

ASSIGNMENT-4

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Basic Calculations:

Code:

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

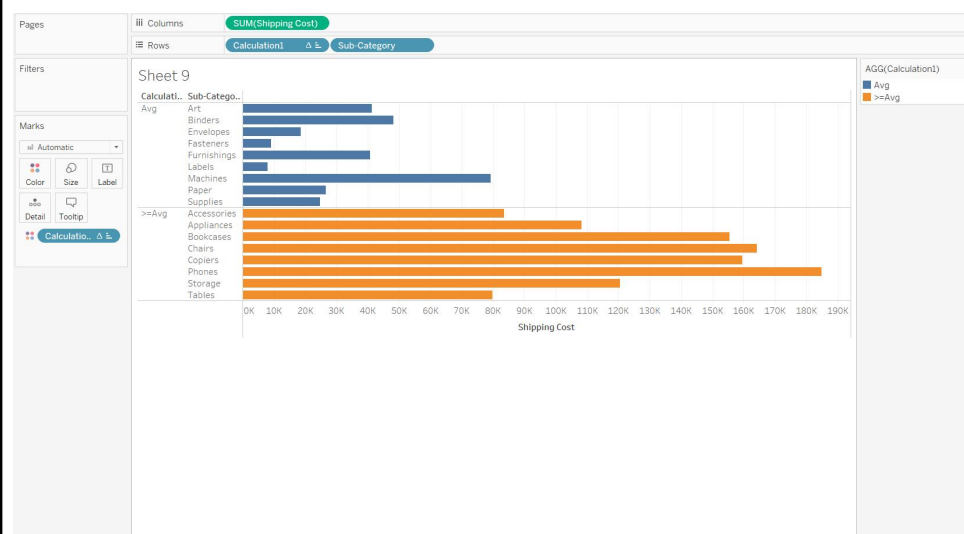
The screenshot shows a calculation editor window. The main text area contains the following code:

```
profitable or not

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

Below the code, it states "The calculation is valid." and "1 Dependency". There are "Apply" and "OK" buttons. To the right, a dropdown menu is open, showing a list of functions: All, Search, ABS, ACOS, AND, AREA, ASCII, ASIN, ATAN, ATAN2, ATTR, and AVG. Further right, a tooltip for the ABS function is displayed, stating "ABS(number)" and "Returns the absolute value of the given number." with an example: "Example: ABS(-7) = 7".

Visualization:



LOD Calculations:

Code:

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

no of orders per customer

×

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

The calculation is valid.

3 Dependencies

Apply

OK

All

Search

ABS

ACOS

AND

AREA

ASCII

ASIN

ATAN

ATAN2

ATTR

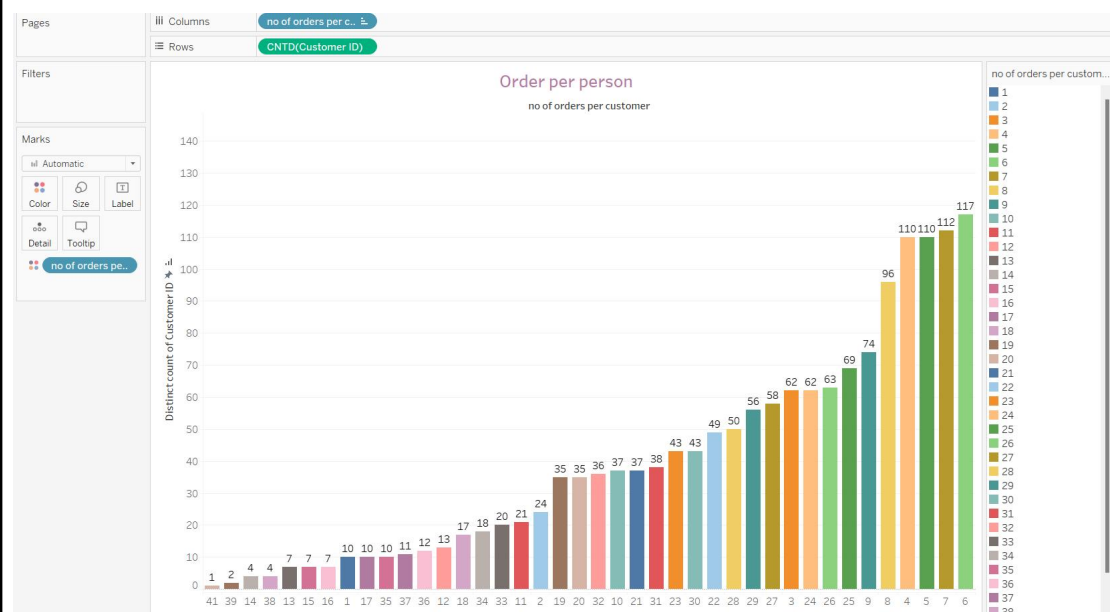
AVG

ABS (number)

Returns the absolute value of the given number.

Example: $ABS(-7) = 7$

Visualization:



Code:

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

sales per customers

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

The calculation is valid.

5 Dependencies

Apply

OK

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

Visualization:

Sales per Customer in Clusters:

Pages

Columns

Category

Sub-Category

Rows

State

Filters

State

Marks

Automatic

Color

Size

Text

Detail

Tooltip

Clusters

SUM(sales per

Region

Sheet 19

State	Category / Sub-Category															Technology				Phones
	Books	Chairs	Furnis	Tables	Applia	Art	Binders	Envel	Faste	Labels	Paper	Stora	Suppli	Acces	Copiers	Machi				
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	-	3,016			
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]) }
```

sales per state

×

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

The calculation is valid.

4 Dependencies ▾

Apply

OK

All ▾

Search

ABS

ACOS

AND

AREA

ASCII

ASIN

ATAN

ATAN2

ATTR

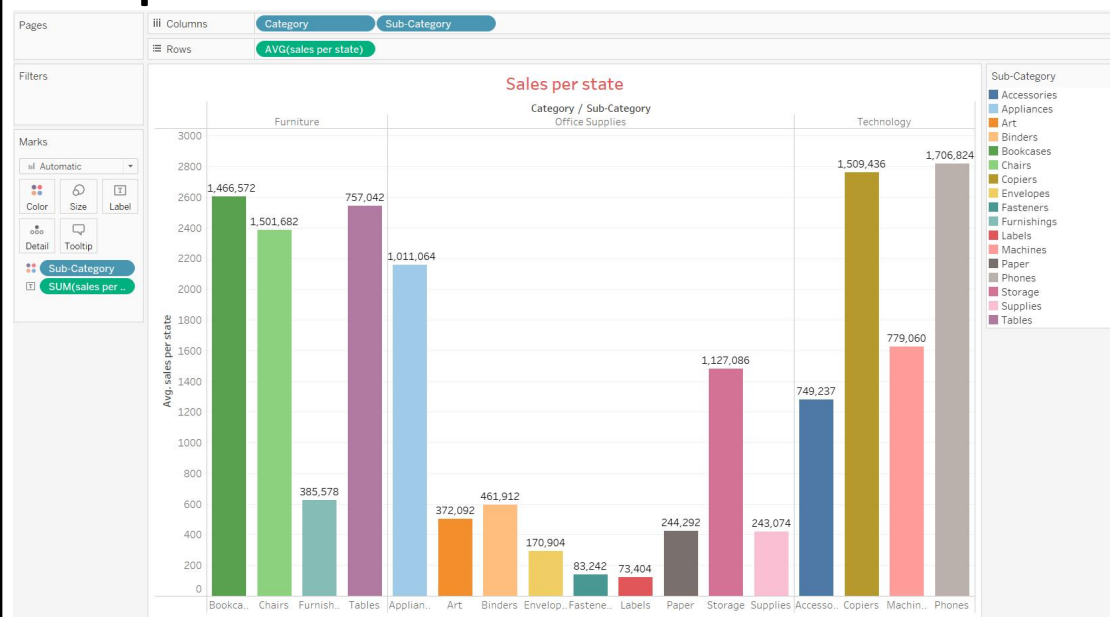
AVG

ABS (number)

Returns the absolute value of the given number.

Example: ABS(-7) = 7

Visualization: Sales per State:



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

exclude region

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

The calculation is valid.

1 Dependency

Apply

OK

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

Visualization:

