customer in Clusters:

Pages

Filters

State

Marks

Automatic

ColorSizeText

DetailTooltip

Clusters

SUM(sales per

Region

III Columns

Category

Sub-Category

Rows

State

Sheet 19

Category / Sub-Category

Office Supplies

Technology

Phones

Clusters

Cluster 1

Cluster 2

Cluster 3

State	Bookc...	Furniture			Applia...	Art	Binders	Envel...	Faste...	Labels	Paper	Stora...	Suppli...	Acces...	Copiers	Machi...	Phones
		Chairs	Furnis...	Tables													
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
Distrto 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	1,228	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	7,978	16,772	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	17,726	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	13,898	11,912	8,252	3,628	1,903	3,251	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])}
```

sales per state

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

All

Search

ABS
ACOS
AND
AREA
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG

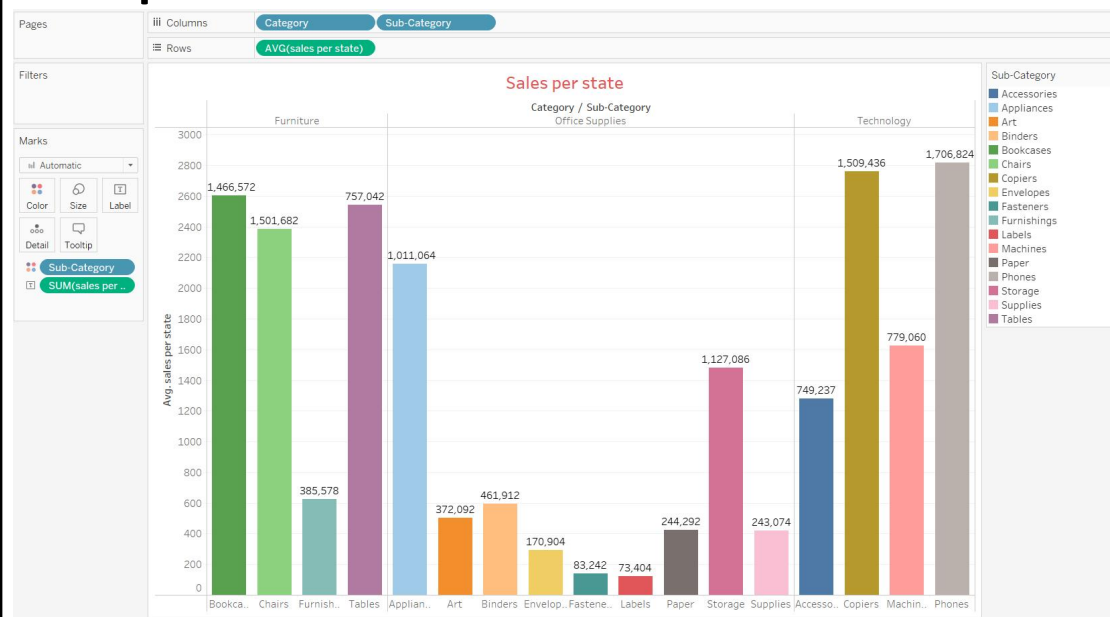
ABS (number)
Returns the absolute value of the given number.
Example: ABS(-7) = 7

The calculation is valid. 4 Dependencies

Apply

OK

Visualization: Sales per State:



Code:

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

exclude region

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

All

Search

ABS

ACOS

AND

AREA

ASCII

ASIN

ATAN

ATAN2

ATTR

AVG

ABS (number)

Returns the absolute value of the given number.

Example: ABS(-7) = 7

The calculation is valid.

1 Dependency

Apply

OK

Visualization:

