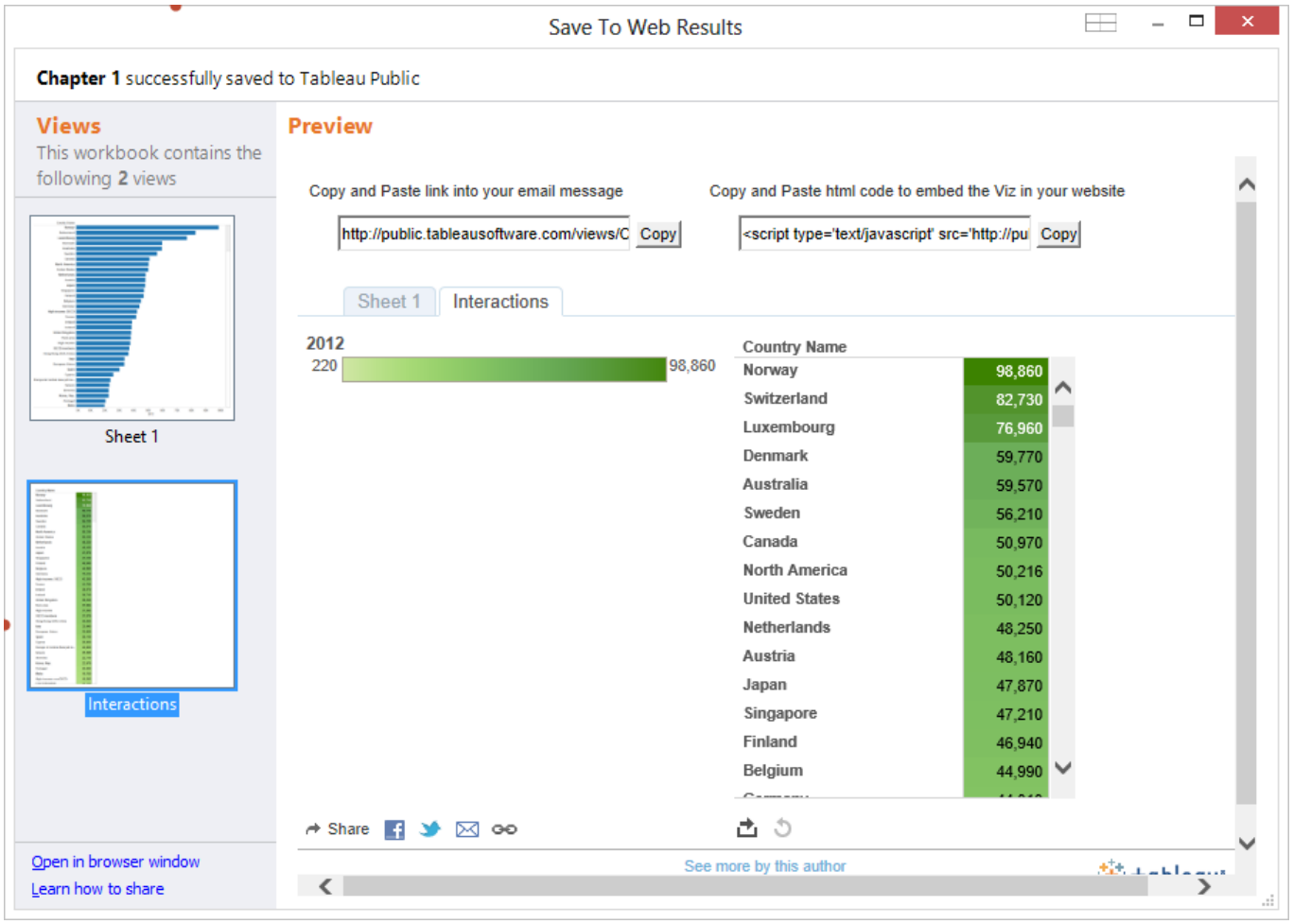
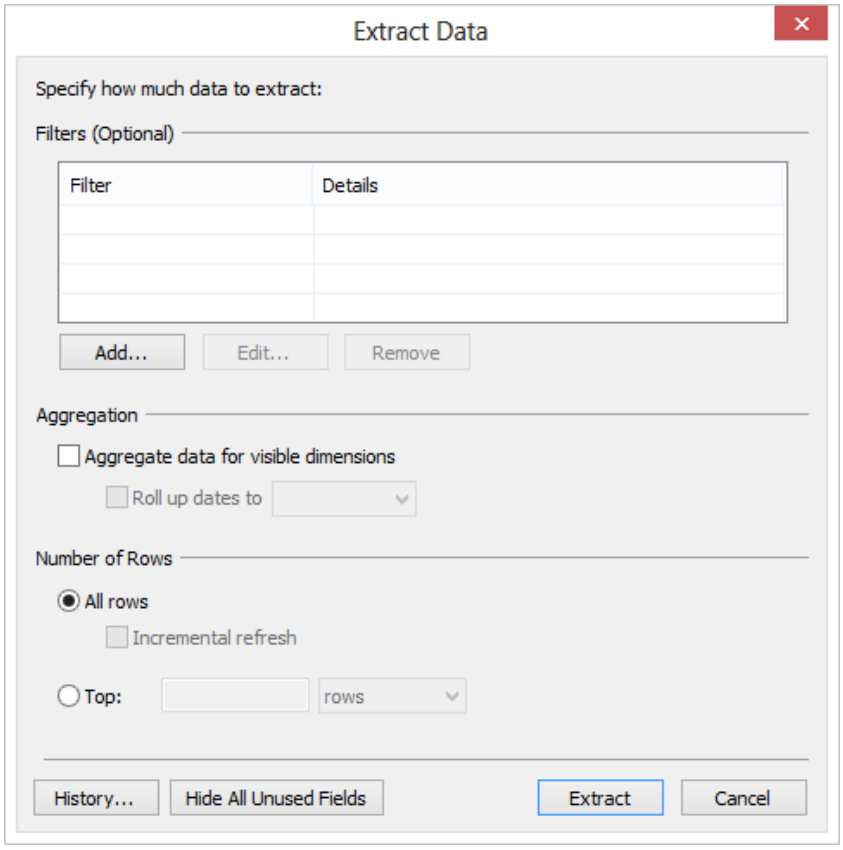
Tableau Dashboard Cookbook

Chapter 1

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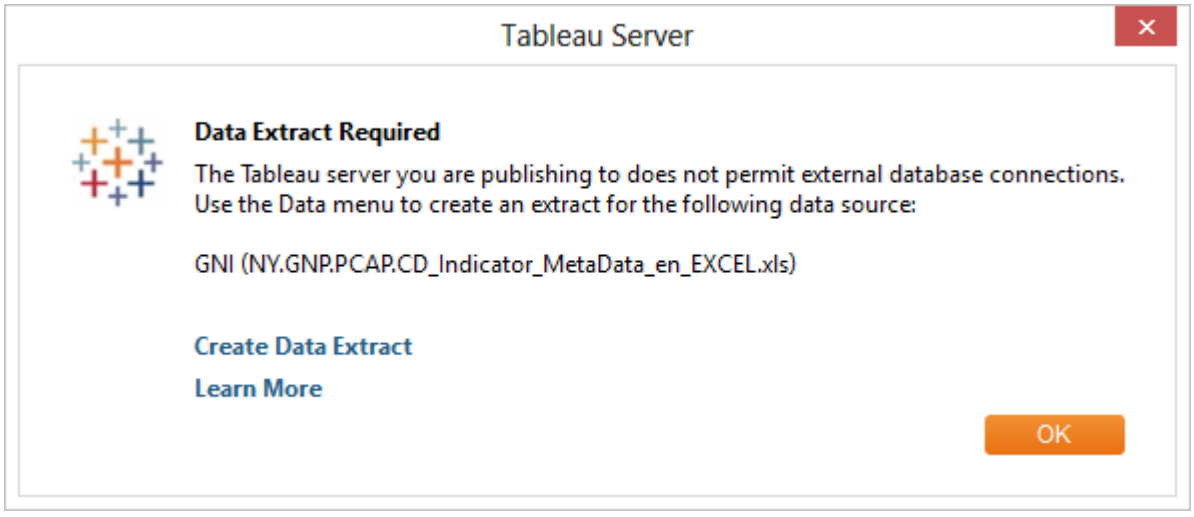
Tableau Server
Data Extract Required
The Tableau server you are publishing to does not permit external database connections.
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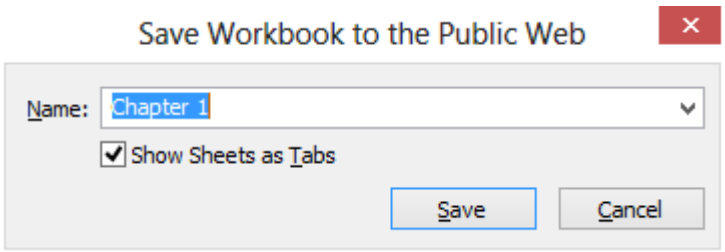
GNI (NY.GNP.PCAP.CD_Indicator_MetaData_en_EXCEL.xls)
Create Data Extract
Learn More
OK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Chapter 1
Show Sheets as Tabs
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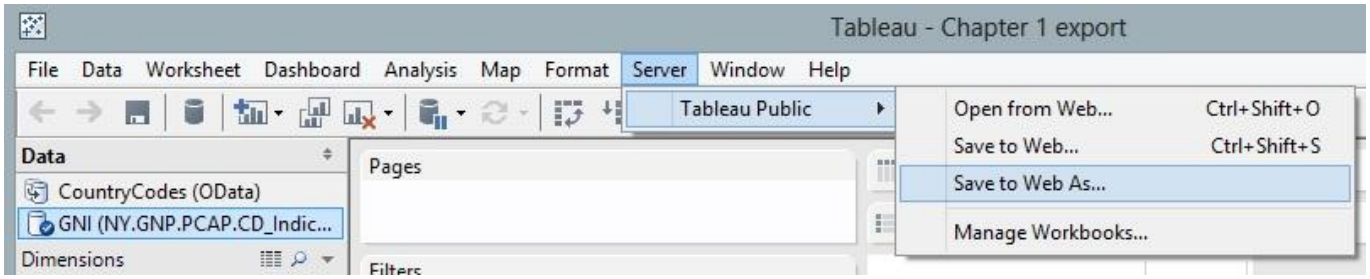
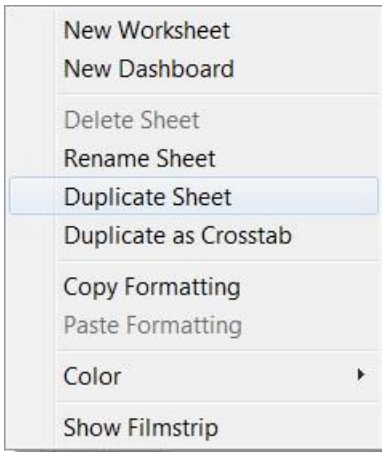
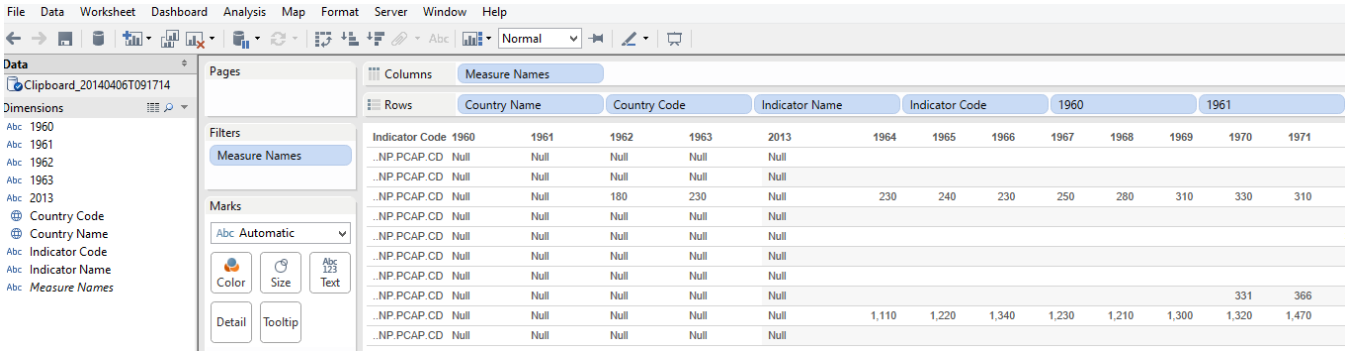
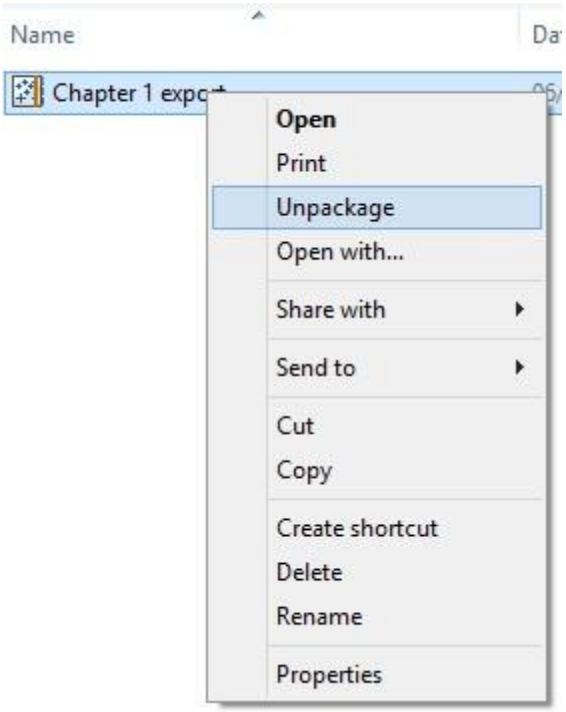


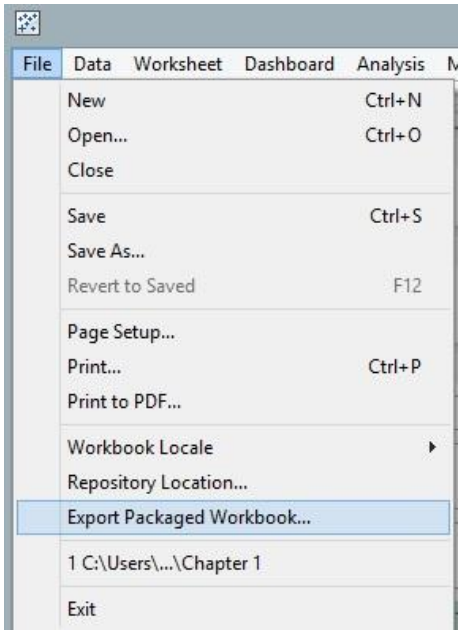


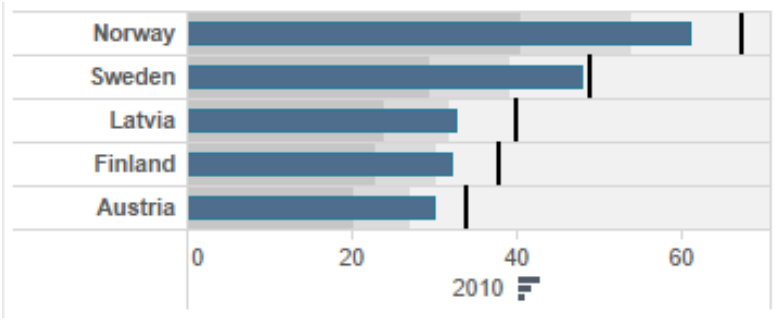


Country Name	Country Code	Indicator Name	Indicator Code	1960	1961	1962	1963	1964	1965
Aruba	ABW	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
Andorra	AND	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
Afghanistan	AFG	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
Angola	AGO	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
Albania	ALB	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
Arab World	ARB	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
United Arab Emirates	ARE	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
Argentina	ARG	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD					1110	1220
Armenia	ARM	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
American Samoa	ASM	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
Antigua and Barbuda	ATG	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD						
Australia	AUS	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD			1880	1980	2110	2280
Austria	AUT	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD			1060	1140	1240	1340

	A	B	C	D	E	F	G	H	I	J	K
1	Data Source	World Development Indicators									
2											
3	Country Name	Country Code	Indicator Name	Indicator Code	1960	1961	1962	1963	1964	1965	1966
4	Aruba	ABW	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
5	Andorra	AND	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
6	Afghanistan	AFG	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
7	Angola	AGO	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
8	Albania	ALB	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
9	Arab World	ARB	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
10	United Arab Emirates	ARE	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
11	Argentina	ARG	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD					1110	1220	1340
12	Armenia	ARM	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
13	American Samoa	ASM	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
14	Antigua and Barbuda	ATG	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
15	Australia	AUS	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD			1880	1980	2110	2280	2350
16	Austria	AUT	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD			1060	1140	1240	1340	1470
17	Azerbaijan	AZE	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD							
18	Burundi	BDI	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD			70	80	80	70	60
19	Belgium	BEL	GNI per capita, Atlas method (current U	NY.GNP.PCAP.CD			1450	1530	1670	1800	1950



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Sweden
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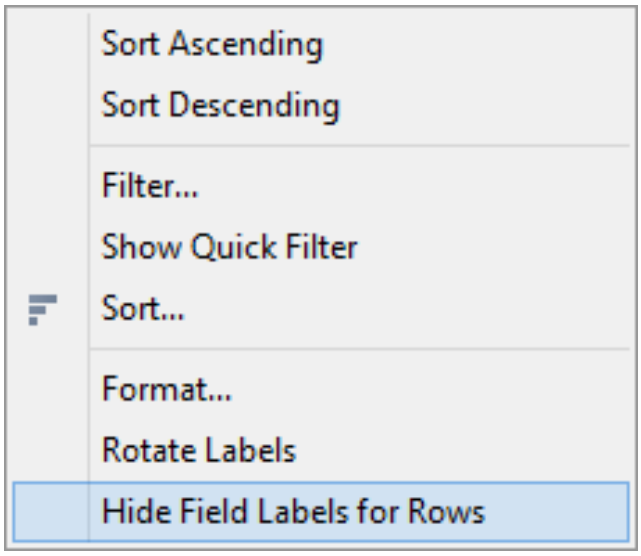
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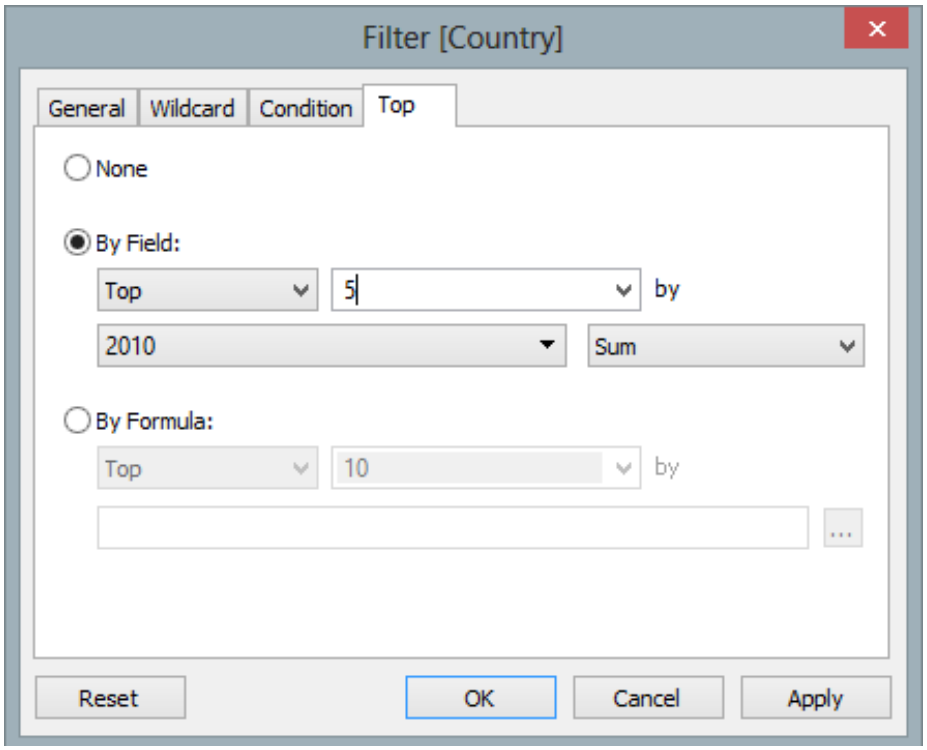
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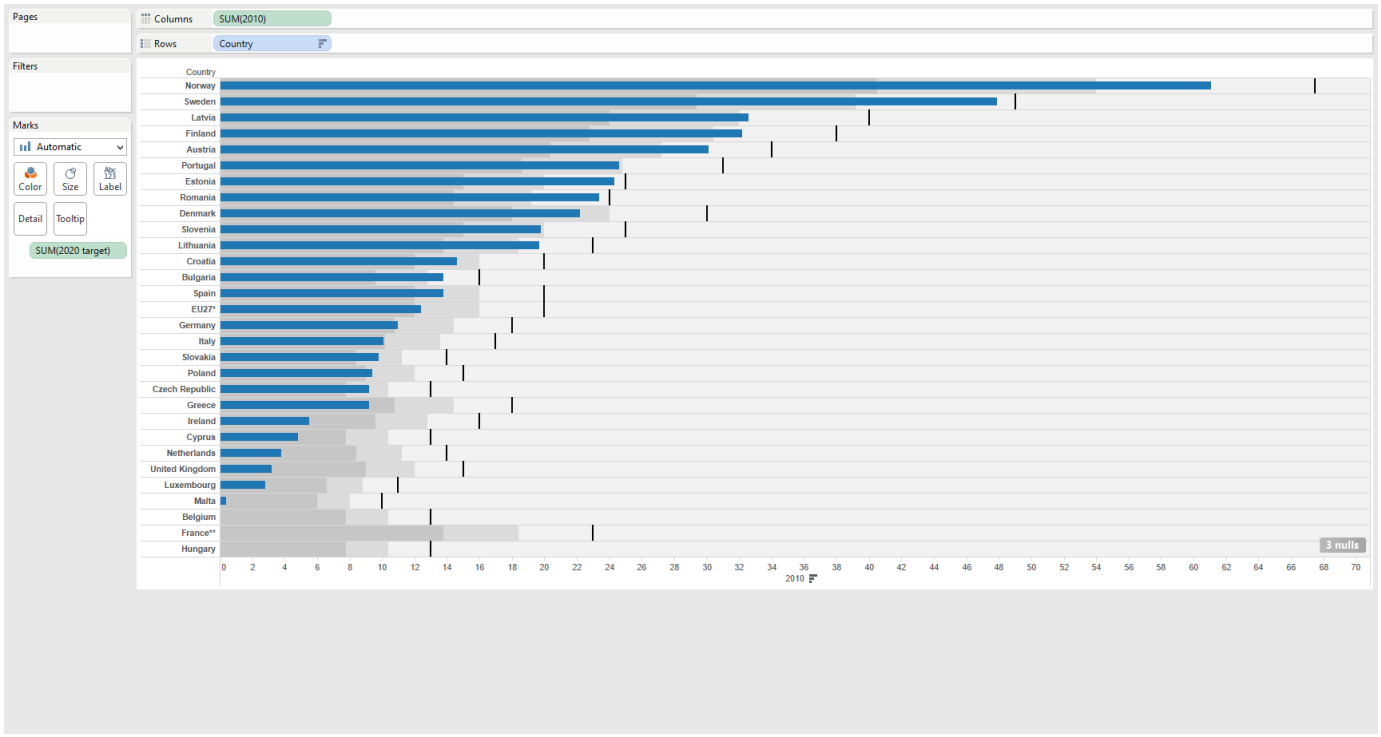
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Portugal
Estonia
Romania
Denmark
Slovenia
Lithuania
Croatia
Bulgaria
Spain
EU27*
Germany
Italy
Slovakia
Poland
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United Kingdom
Luxembourg
Malta
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France**
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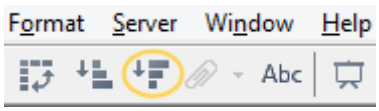
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Show Me
For bullet graphs try
0 or more dimensions
2 measures
Use axis menu to swap measures

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SUM(2006)
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Country
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Belgium
Bulgaria
Croatia
Cyprus
Czech Republic
Denmark
Estonia
EU27*
Finland
France**
Germany
Greece
Hungary
Ireland
Italy
Latvia
Lithuania
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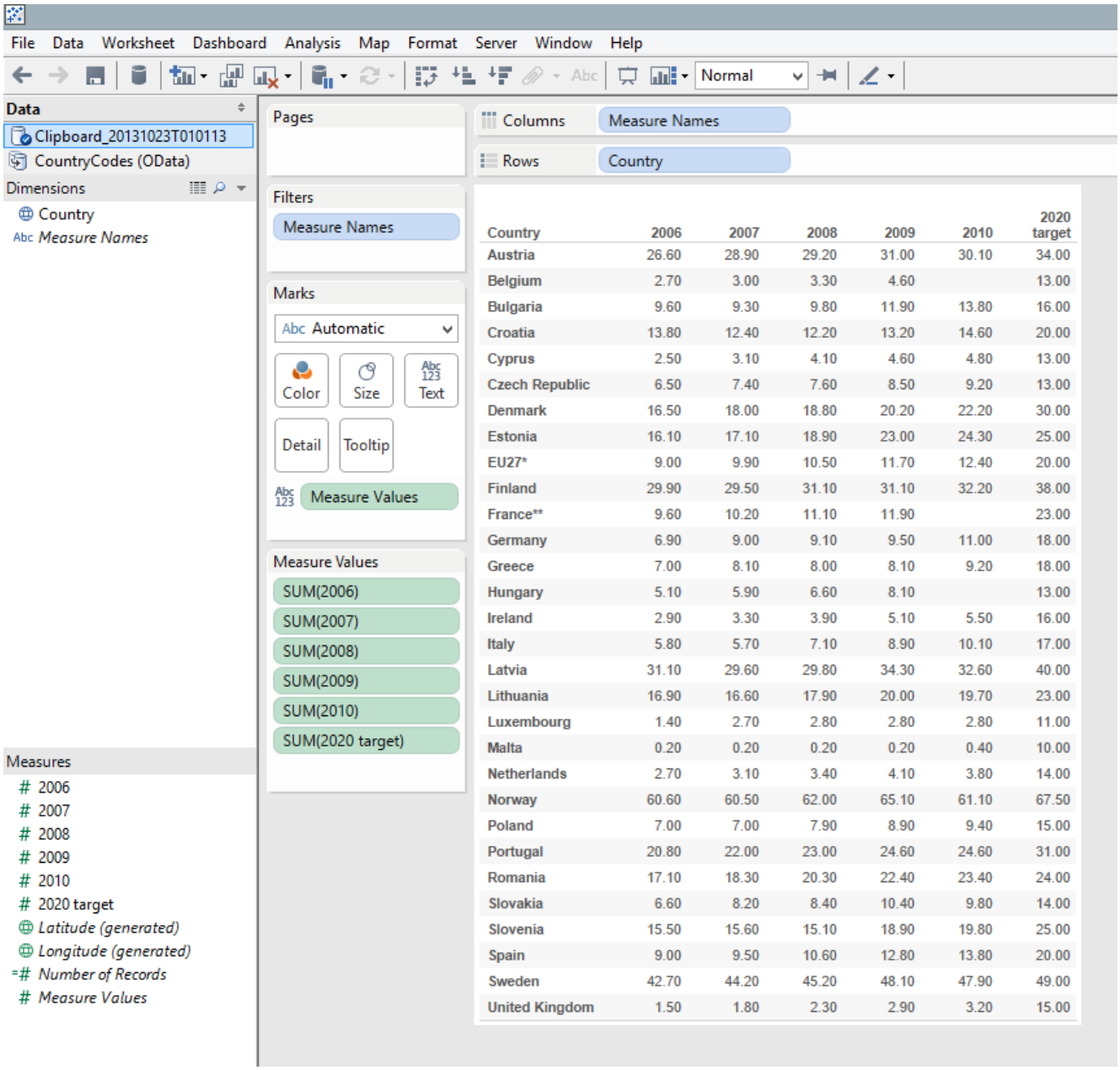

Country	2006	2007	2008	2009	2010	2020 target
Austria	26.60	28.90	29.20	31.00	30.10	34.00
Belgium	2.70	3.00	3.30	4.60		13.00
Bulgaria	9.60	9.30	9.80	11.90	13.80	16.00
Croatia	13.80	12.40	12.20	13.20	14.60	20.00
Cyprus	2.50	3.10	4.10	4.60	4.80	13.00
Czech Republic	6.50	7.40	7.60	8.50	9.20	13.00
Denmark	16.50	18.00	18.80	20.20	22.20	30.00
Estonia	16.10	17.10	18.90	23.00	24.30	25.00
EU27*	9.00	9.90	10.50	11.70	12.40	20.00
Finland	29.90	29.50	31.10	31.10	32.20	38.00
France**	9.60	10.20	11.10	11.90		23.00
Germany	6.90	9.00	9.10	9.50	11.00	18.00
Greece	7.00	8.10	8.00	8.10	9.20	18.00
Hungary	5.10	5.90	6.60	8.10		13.00
Ireland	2.90	3.30	3.90	5.10	5.50	16.00
Italy	5.80	5.70	7.10	8.90	10.10	17.00
Latvia	31.10	29.60	29.80	34.30	32.60	40.00
Lithuania	16.90	16.60	17.90	20.00	19.70	23.00
Luxembourg	1.40	2.70	2.80	2.80	2.80	11.00
Malta	0.20	0.20	0.20	0.20	0.40	10.00
Netherlands	2.70	3.10	3.40	4.10	3.80	14.00
Norway	60.60	60.50	62.00	65.10	61.10	67.50
Poland	7.00	7.00	7.90	8.90	9.40	15.00
Portugal	20.80	22.00	23.00	24.60	24.60	31.00
Romania	17.10	18.30	20.30	22.40	23.40	24.00
Slovakia	6.60	8.20	8.40	10.40	9.80	14.00
Slovenia	15.50	15.60	15.10	18.90	19.80	25.00
Spain	9.00	9.50	10.60	12.80	13.80	20.00
Sweden	42.70	44.20	45.20	48.10	47.90	49.00
United Kingdom	1.50	1.80	2.30	2.90	3.20	15.00

EU COUNTRIES SHARE OF RENEWABLE ENERGY

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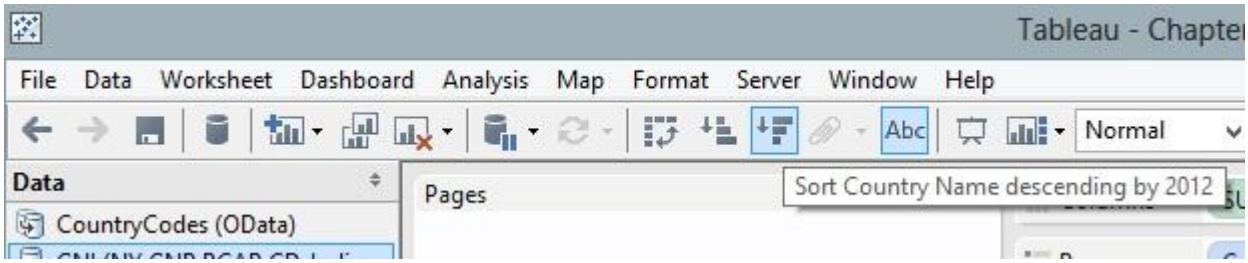
Country

	A	B	C	D	E	F	G
1	**Share of renewable energy (in % of gross final energy consumption)**						
2	**Country**	**2006**	**2007**	**2008**	**2009**	**2010**	**2020 target**
3	EU27*	9.0	9.9	10.5	11.7	12.4	20.0
4	Belgium	2.7	3.0	3.3	4.6	:	13.0
5	Bulgaria	9.6	9.3	9.8	11.9	13.8	16.0
6	Czech Republic	6.5	7.4	7.6	8.5	9.2	13.0
7	Denmark	16.5	18.0	18.8	20.2	22.2	30.0
8	Germany	6.9	9.0	9.1	9.5	11.0	18.0
9	Estonia	16.1	17.1	18.9	23.0	24.3	25.0
10	Ireland	2.9	3.3	3.9	5.1	5.5	16.0
11	Greece	7.0	8.1	8.0	8.1	9.2	18.0
12	Spain	9.0	9.5	10.6	12.8	13.8	20.0
13	France**	9.6	10.2	11.1	11.9	:	23.0
14	Italy	5.8	5.7	7.1	8.9	10.1	17.0
15	Cyprus	2.5	3.1	4.1	4.6	4.8	13.0
16	Latvia	31.1	29.6	29.8	34.3	32.6	40.0
17	Lithuania	16.9	16.6	17.9	20.0	19.7	23.0
18	Luxembourg	1.4	2.7	2.8	2.8	2.8	11.0
19	Hungary	5.1	5.9	6.6	8.1	:	13.0
20	Malta	0.2	0.2	0.2	0.2	0.4	10.0
21	Netherlands	2.7	3.1	3.4	4.1	3.8	14.0
22	Austria	26.6	28.9	29.2	31.0	30.1	34.0
23	Poland	7.0	7.0	7.9	8.9	9.4	15.0
24	Portugal	20.8	22.0	23.0	24.6	24.6	31.0
25	Romania	17.1	18.3	20.3	22.4	23.4	24.0
26	Slovenia	15.5	15.6	15.1	18.9	19.8	25.0
27	Slovakia	6.6	8.2	8.4	10.4	9.8	14.0
28	Finland	29.9	29.5	31.1	31.1	32.2	38.0
29	Sweden	42.7	44.2	45.2	48.1	47.9	49.0
30	United Kingdom	1.5	1.8	2.3	2.9	3.2	15.0
31	Croatia	13.8	12.4	12.2	13.2	14.6	20.0
32	Norway	60.6	60.5	62.0	65.1	61.1	67.5
33							



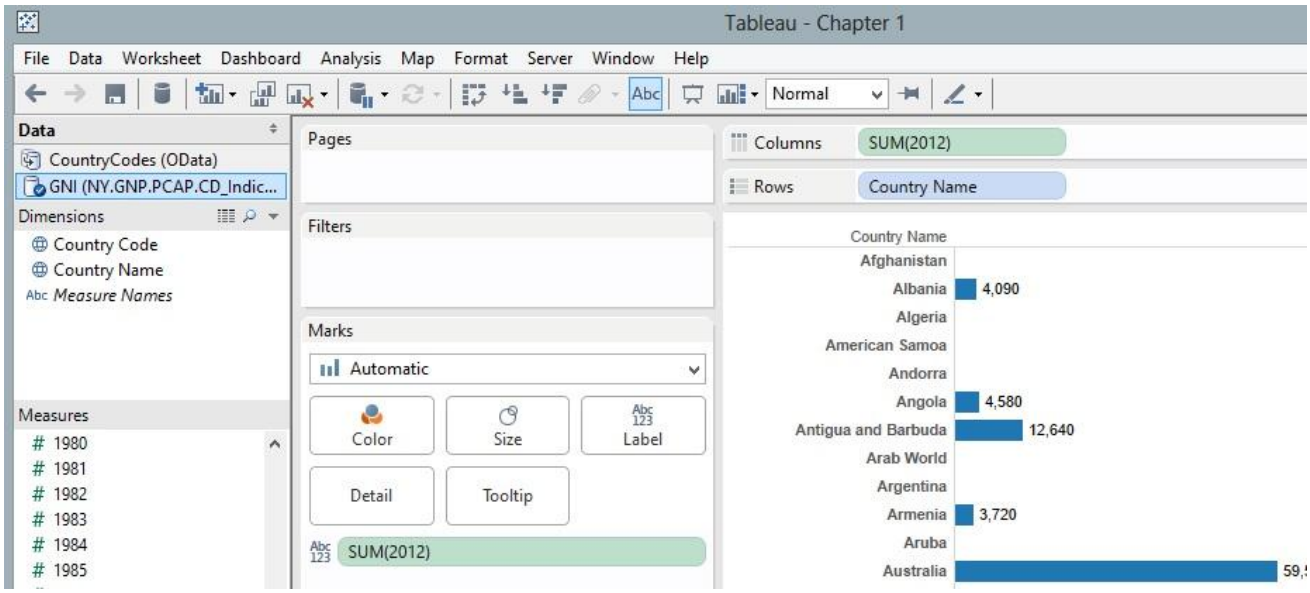


Tableau - Chapter 1
File Data Worksheet Dashboard Analysis Map Format Server Window Help
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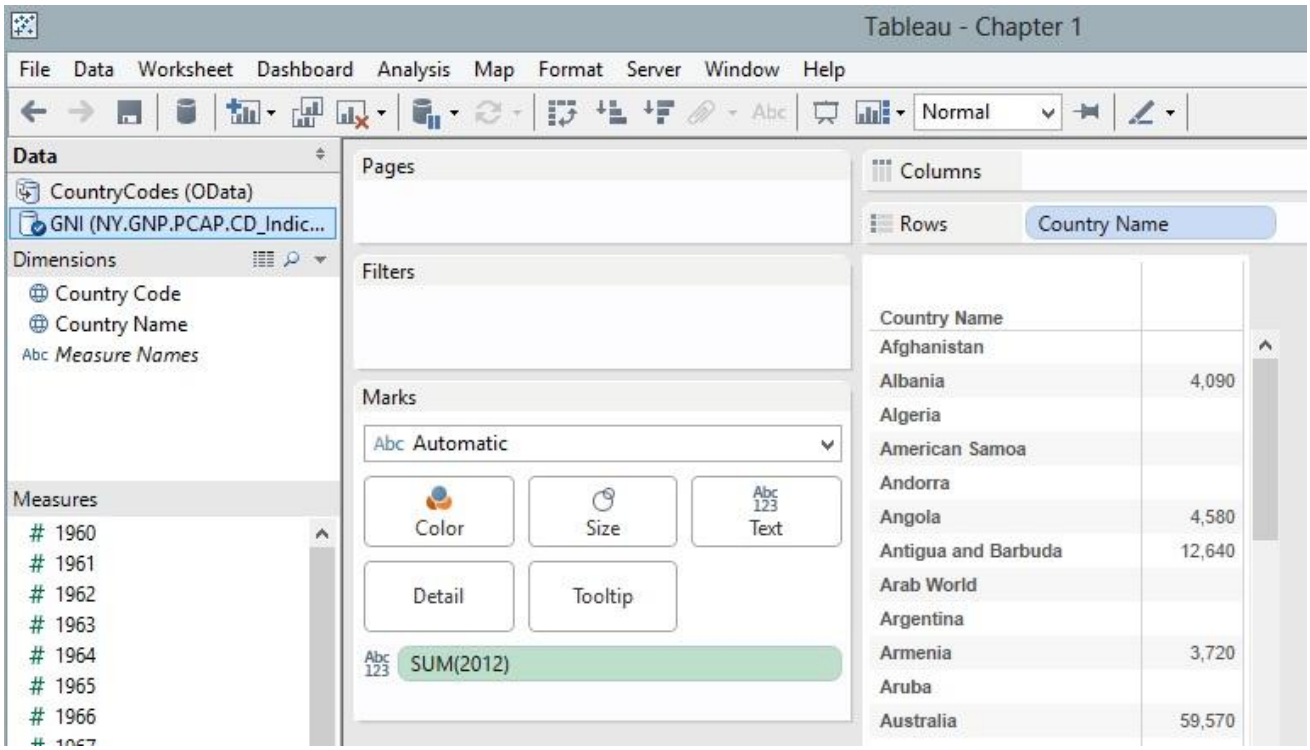
Antigua and Barbuda 12,640
Arab World
Argentina
Armenia 3,720
Aruba
Australia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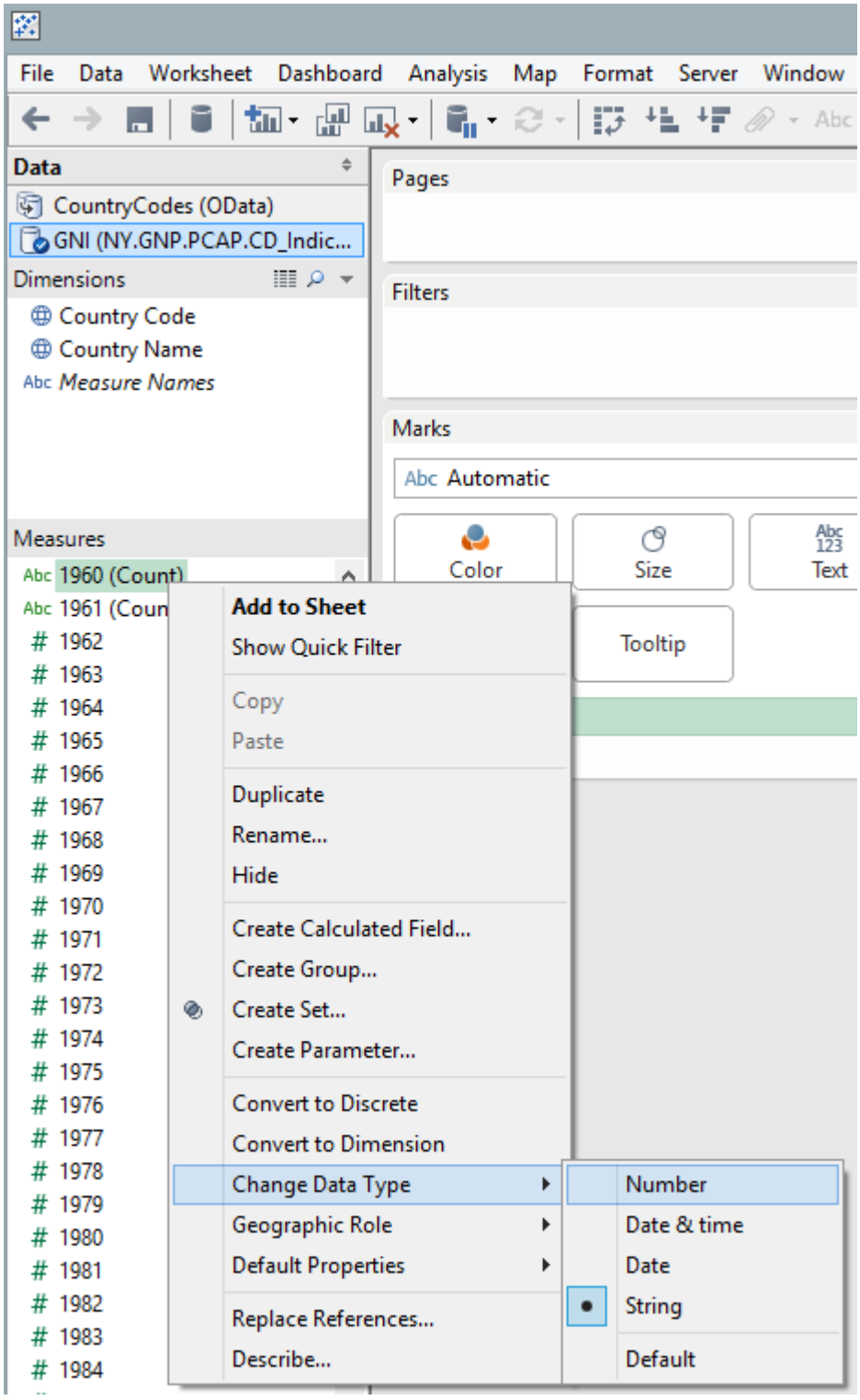
Australia 59,570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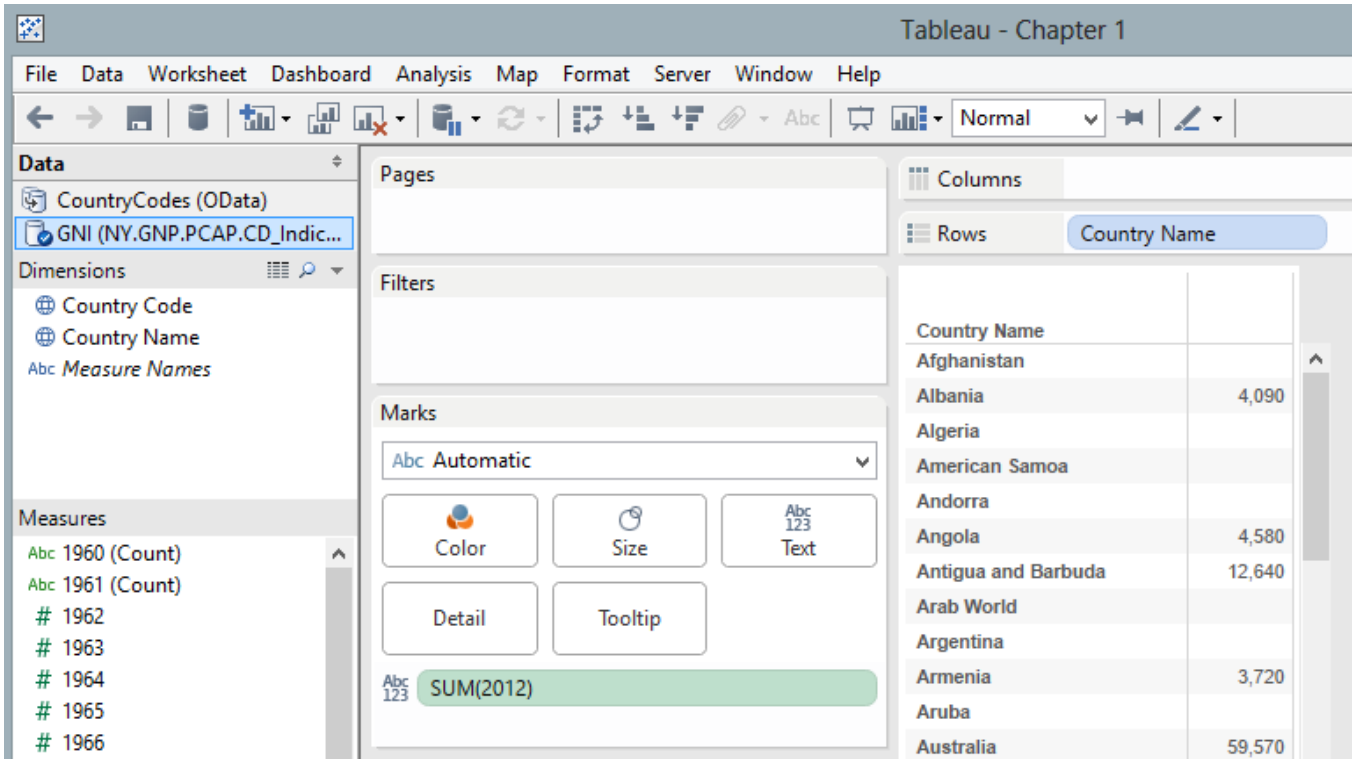
Tableau - Chapter 1
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Antigua and Barbuda 12,640
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Armenia 3,720
Aruba
Australia 59,570

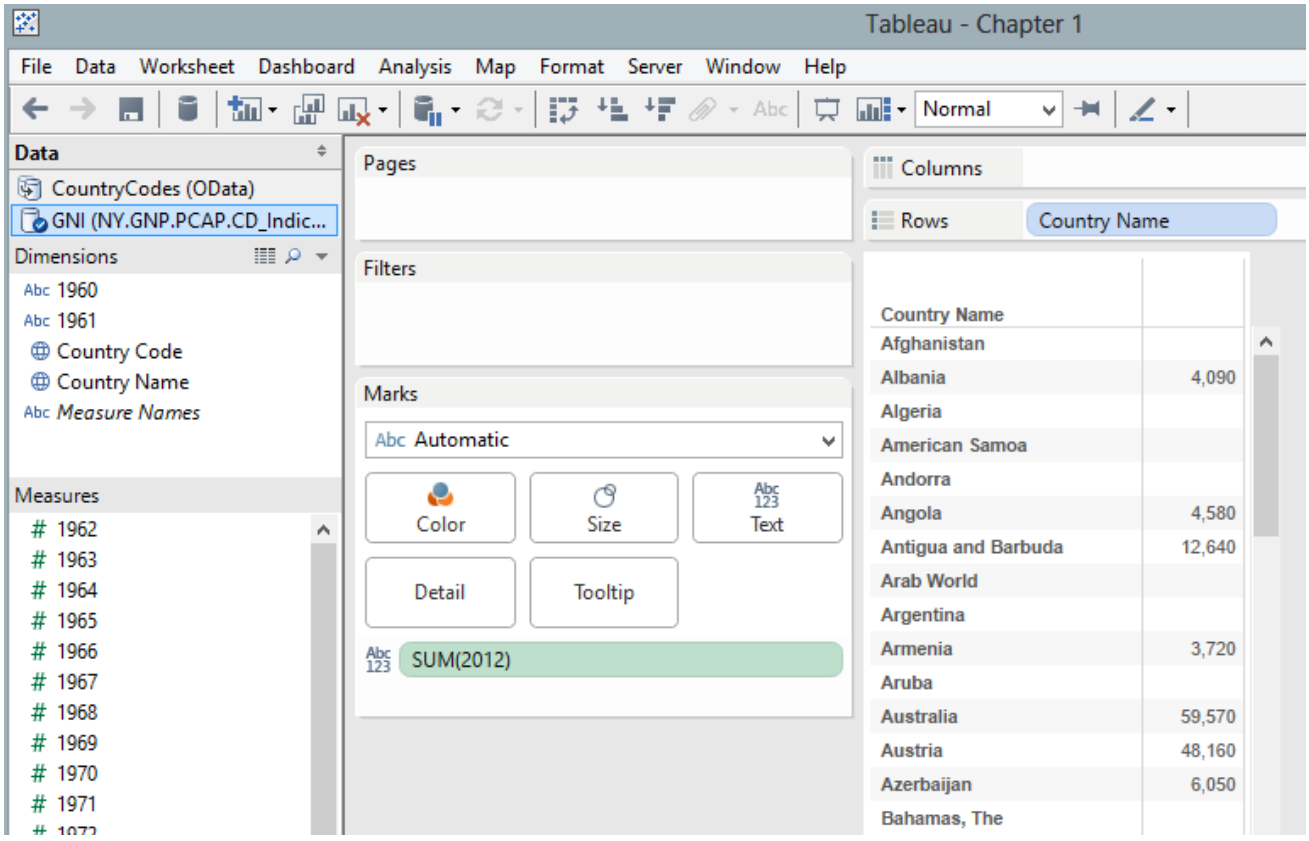
Tableau - Chapter 1
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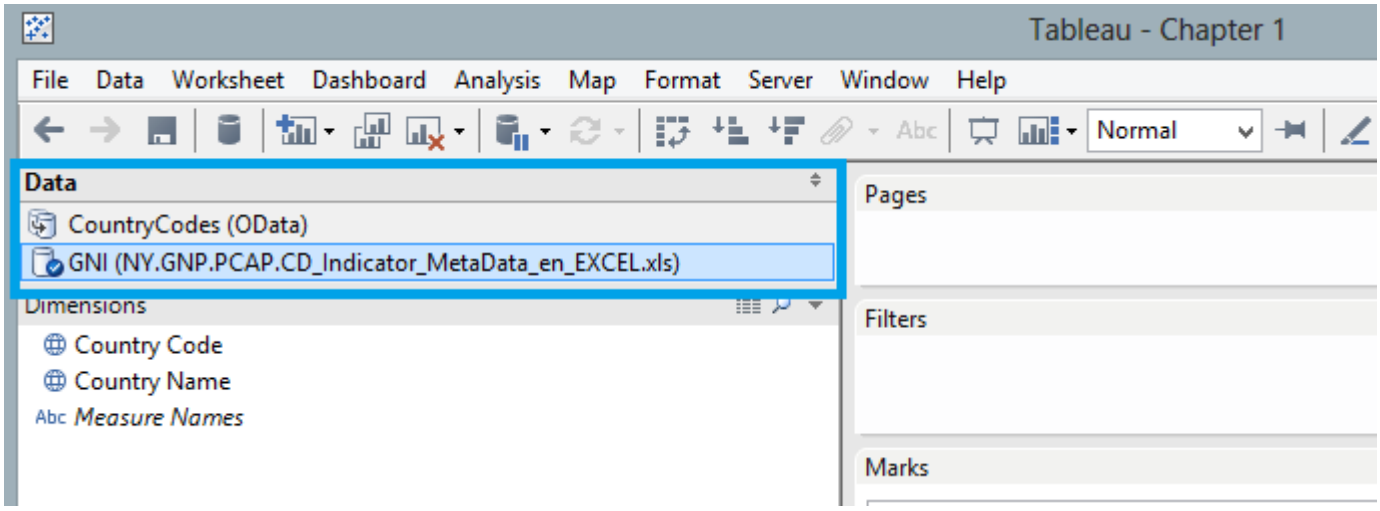
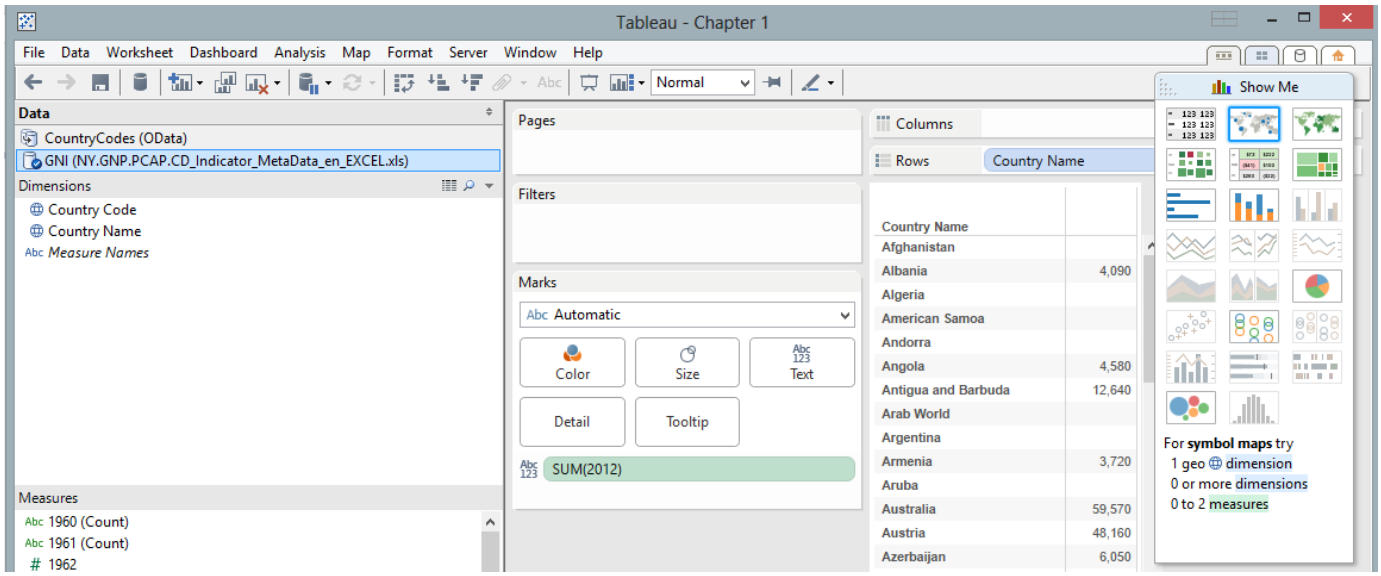
Aruba
Australia 59,570
Austria 48,160
Azerbaijan 6,050
Bahamas, The





English Español Français Русский عربي 中文

THE WORLD BANK
Working for a World Free of Poverty

GO

ABOUT DATA RESEARCH LEARNING NEWS PROJECTS & OPERATIONS PUBLICATIONS COUNTRIES TOPICS

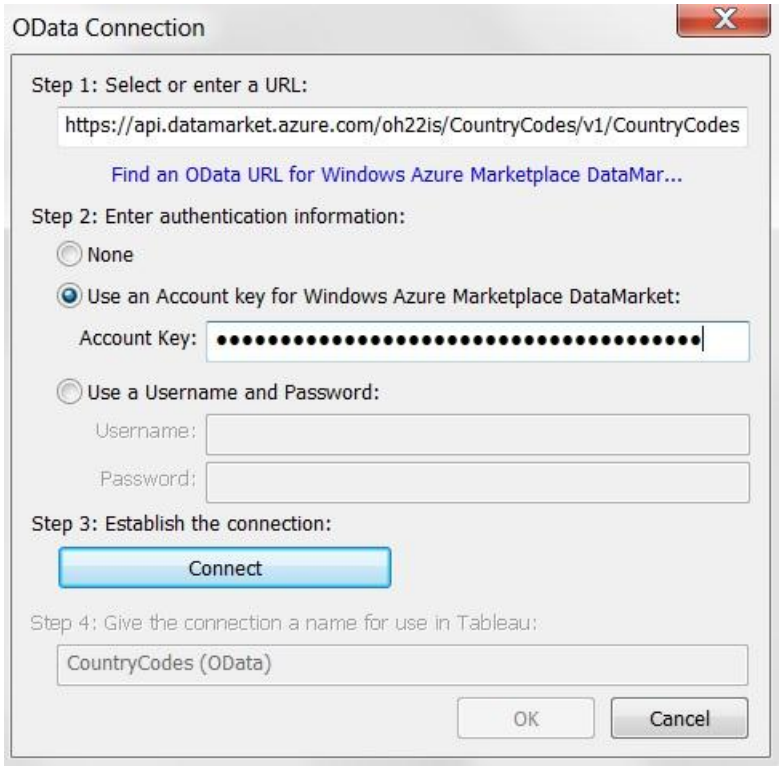
Data

By Country | By Topic | Indicators | Data Catalog | Microdata | Blog | News | About | Support | Products

This page in English | Español | Français | العربية | 中文

GNI per capita, Atlas method (current US$)

DATABANK DOWNLOAD DATA SHARE


OData Connection
Step 1: Select or enter a URL:
https://api.datamarket.azure.com/oh22is/CountryCodes/v1/CountryCodes
Find an OData URL for Windows Azure Marketplace DataMar...
Step 2: Enter authentication information:
None
Use an Account key for Windows Azure Marketplace DataMarket:
Account Key:
Use a Username and Password:
Username:
Password:
Step 3: Establish the connection:
Connect
Step 4: Give the connection a name for use in Tableau:
CountryCodes (OData)
OK
Cancel

Connect to Data

In a file

- Tableau Data Extract
- Microsoft Access
- Microsoft Excel
- Text File
- Import from Workbook

On a server

- Tableau Server
- Actian Vectorwise
- Amazon Redshift
- Aster Database
- Cloudera Hadoop
- DataStax Enterprise
- EMC Greenplum
- Firebird
- Google Analytics
- Google BigQuery
- Hortonworks Hadoop Hive
- HP Vertica
- IBM DB2
- IBM Netezza
- MapR Hadoop Hive
- Microsoft Analysis Services
- Microsoft PowerPivot
- Microsoft SQL Server
- MySQL
- OData

Saved data sources

- Sample - Coffee Chain (Access)
- Sample - Superstore - English (Ext...
- Sample - Superstore Subset (Excel)
- Sample - World Bank Indicators (E...

Country Codes

Country Codes contains codes to nearly all countries of the world like ISO2, ISO3 or FIPS. In Addition to the English name the dataset contains country names in 9 different languages like German, Spain, Chinese or Russian.

Primary Account Key Show

URL for current expressed query:

```
https://api.datamarket.azure.com/oh22is/CountryCodes/v1/CountryCodes
```

Displaying 100 of 252 rows Page 1 ►

CountryID	CountryName	ISO2	ISO3	ISONumeric	FIPS	Continent	TLD	CurrencyCode	CountryCallingCode
1	Afghanistan	AF	AF	4	AF	AS	.af	AFN	93
2	Albania	AL	AL	8	AL	EU	.al	ALL	355
3	Algeria	DZ	DZ	12	AG	AF	.dz	DZD	213
4	American Samoa	AS	AS	16	AQ	OC	.as	USD	-683

Country Codes

Data

Published by: oh22information services GmbH

Categories: Reference

Date added: 21/02/2013

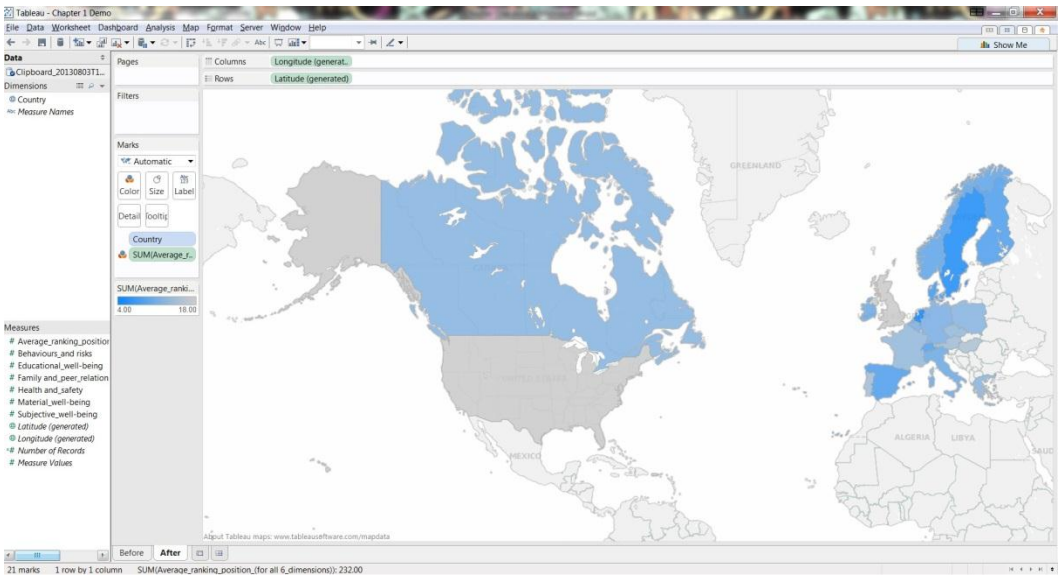
Get support for this offering

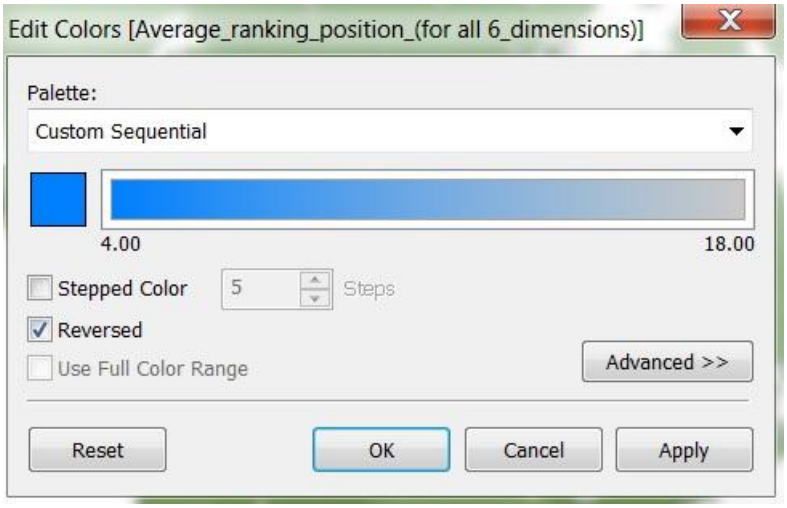
Country Codes contains codes to nearly all countries of the world like ISO2, ISO3 or FIPS. In Addition to the English name the dataset contains country names in 9 different languages like German, Spain, Chinese or Russian.

Like 0

EXPLORE THIS DATASET

Launch the DataMarket service explorer which allows you to browse the dataset interactively.




Edit Colors [Average_ranking_position_(for all 6_dimensions)]
Palette:
Custom Sequential
4.00
18.00
Stepped Color
5
Steps
Reversed
Use Full Color Range
Advanced >>
Reset
OK
Cancel
Apply

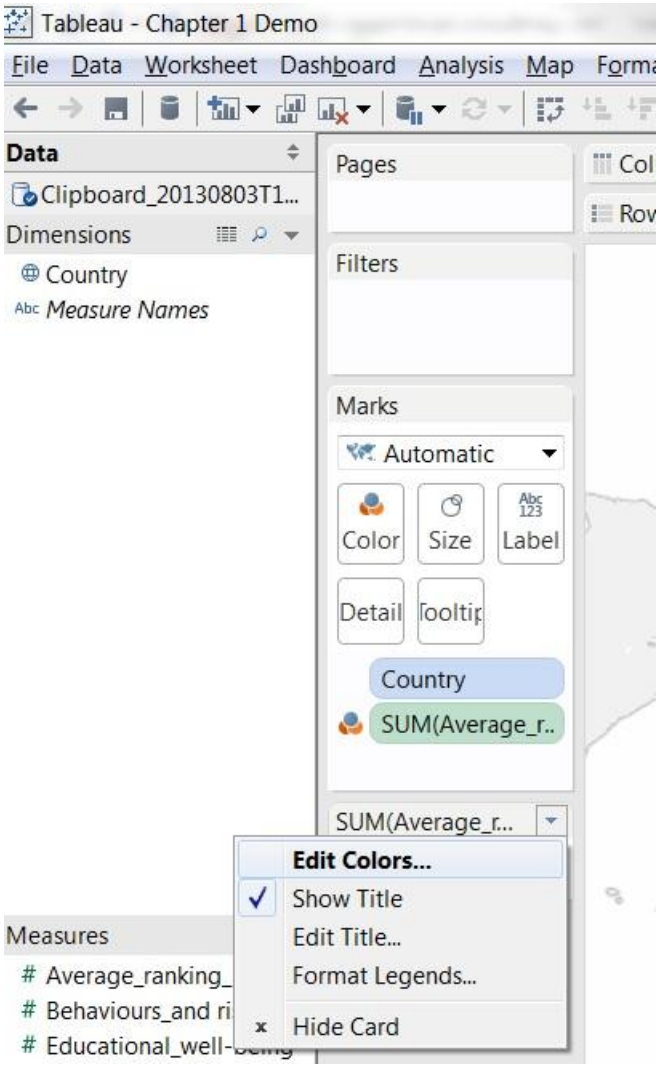


Tableau - Chapter 1 Demo
File Data Worksheet Dashboard Analysis Map Forma
Data
Clipboard_20130803T1...
Dimensions
Country
Measure Names
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Country
SUM(Average_r..
SUM(Average_r...
Edit Colors...
Show Title
Edit Title...
Format Legends...
Hide Card
Measures
Average_ranking_
Behaviours_and ri
Educational_well-

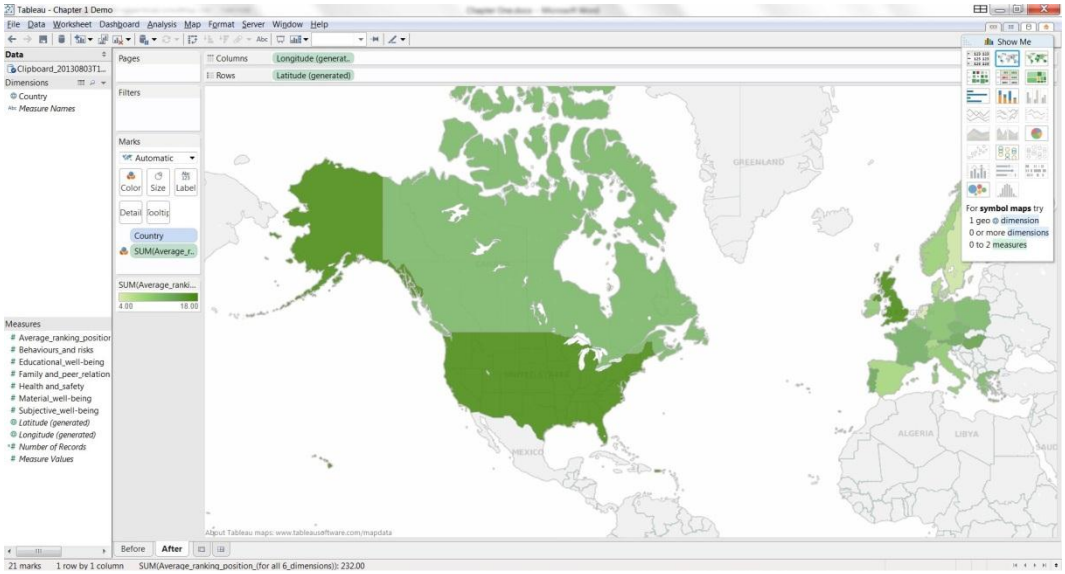
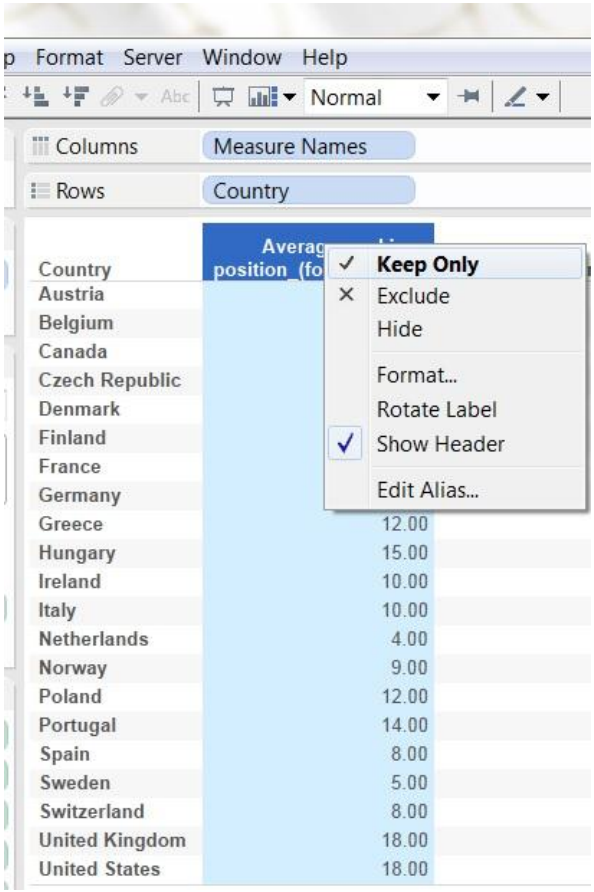
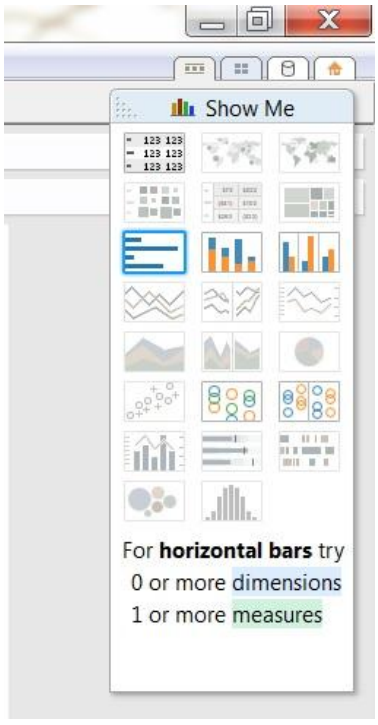
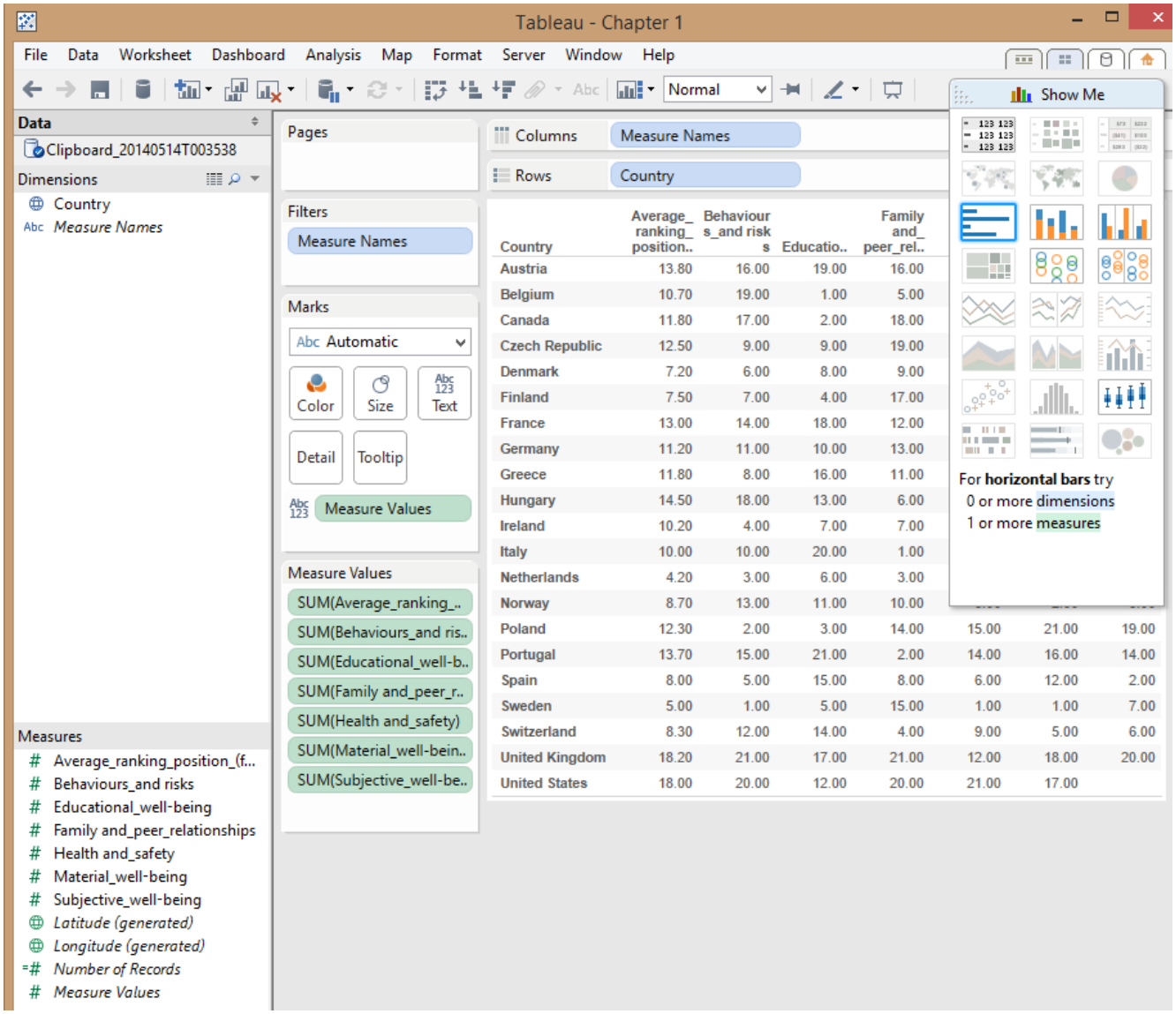


Tableau - Chapter 1 Demo
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Data
Clipboard_20130803T1...
Dimensions
Country
Measure Names
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Country
SUM(Average_r..
SUM(Average_ranki...
4.00
18.00
Measures
Average_ranking_position
Behaviours_and risks
Educational_well-being
Family and_peer_relation
Health and_safety
Material_well-being
Subjective_well-being
Latitude (generated)
Longitude (generated)
Number of Records
Measure Values
Columns
Longitude (generat..
Rows
Latitude (generated)
Show Me
For symbol maps try
1 geo dimension
0 or more dimensions
0 to 2 measures
GREENLAND
ALGERIA
LIBYA
MEXICO
Before
After
21 marks
1 row by 1 column
SUM(Average_ranking_position_(for all 6_dimensions)): 232.00

Show Me
For filled maps try
1 geo dimension
0 or more dimensions
0 or 1 measure

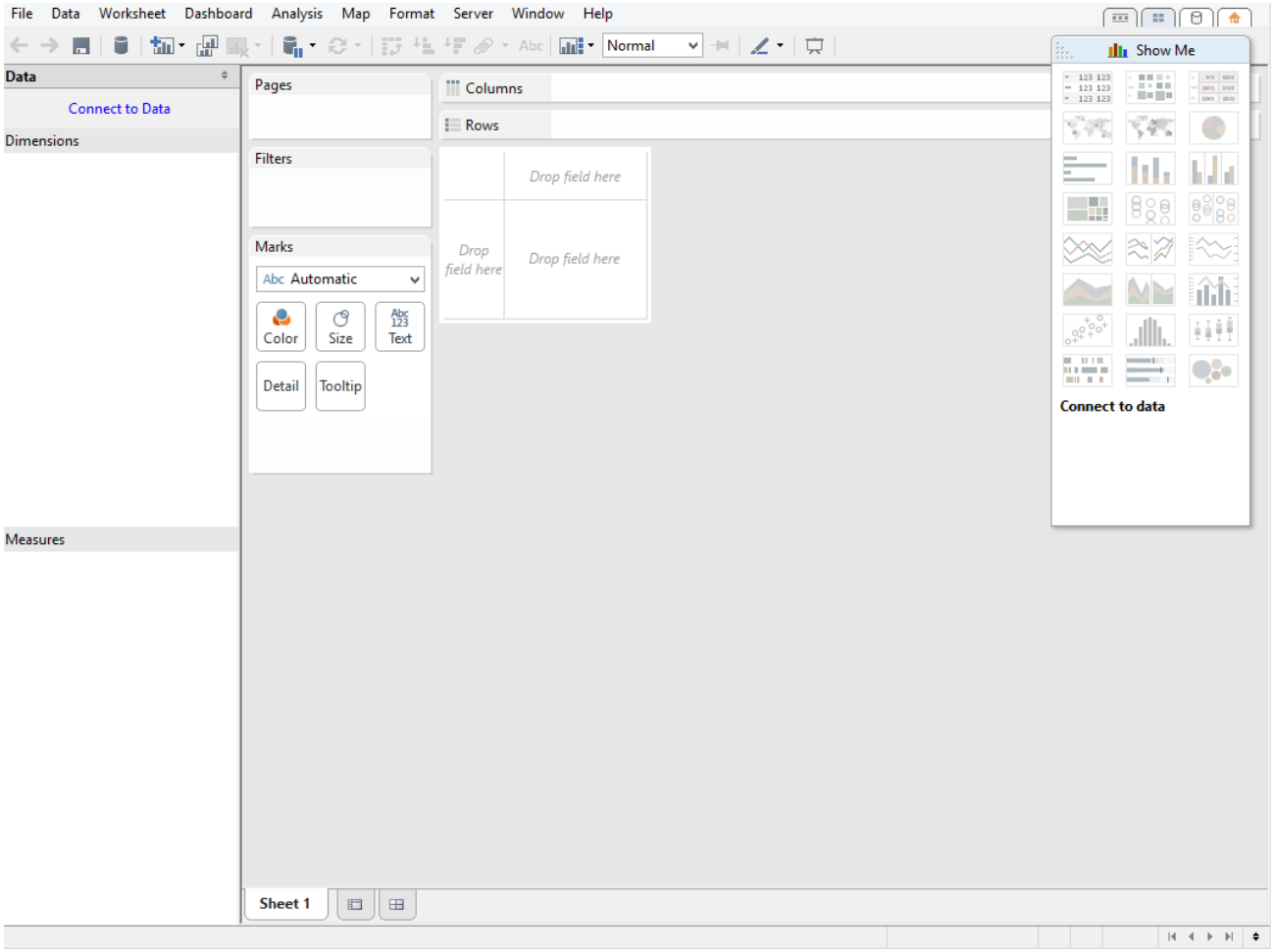

Format Server Window Help
Normal
Columns Measure Names
Rows Country
Country
Austria
Belgium
Canada
Czech Republic
Denmark
Finland
France
Germany
Greece 12.00
Hungary 15.00
Ireland 10.00
Italy 10.00
Netherlands 4.00
Norway 9.00
Poland 12.00
Portugal 14.00
Spain 8.00
Sweden 5.00
Switzerland 8.00
United Kingdom 18.00
United States 18.00
Keep Only
Exclude
Hide
Format...
Rotate Label
Show Header
Edit Alias...


Show Me
For horizontal bars try
0 or more dimensions
1 or more measures



Country	Average_ranking_position..	Behaviours_and risks	Educatio..	Family and_peer_rel..
Austria	13.80	16.00	19.00	16.00
Belgium	10.70	19.00	1.00	5.00
Canada	11.80	17.00	2.00	18.00
Czech Republic	12.50	9.00	9.00	19.00
Denmark	7.20	6.00	8.00	9.00
Finland	7.50	7.00	4.00	17.00
France	13.00	14.00	18.00	12.00
Germany	11.20	11.00	10.00	13.00
Greece	11.80	8.00	16.00	11.00
Hungary	14.50	18.00	13.00	6.00
Ireland	10.20	4.00	7.00	7.00
Italy	10.00	10.00	20.00	1.00
Netherlands	4.20	3.00	6.00	3.00
Norway	8.70	13.00	11.00	10.00
Poland	12.30	2.00	3.00	14.00
Portugal	13.70	15.00	21.00	2.00
Spain	8.00	5.00	15.00	8.00
Sweden	5.00	1.00	5.00	15.00
Switzerland	8.30	12.00	14.00	4.00
United Kingdom	18.20	21.00	17.00	21.00
United States	18.00	20.00	12.00	20.00

				15.00	21.00	19.00
				14.00	16.00	14.00
				6.00	12.00	2.00
				1.00	1.00	7.00
				9.00	5.00	6.00
				12.00	18.00	20.00
				21.00	17.00	


File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Data
Connect to Data
Dimensions
Measures
Pages
Filters
Marks
Abc Automatic
Color
Size
Abc 123 Text
Detail
Tooltip
Columns
Rows
Drop field here
Drop field here
Drop field here
Show Me
Connect to data
Sheet 1

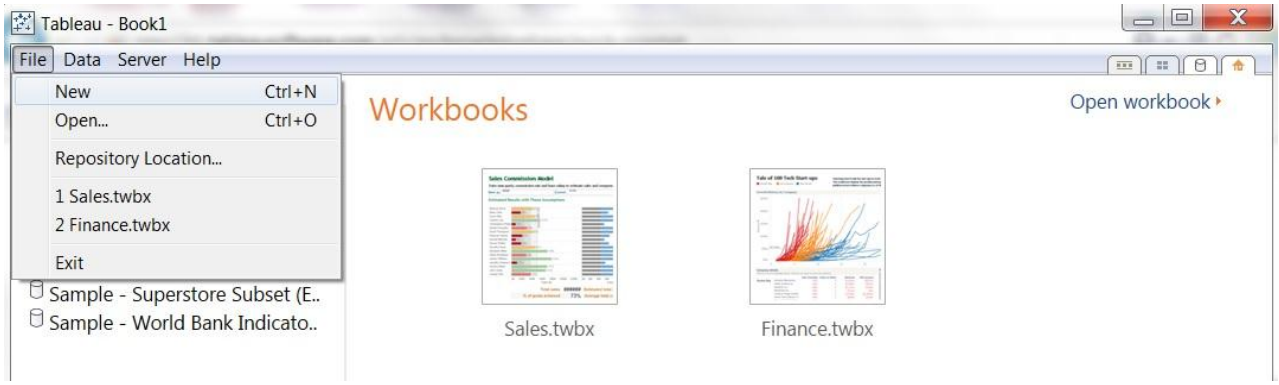


Tableau - Book1
File Data Server Help
New Ctrl+N
Open... Ctrl+O
Repository Location...
1 Sales.twbx
2 Finance.twbx
Exit
Sample - Superstore Subset (E..
Sample - World Bank Indicato..
Workbooks
Open workbook
Sales.twbx
Finance.twbx

Sales Commission Model

Enter new quota, commission rate and base salary to estimate sales and compensation

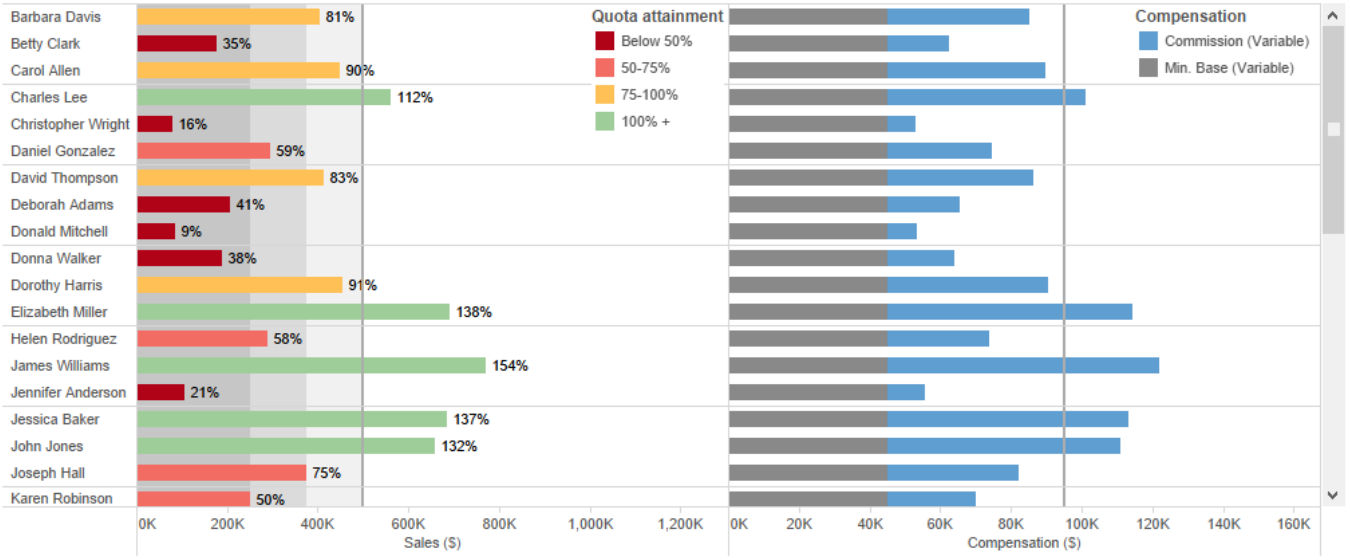
New quota $500K

Commission rate 10.0%

Base salary (rounds to closest $5,000) 45,000

Sort by
- % quota ascending
- % quota descending
- Names (selected)

Estimated Results with These Assumptions



Sales	$15.60M	OTE (Variable)	$4.09M
% of quota achieved	73%	Avg. OTE (Variable)	$95K

Sales Commission Model

Enter new quota, commission rate and base salary to estimate sales and compensation

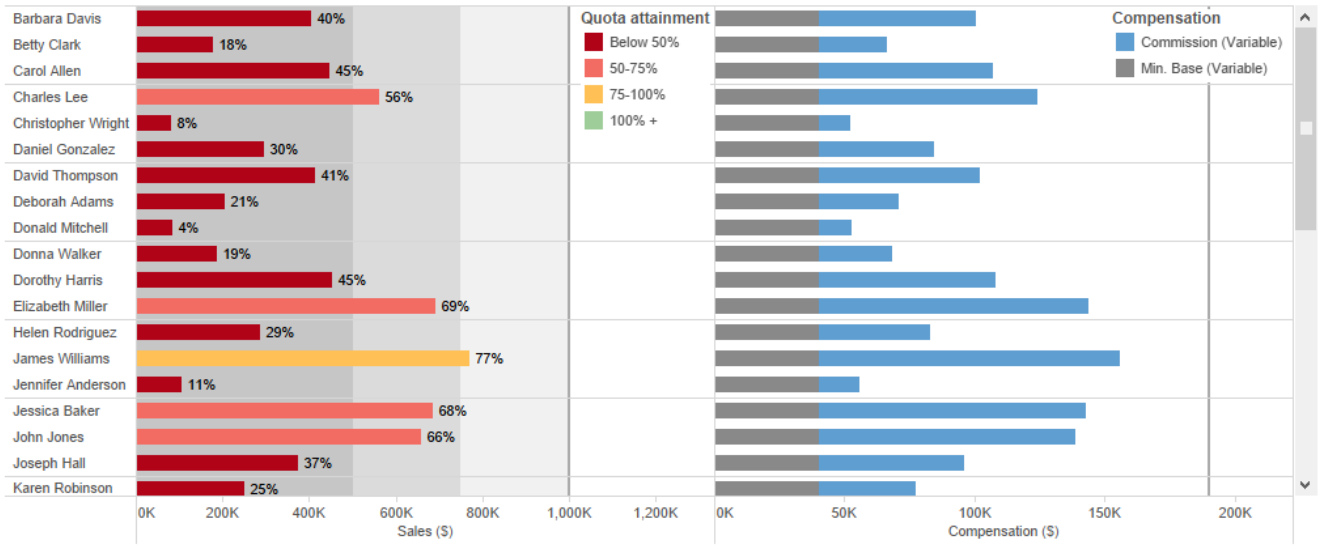
New quota $1,000K

Commission rate 15.0%

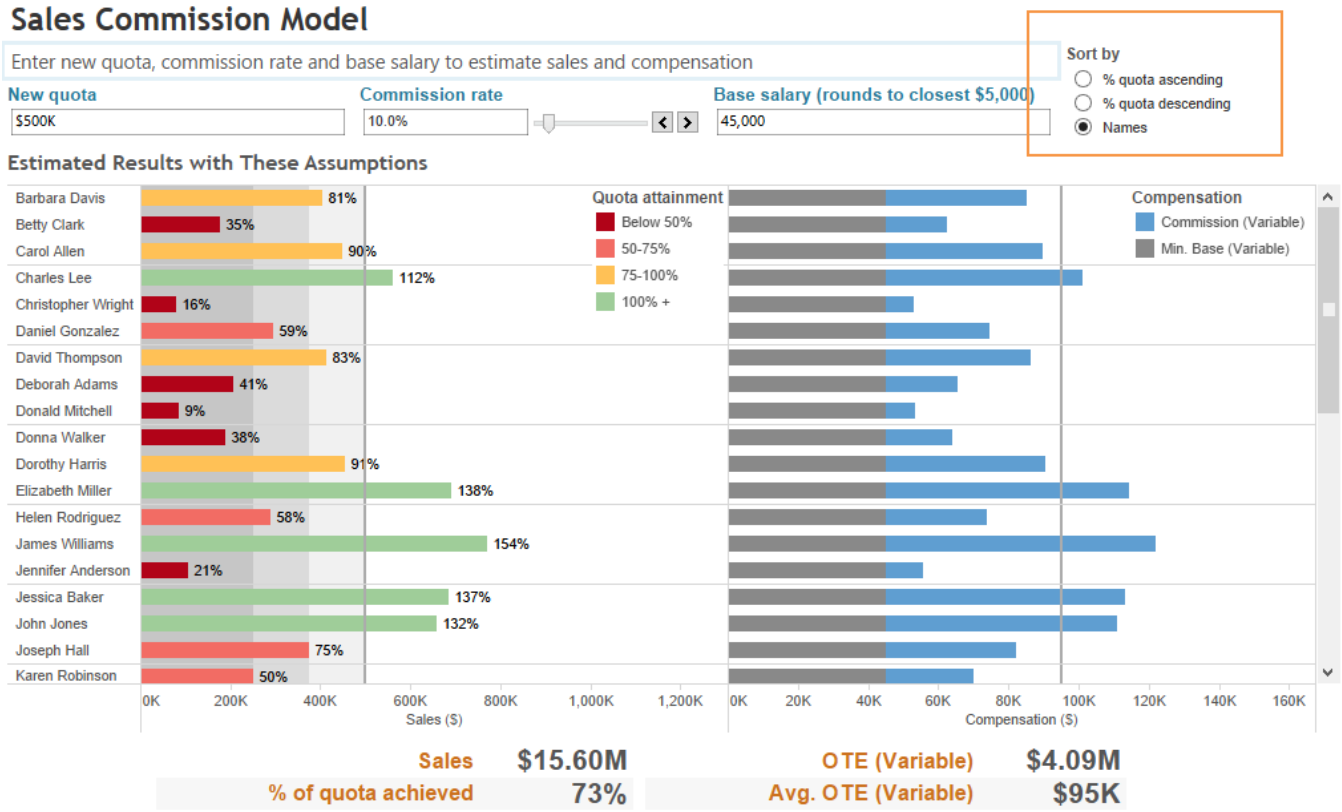
Base salary (rounds to closest $5,000) 40,000

Sort by
- % quota ascending
- % quota descending
- Names (selected)

Estimated Results with These Assumptions



Sales	$15.60M	OTE (Variable)	$8.17M
% of quota achieved	36%	Avg. OTE (Variable)	$190K


Sales Commission Model
Enter new quota, commission rate and base salary to estimate sales and compensation
New quota
$500K
Commission rate
10.0%
Base salary (rounds to closest $5,000)
45,000
Sort by
% quota ascending
% quota descending
Names
Estimated Results with These Assumptions
Barbara Davis 81%
Betty Clark 35%
Carol Allen 90%
Charles Lee 112%
Christopher Wright 16%
Daniel Gonzalez 59%
David Thompson 83%
Deborah Adams 41%
Donald Mitchell 9%
Donna Walker 38%
Dorothy Harris 91%
Elizabeth Miller 138%
Helen Rodriguez 58%
James Williams 154%
Jennifer Anderson 21%
Jessica Baker 137%
John Jones 132%
Joseph Hall 75%
Karen Robinson 50%
Quota attainment
Below 50%
50-75%
75-100%
100% +
Compensation
Commission (Variable)
Min. Base (Variable)
0K 200K 400K 600K 800K 1,000K 1,200K
Sales ($)
0K 20K 40K 60K 80K 100K 120K 140K 160K
Compensation ($)
Sales $15.60M
% of quota achieved 73%
OTE (Variable) $4.09M
Avg. OTE (Variable) $95K

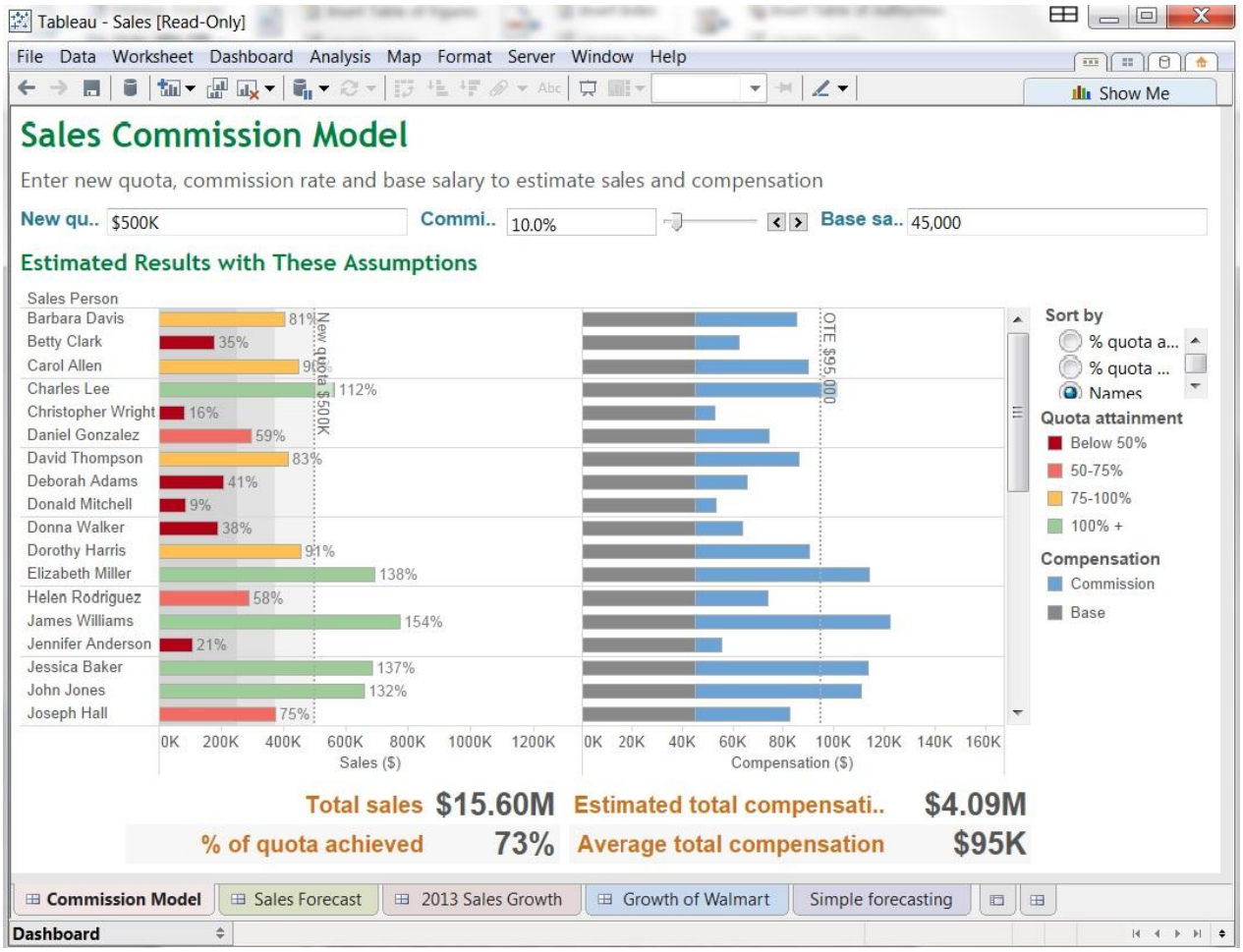


Tableau - Sales [Read-Only]
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Show Me
Sales Commission Model
Enter new quota, commission rate and base salary to estimate sales and compensation
New qu.. $500K
Commi.. 10.0%
Base sa.. 45,000
Estimated Results with These Assumptions
Sales Person
Barbara Davis 81%
Betty Clark 35%
Carol Allen 90%
Charles Lee 112%
Christopher Wright 16%
Daniel Gonzalez 59%
David Thompson 83%
Deborah Adams 41%
Donald Mitchell 9%
Donna Walker 38%
Dorothy Harris 91%
Elizabeth Miller 138%
Helen Rodriguez 58%
James Williams 154%
Jennifer Anderson 21%
Jessica Baker 137%
John Jones 132%
Joseph Hall 75%
New quota $500K
OTE $95,000
Sort by
% quota a...
% quota ...
Names
Quota attainment
Below 50%
50-75%
75-100%
100% +
Compensation
Commission
Base
0K 200K 400K 600K 800K 1000K 1200K
Sales ($)
0K 20K 40K 60K 80K 100K 120K 140K 160K
Compensation ($)
Total sales $15.60M
% of quota achieved 73%
Estimated total compensati.. $4.09M
Average total compensation $95K
Commission Model
Sales Forecast
2013 Sales Growth
Growth of Walmart
Simple forecasting
Dashboard

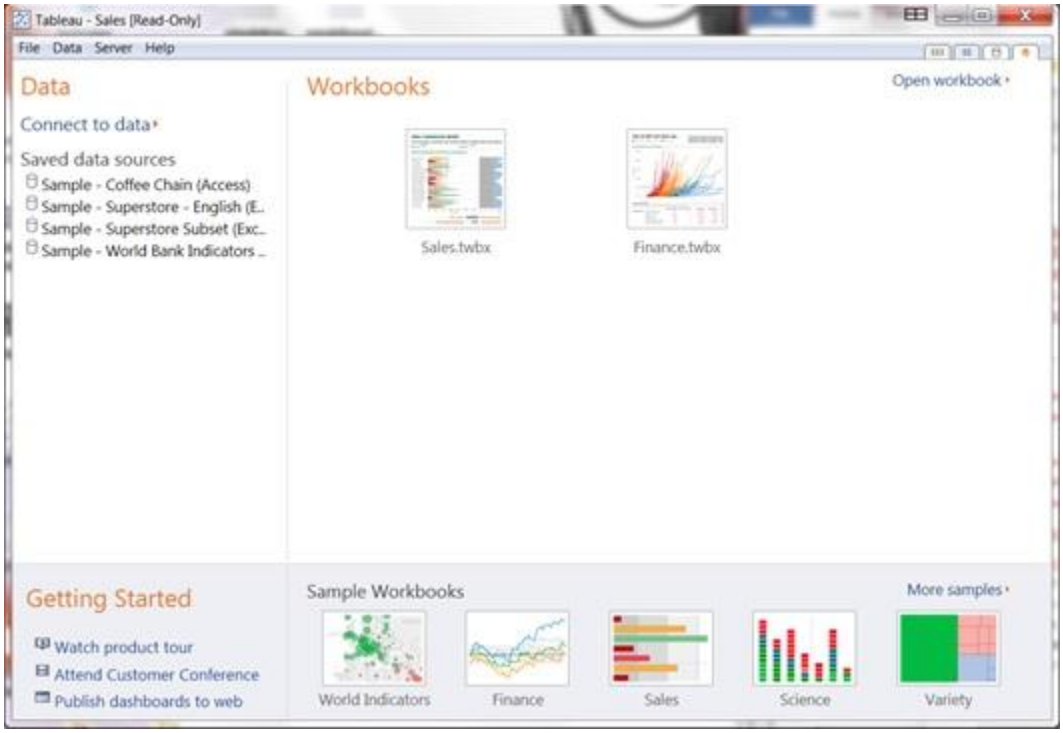
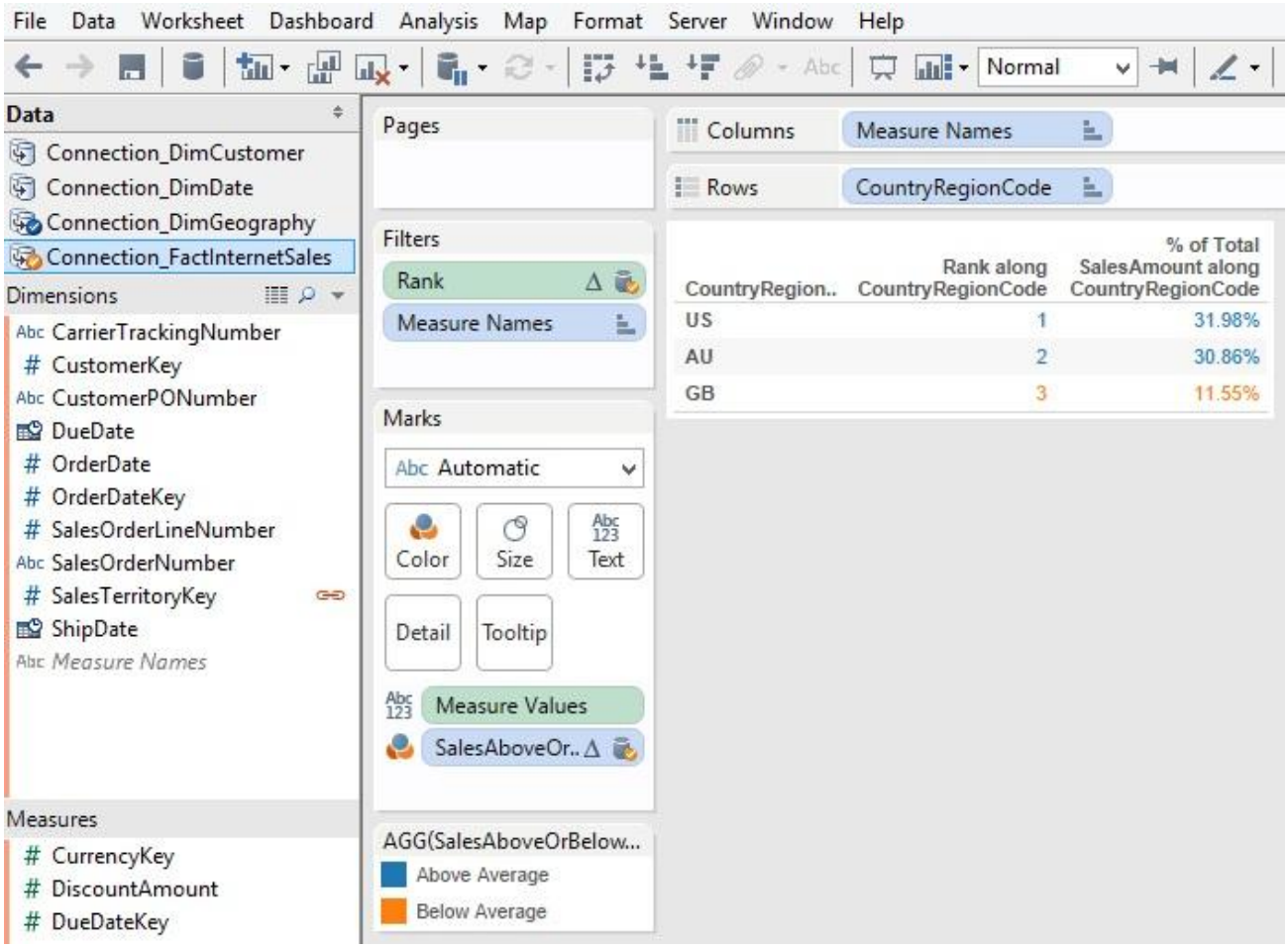
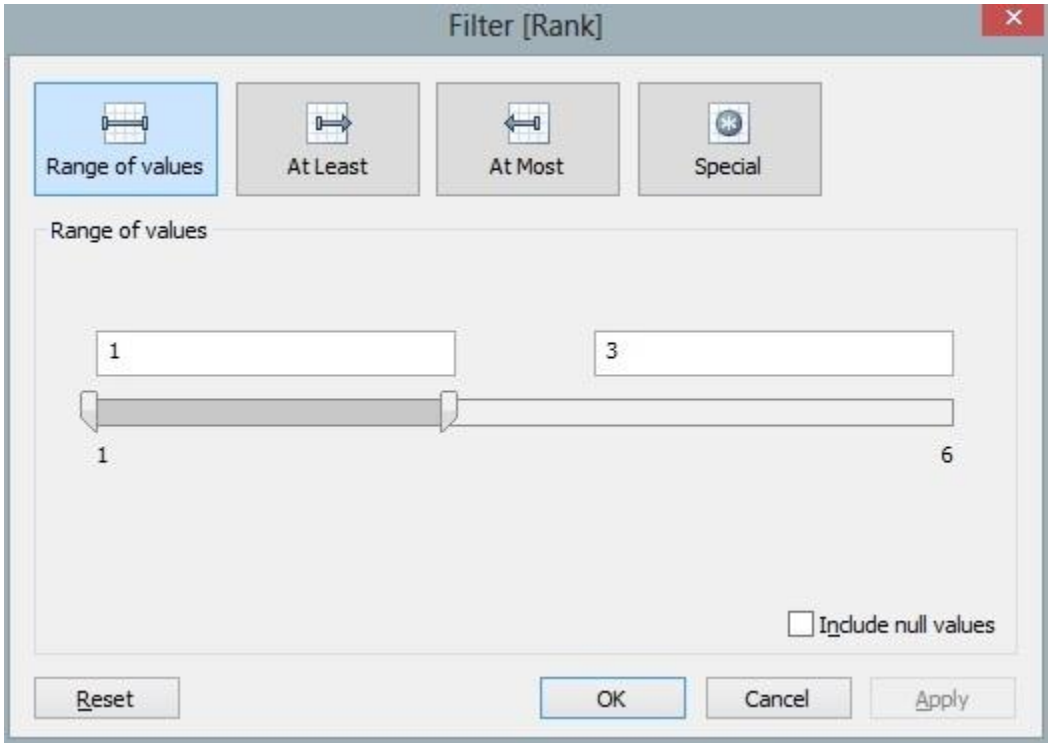


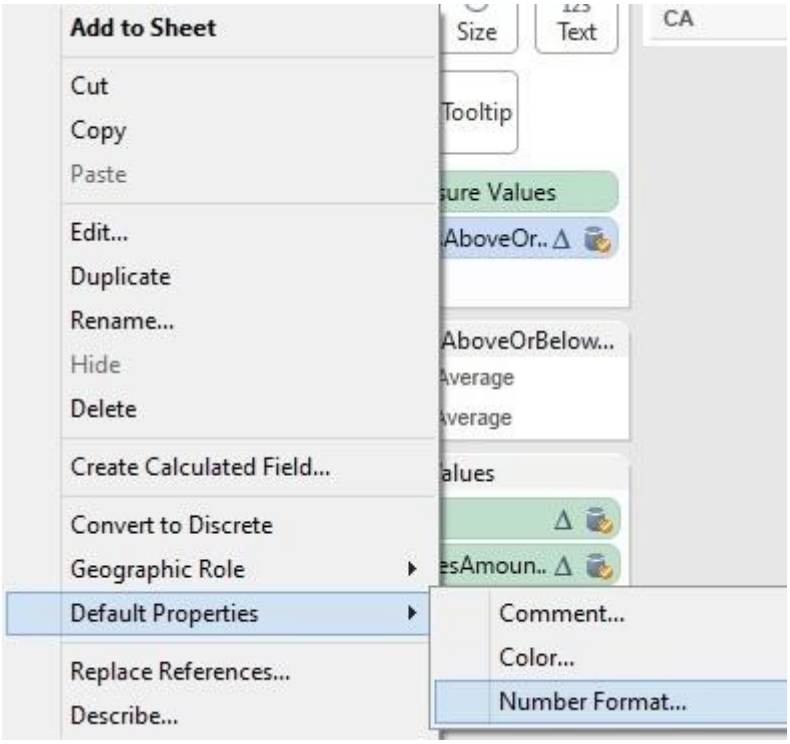
Tableau - Sales [Read-Only]
File Data Server Help
Data
Connect to data
Saved data sources
Sample - Coffee Chain (Access)
Sample - Superstore - English (E..
Sample - Superstore Subset (Exc..
Sample - World Bank Indicators ..
Workbooks
Open workbook
Sales.twbx
Finance.twbx
Getting Started
Watch product tour
Attend Customer Conference
Publish dashboards to web
Sample Workbooks
More samples
World Indicators
Finance
Sales
Science
Variety

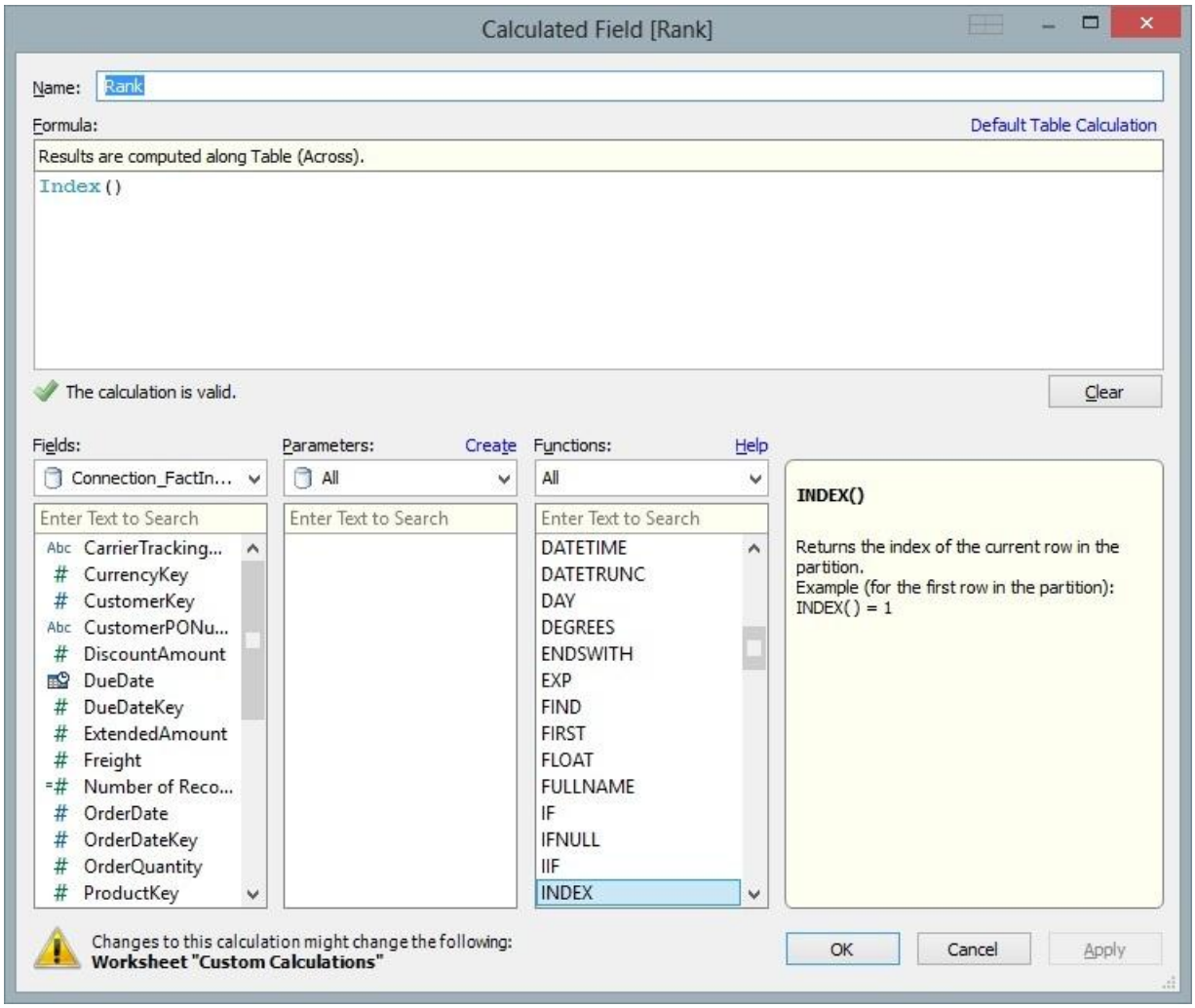
Chapter 2

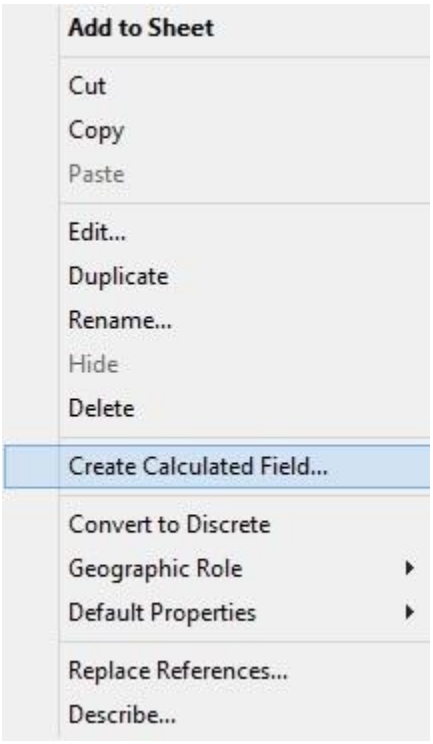

File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Data
Connection_DimCustomer
Connection_DimDate
Connection_DimGeography
Connection_FactInternetSales
Dimensions
Abc CarrierTrackingNumber
CustomerKey
Abc CustomerPONumber
DueDate
OrderDate
OrderDateKey
SalesOrderLineNumber
Abc SalesOrderNumber
SalesTerritoryKey
ShipDate
Abc Measure Names
Measures
CurrencyKey
DiscountAmount
DueDateKey
Pages
Filters
Rank
Measure Names
Marks
Abc Automatic
Color
Size
Abc 123 Text
Detail
Tooltip
Abc 123 Measure Values
SalesAboveOr..
AGG(SalesAboveOrBelow...
Above Average
Below Average
Columns
Measure Names
Rows
CountryRegionCode
CountryRegion..
Rank along CountryRegionCode
% of Total SalesAmount along CountryRegionCode
US 1 31.98%
AU 2 30.86%
GB 3 11.55%



CountryRegi..	Rank along CountryRegionCode	% of Total SalesAmount along CountryRegionCode
US	1	31.98%
AU	2	30.86%
GB	3	11.55%
DE	4	9.86%
FR	5	9.01%
CA	6	6.74%


Add to Sheet
Cut
Copy
Paste
Edit...
Duplicate
Rename...
Hide
Delete
Create Calculated Field...
Convert to Discrete
Geographic Role
Default Properties
Replace References...
Describe...
Comment...
Color...
Number Format...
Size
Text
Tooltip
CA


Calculated Field [Rank]
Name: Rank
Formula:
Default Table Calculation
Results are computed along Table (Across).
Index()
The calculation is valid.
Clear
Fields:
Parameters:
Create
Functions:
Help
Connection_FactIn...
All
All
Enter Text to Search
CarrierTracking...
CurrencyKey
CustomerKey
CustomerPONu...
DiscountAmount
DueDate
DueDateKey
ExtendedAmount
Freight
Number of Reco...
OrderDate
OrderDateKey
OrderQuantity
ProductKey
DATETIME
DATETRUNC
DAY
DEGREES
ENDSWITH
EXP
FIND
FIRST
FLOAT
FULLNAME
IF
IFNULL
IIF
INDEX
INDEX()
Returns the index of the current row in the partition.
Example (for the first row in the partition):
INDEX( ) = 1
Changes to this calculation might change the following:
Worksheet "Custom Calculations"
OK
Cancel
Apply



CountryRegi..		
US		31.98%
AU		30.86%
GB		11.55%
DE		9.86%
FR		9.01%
CA		6.74%

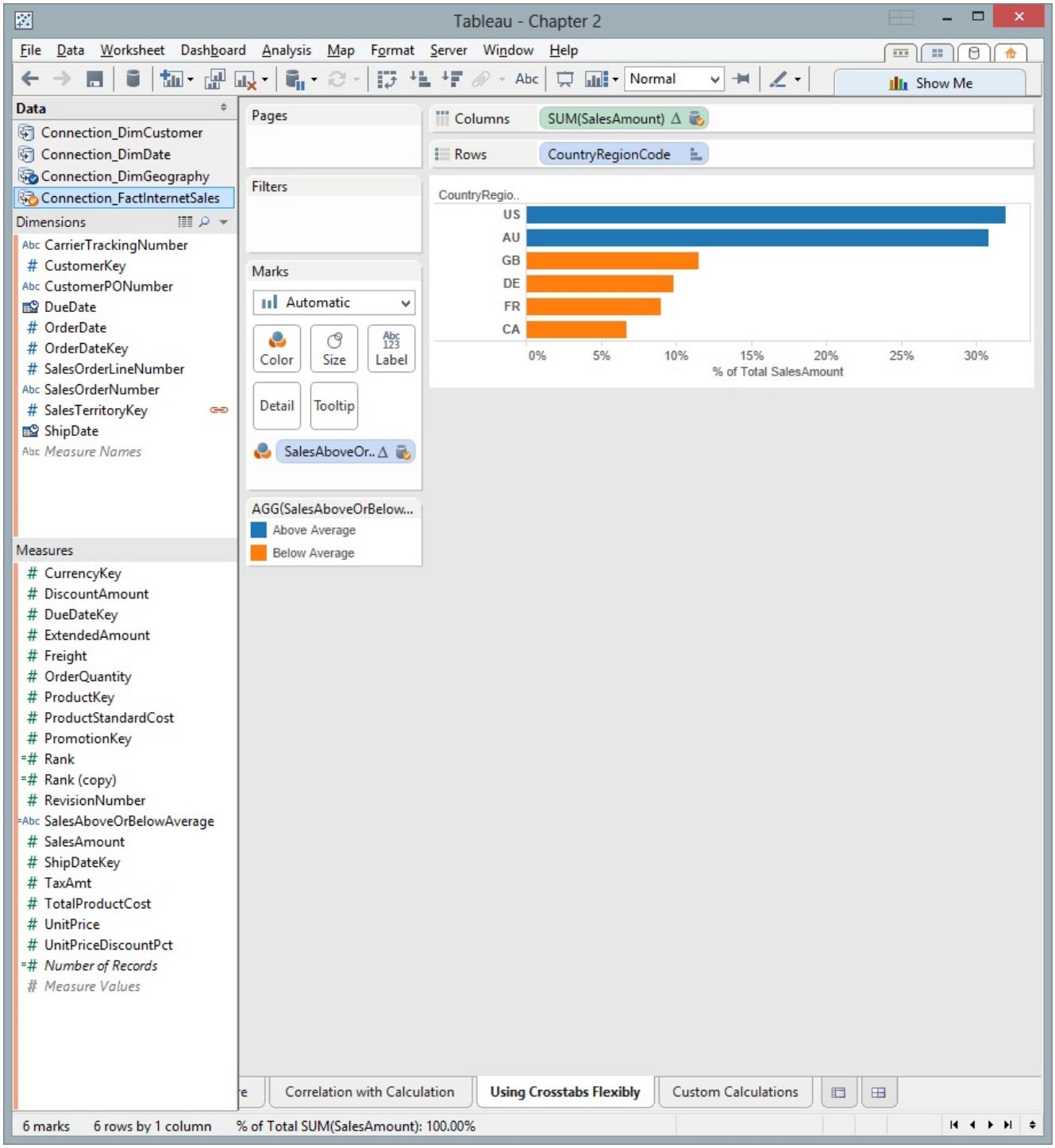
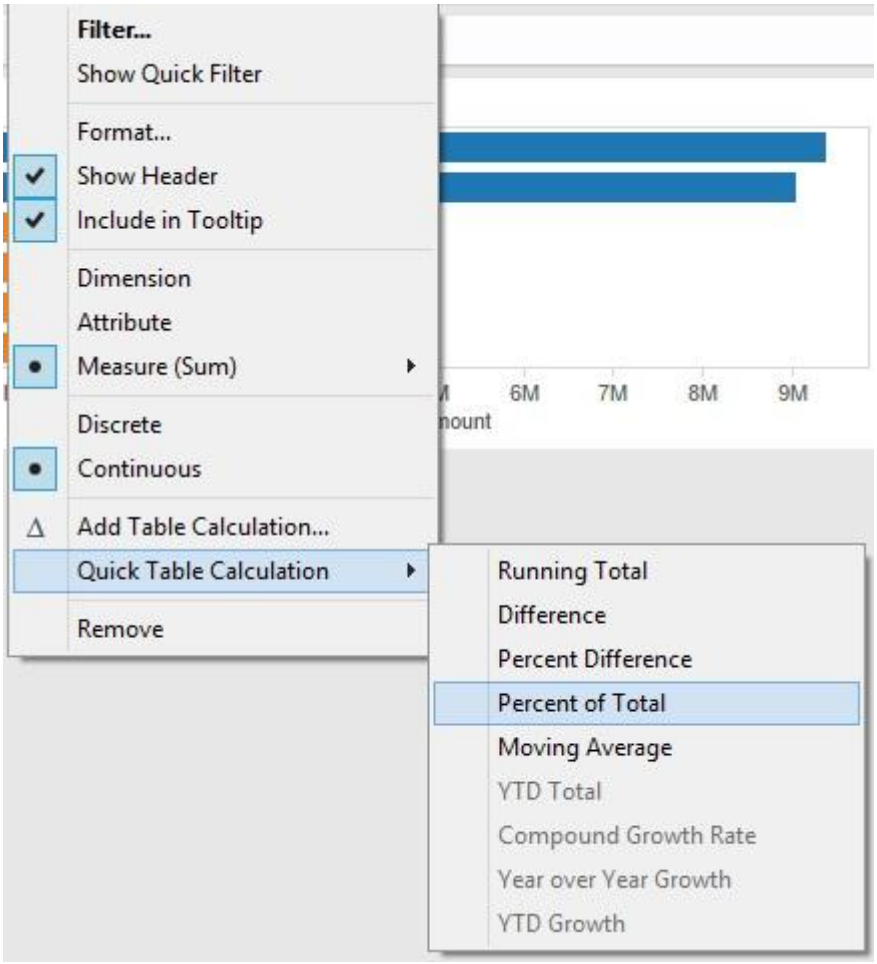
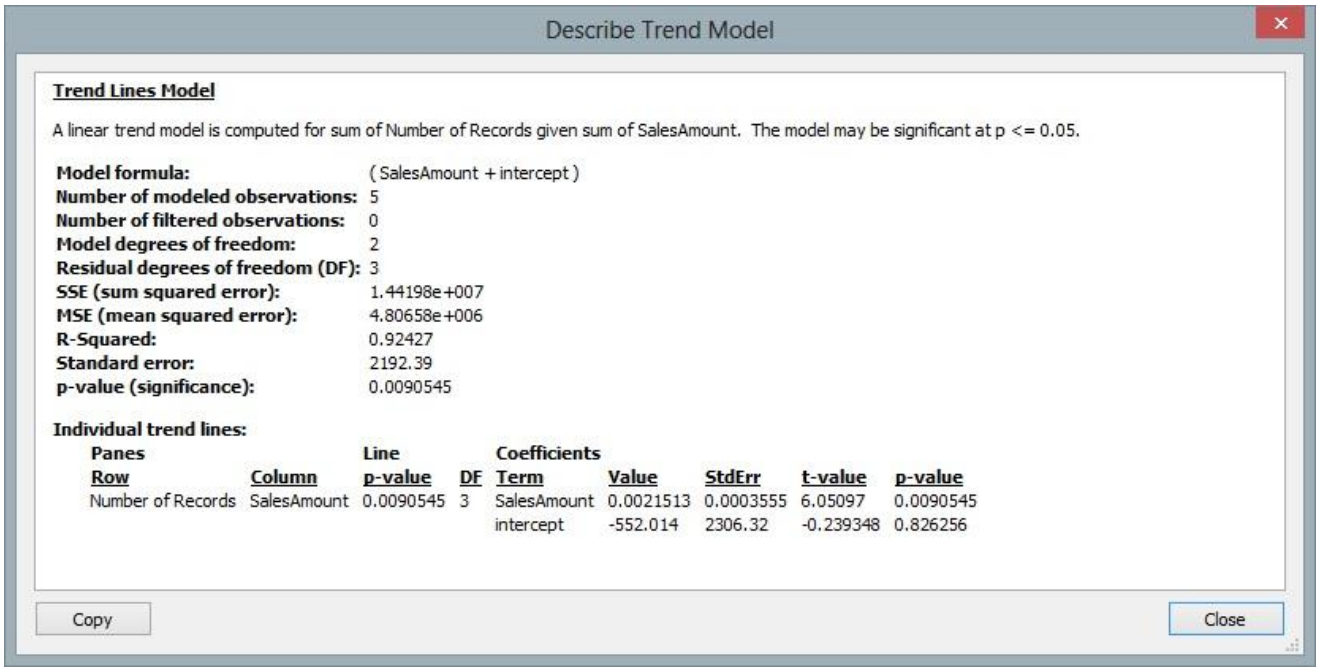


Tableau - Chapter 2
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Show Me
Data
Connection_DimCustomer
Connection_DimDate
Connection_DimGeography
Connection_FactInternetSales
Dimensions
CarrierTrackingNumber
CustomerKey
CustomerPONumber
DueDate
OrderDate
OrderDateKey
SalesOrderLineNumber
SalesOrderNumber
SalesTerritoryKey
ShipDate
Measure Names
Measures
CurrencyKey
DiscountAmount
DueDateKey
ExtendedAmount
Freight
OrderQuantity
ProductKey
ProductStandardCost
PromotionKey
Rank
Rank (copy)
RevisionNumber
SalesAboveOrBelowAverage
SalesAmount
ShipDateKey
TaxAmt
TotalProductCost
UnitPrice
UnitPriceDiscountPct
Number of Records
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SalesAboveOr.. Δ
AGG(SalesAboveOrBelow...
Above Average
Below Average
Columns
SUM(SalesAmount) Δ
Rows
CountryRegionCode
CountryRegio..
US
AU
GB
DE
FR
CA
0%
5%
10%
15%
20%
25%
30%
% of Total SalesAmount
Correlation with Calculation
Using Crosstabs Flexibly
Custom Calculations
6 marks
6 rows by 1 column
% of Total SUM(SalesAmount): 100.00%

SUM(SalesAmount) Δ





Describe Trend Model

Trend Lines Model

A linear trend model is computed for sum of Number of Records given sum of SalesAmount. The model may be significant at p <= 0.05.

Model formula:	(SalesAmount + intercept)
Number of modeled observations:	5
Number of filtered observations:	0
Model degrees of freedom:	2
Residual degrees of freedom (DF):	3
SSE (sum squared error):	1.44198e+007
MSE (mean squared error):	4.80658e+006
R-Squared:	0.92427
Standard error:	2192.39
p-value (significance):	0.0090545

Individual trend lines:

Panes		Line		Coefficients				
Row	Column	p-value	DF	Term	Value	StdErr	t-value	p-value
Number of Records	SalesAmount	0.0090545	3	SalesAmount	0.0021513	0.0003555	6.05097	0.0090545
				intercept	-552.014	2306.32	-0.239348	0.826256

Copy

Close

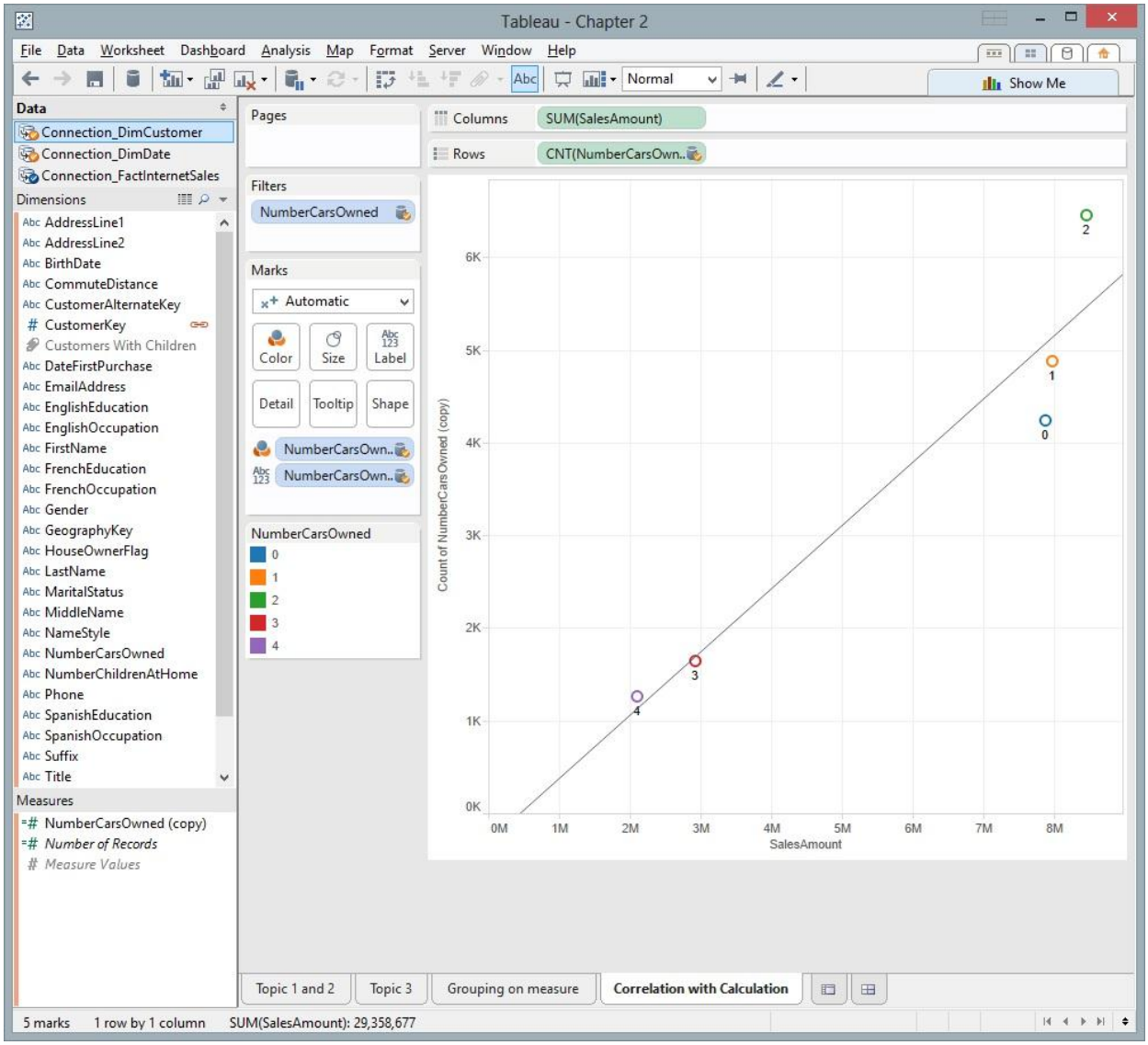
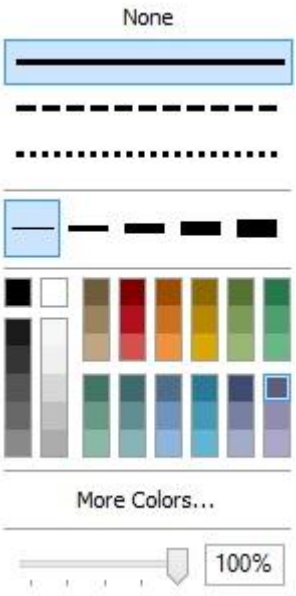
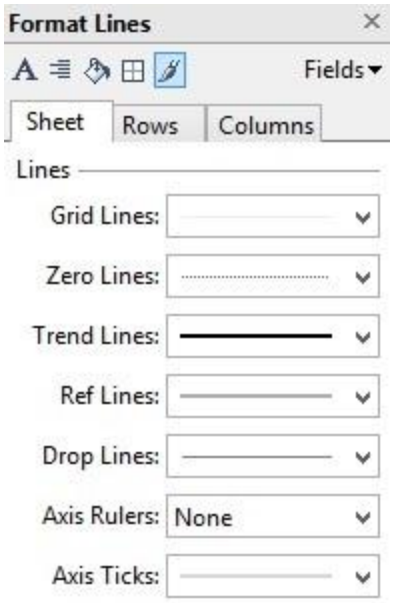
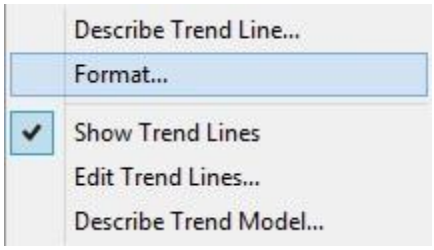


Tableau - Chapter 2
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Show Me
Data
Connection_DimCustomer
Connection_DimDate
Connection_FactInternetSales
Dimensions
AddressLine1
AddressLine2
BirthDate
CommuteDistance
CustomerAlternateKey
CustomerKey
Customers With Children
DateFirstPurchase
EmailAddress
EnglishEducation
EnglishOccupation
FirstName
FrenchEducation
FrenchOccupation
Gender
GeographyKey
HouseOwnerFlag
LastName
MaritalStatus
MiddleName
NameStyle
NumberCarsOwned
NumberChildrenAtHome
Phone
SpanishEducation
SpanishOccupation
Suffix
Title
Measures
NumberCarsOwned (copy)
Number of Records
Measure Values
Pages
Filters
NumberCarsOwned
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Shape
NumberCarsOwned
0
1
2
3
4
Columns
SUM(SalesAmount)
Rows
CNT(NumberCarsOwn..
Count of NumberCarsOwned (copy)
SalesAmount
0K
1K
2K
3K
4K
5K
6K
0M
1M
2M
3M
4M
5M
6M
7M
8M
Topic 1 and 2
Topic 3
Grouping on measure
Correlation with Calculation
5 marks
1 row by 1 column
SUM(SalesAmount): 29,358,677


None
More Colors...
100%


Format Lines
Fields
Sheet
Rows
Columns
Lines
Grid Lines:
Zero Lines:
Trend Lines:
Ref Lines:
Drop Lines:
Axis Rulers:
None
Axis Ticks:


Describe Trend Line...
Format...
Show Trend Lines
Edit Trend Lines...
Describe Trend Model...

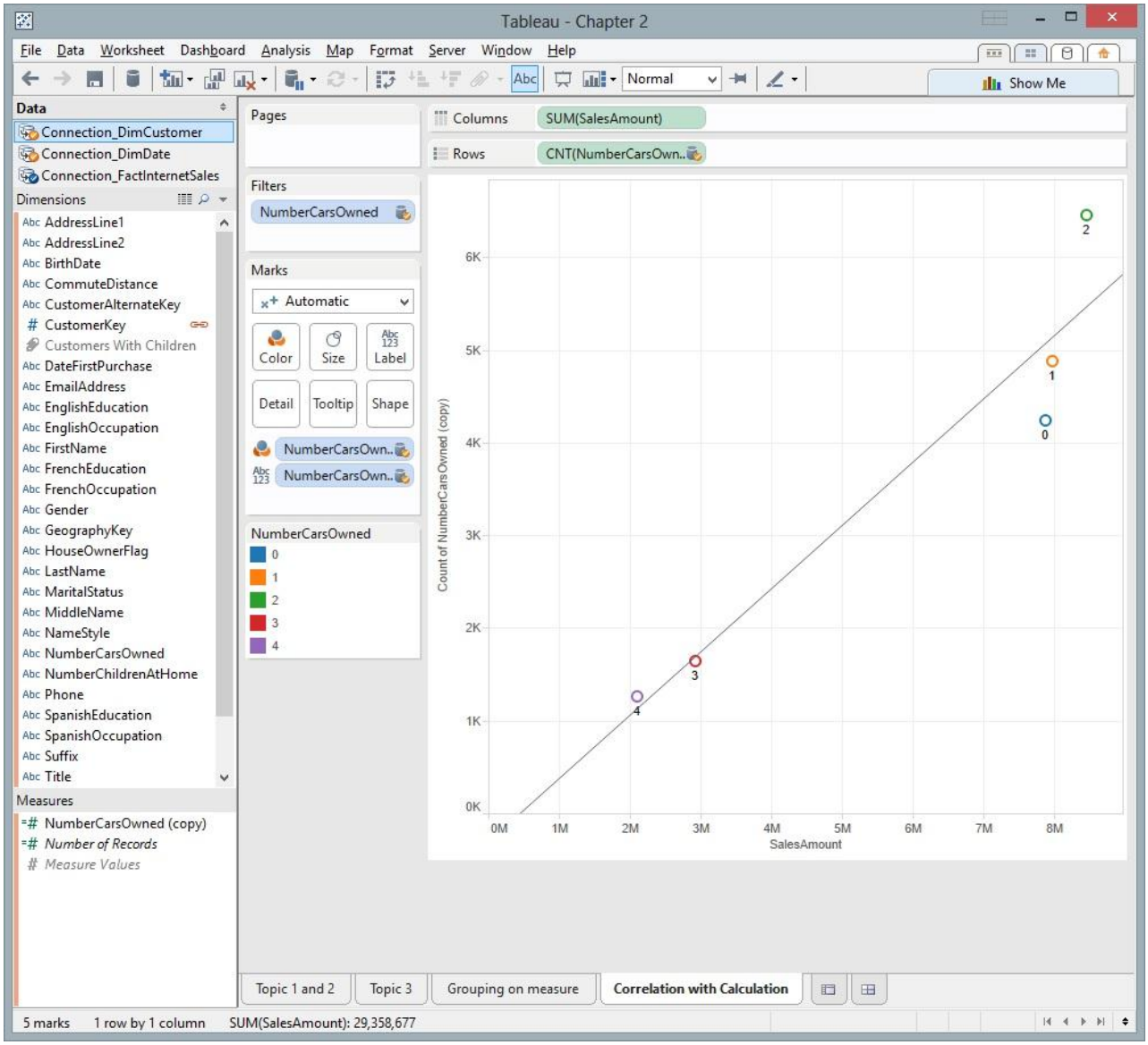
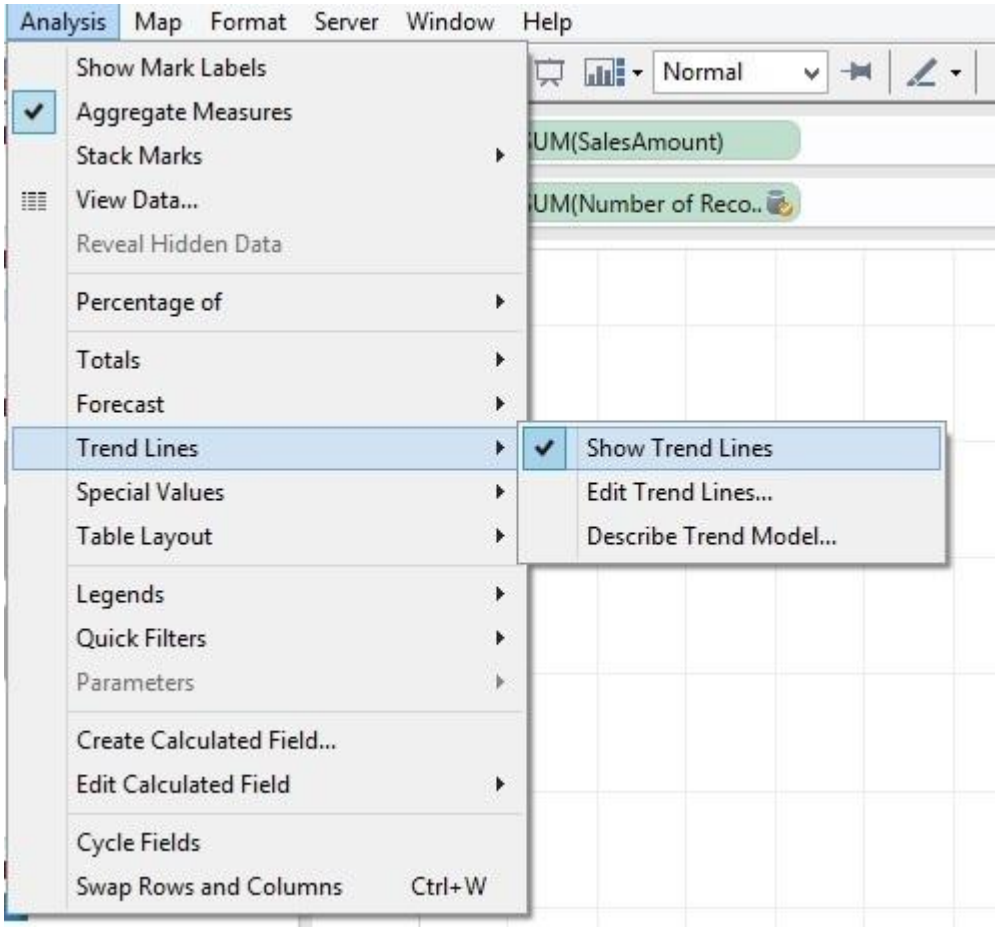
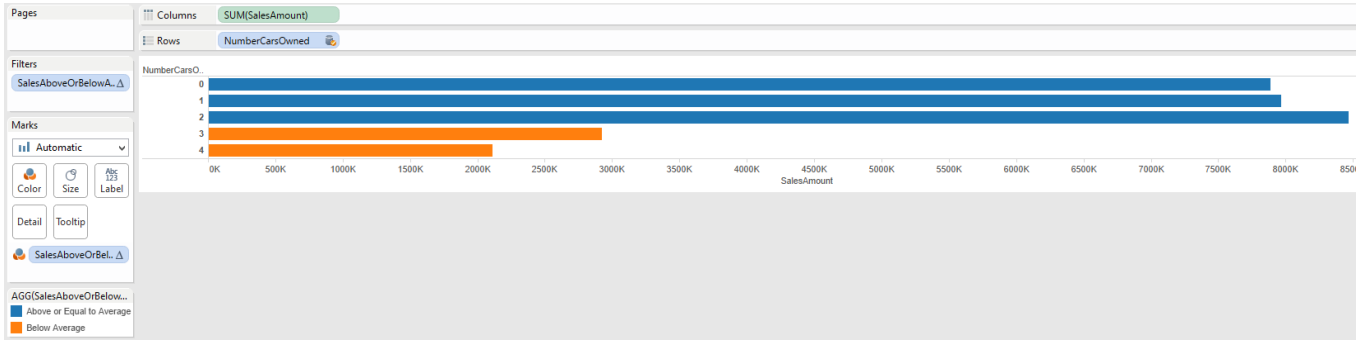
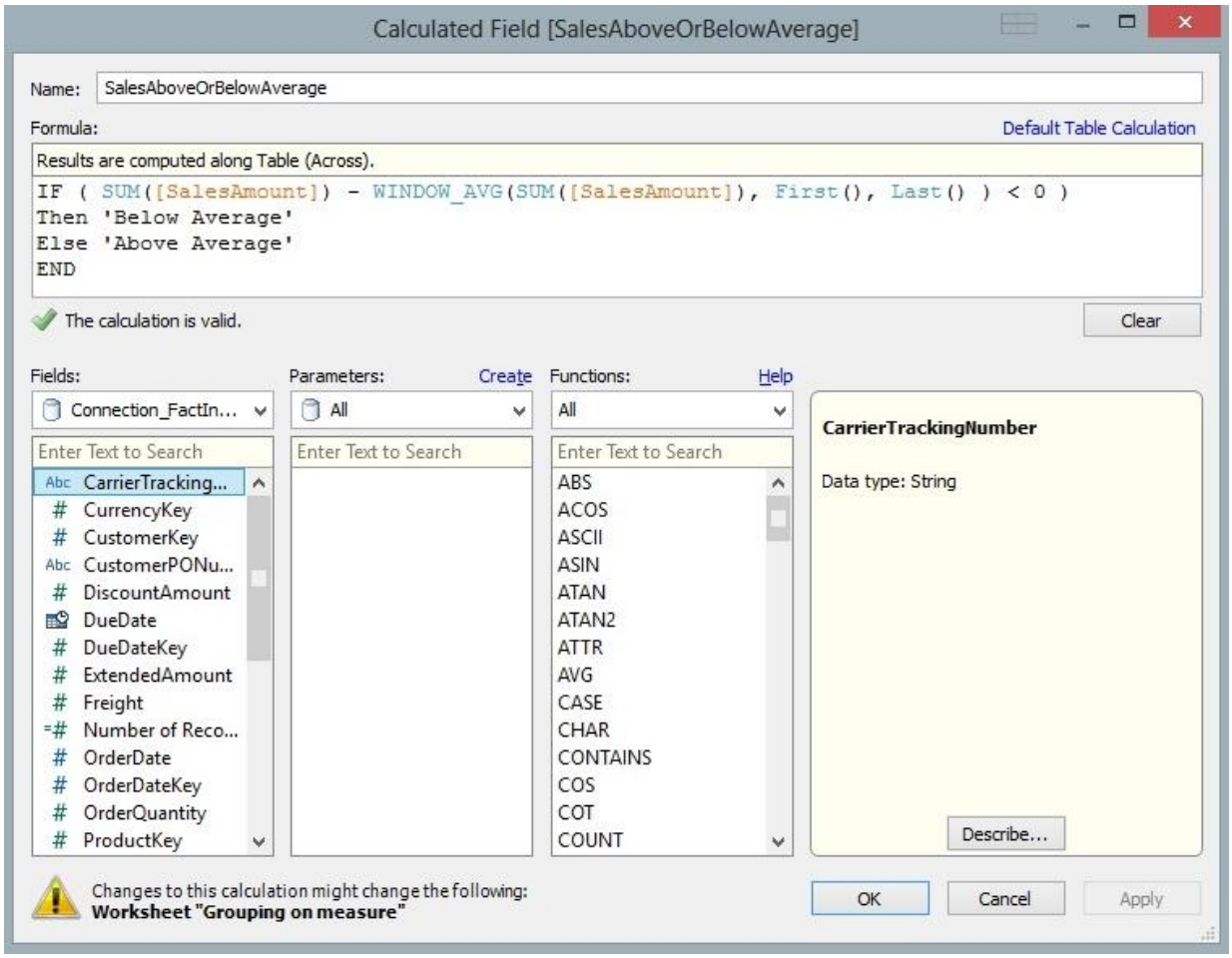
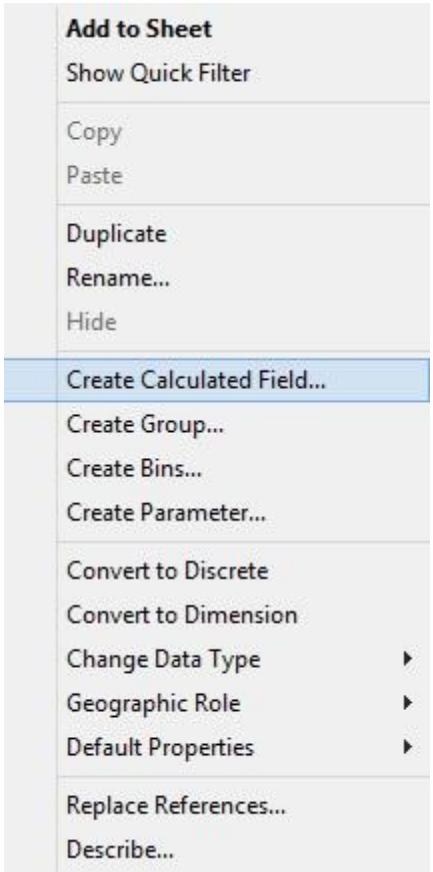


Tableau - Chapter 2
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Show Me
Data
Connection_DimCustomer
Connection_DimDate
Connection_FactInternetSales
Dimensions
AddressLine1
AddressLine2
BirthDate
CommuteDistance
CustomerAlternateKey
CustomerKey
Customers With Children
DateFirstPurchase
EmailAddress
EnglishEducation
EnglishOccupation
FirstName
FrenchEducation
FrenchOccupation
Gender
GeographyKey
HouseOwnerFlag
LastName
MaritalStatus
MiddleName
NameStyle
NumberCarsOwned
NumberChildrenAtHome
Phone
SpanishEducation
SpanishOccupation
Suffix
Title
Measures
NumberCarsOwned (copy)
Number of Records
Measure Values
Pages
Filters
NumberCarsOwned
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Shape
NumberCarsOwn..
NumberCarsOwn..
NumberCarsOwned
0
1
2
3
4
Columns
SUM(SalesAmount)
Rows
CNT(NumberCarsOwn..
Count of NumberCarsOwned (copy)
6K
5K
4K
3K
2K
1K
0K
0M
1M
2M
3M
4M
5M
6M
7M
8M
SalesAmount
2
1
0
3
4
Topic 1 and 2
Topic 3
Grouping on measure
Correlation with Calculation
5 marks
1 row by 1 column
SUM(SalesAmount): 29,358,677

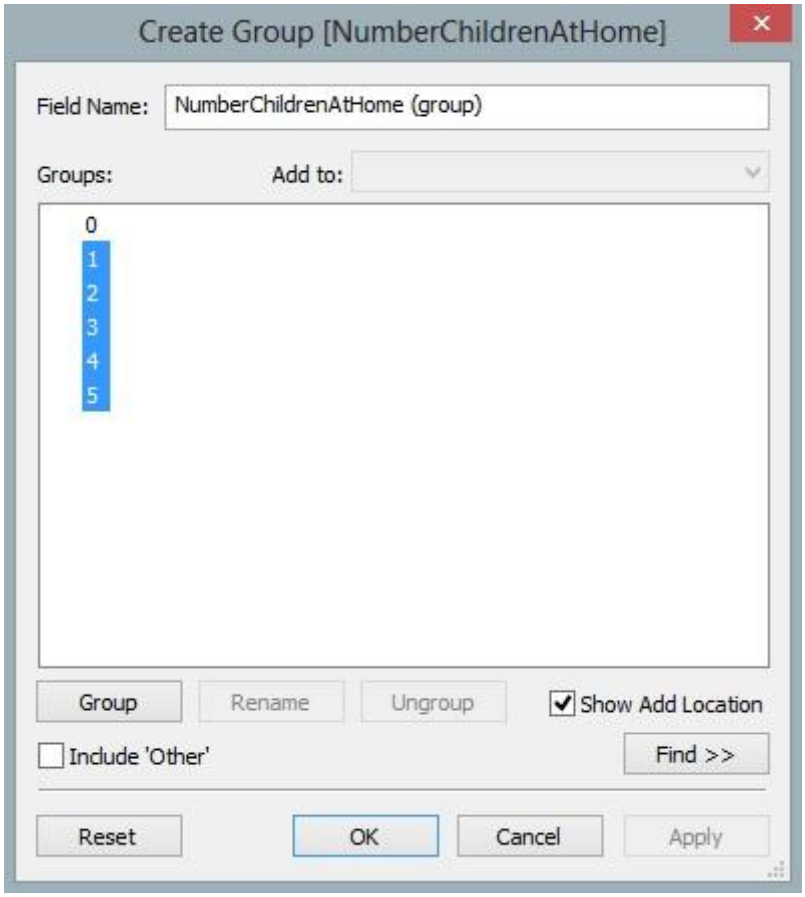

Analysis
Map
Format
Server
Window
Help
Show Mark Labels
Aggregate Measures
Stack Marks
View Data...
Reveal Hidden Data
Percentage of
Totals
Forecast
Trend Lines
Special Values
Table Layout
Legends
Quick Filters
Parameters
Create Calculated Field...
Edit Calculated Field
Cycle Fields
Swap Rows and Columns
Ctrl+W
Show Trend Lines
Edit Trend Lines...
Describe Trend Model...
Normal
UM(SalesAmount)
UM(Number of Reco..

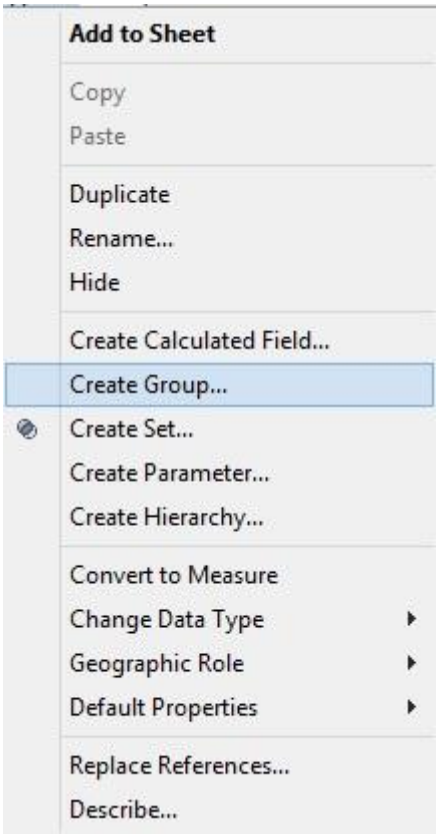

Pages
Columns
SUM(SalesAmount)
Rows
NumberCarsOwned
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
AGG(SalesAboveOrBelow...
Above or Equal to Average
Below Average
0K
500K
1000K
1500K
2000K
2500K
3000K
3500K
4000K
4500K
5000K
5500K
6000K
6500K
7000K
7500K
8000K
SalesAmount


Calculated Field [SalesAboveOrBelowAverage]
Name: SalesAboveOrBelowAverage
Formula:
Default Table Calculation
Results are computed along Table (Across).
IF (SUM([SalesAmount]) - WINDOW_AVG(SUM([SalesAmount]), First(), Last()) < 0)
Then 'Below Average'
Else 'Above Average'
END
The calculation is valid.
Clear
Fields:
Parameters:
Create
Functions:
Help
Connection_FactIn...
All
All
Enter Text to Search
Enter Text to Search
Enter Text to Search
Abc CarrierTracking...
CurrencyKey
CustomerKey
Abc CustomerPONu...
DiscountAmount
DueDate
DueDateKey
ExtendedAmount
Freight
=# Number of Reco...
OrderDate
OrderDateKey
OrderQuantity
ProductKey
ABS
ACOS
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG
CASE
CHAR
CONTAINS
COS
COT
COUNT
CarrierTrackingNumber
Data type: String
Describe...
Changes to this calculation might change the following:
Worksheet "Grouping on measure"
OK
Cancel
Apply


Add to Sheet
Show Quick Filter
Copy
Paste
Duplicate
Rename...
Hide
Create Calculated Field...
Create Group...
Create Bins...
Create Parameter...
Convert to Discrete
Convert to Dimension
Change Data Type
Geographic Role
Default Properties
Replace References...
Describe...

Customers With No Children
Customers With Children


Create Group [NumberChildrenAtHome]
Field Name:
NumberChildrenAtHome (group)
Groups:
Add to:
0
1
2
3
4
5
Group
Rename
Ungroup
Show Add Location
Include 'Other'
Find >>
Reset
OK
Cancel
Apply



NumberChildrenAtHome	
0	11,116
1	2,460
2	1,648
3	1,204
4	1,089
5	967

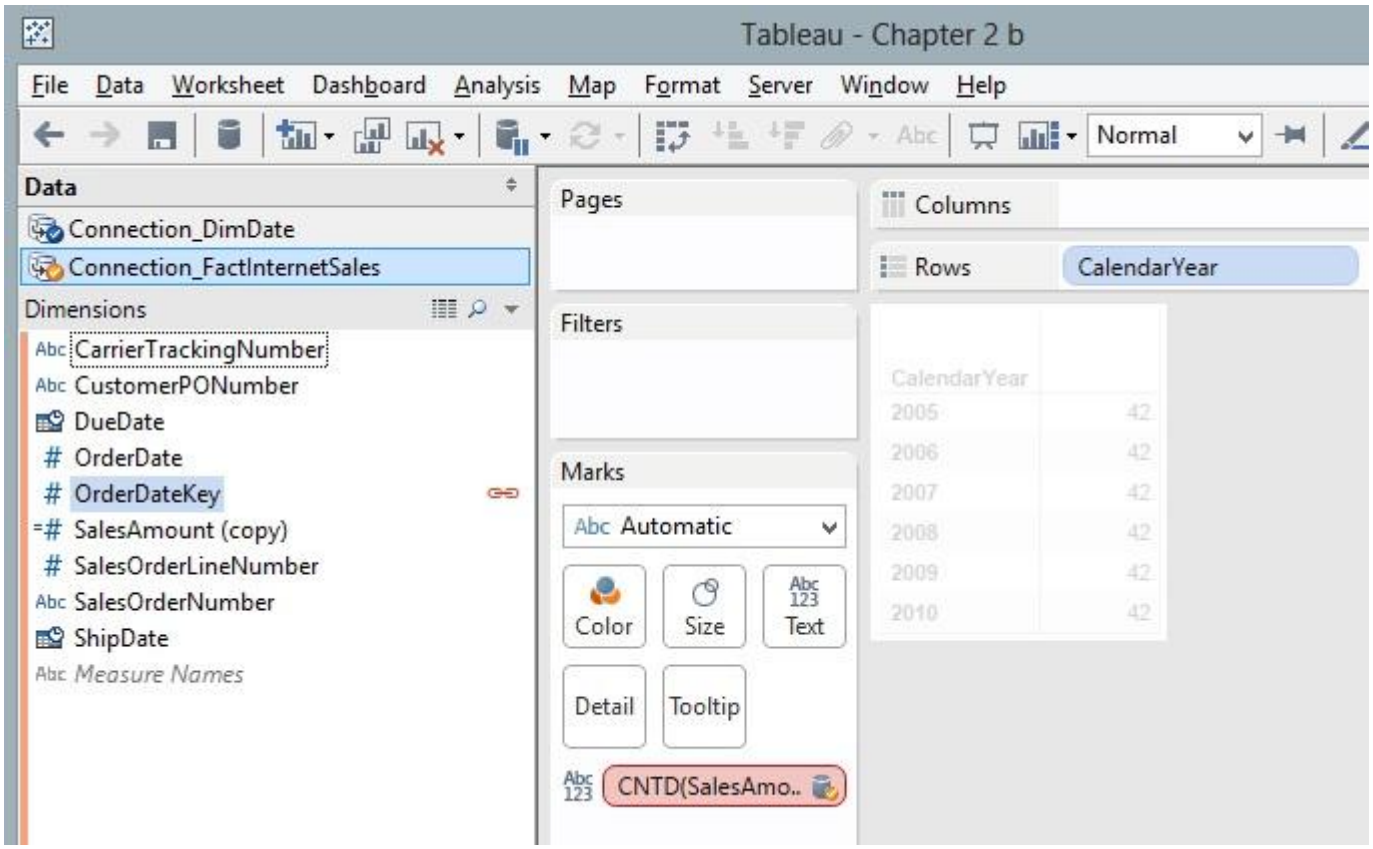


Tableau - Chapter 2 b
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Data
Connection_DimDate
Connection_FactInternetSales
Dimensions
CarrierTrackingNumber
CustomerPONumber
DueDate
OrderDate
OrderDateKey
SalesAmount (copy)
SalesOrderLineNumber
SalesOrderNumber
ShipDate
Measure Names
Pages
Filters
Marks
Automatic
Color
Size
Text
Detail
Tooltip
CNTD(SalesAmo..
Columns
Rows
CalendarYear
CalendarYear
2005 42
2006 42
2007 42
2008 42
2009 42
2010 42

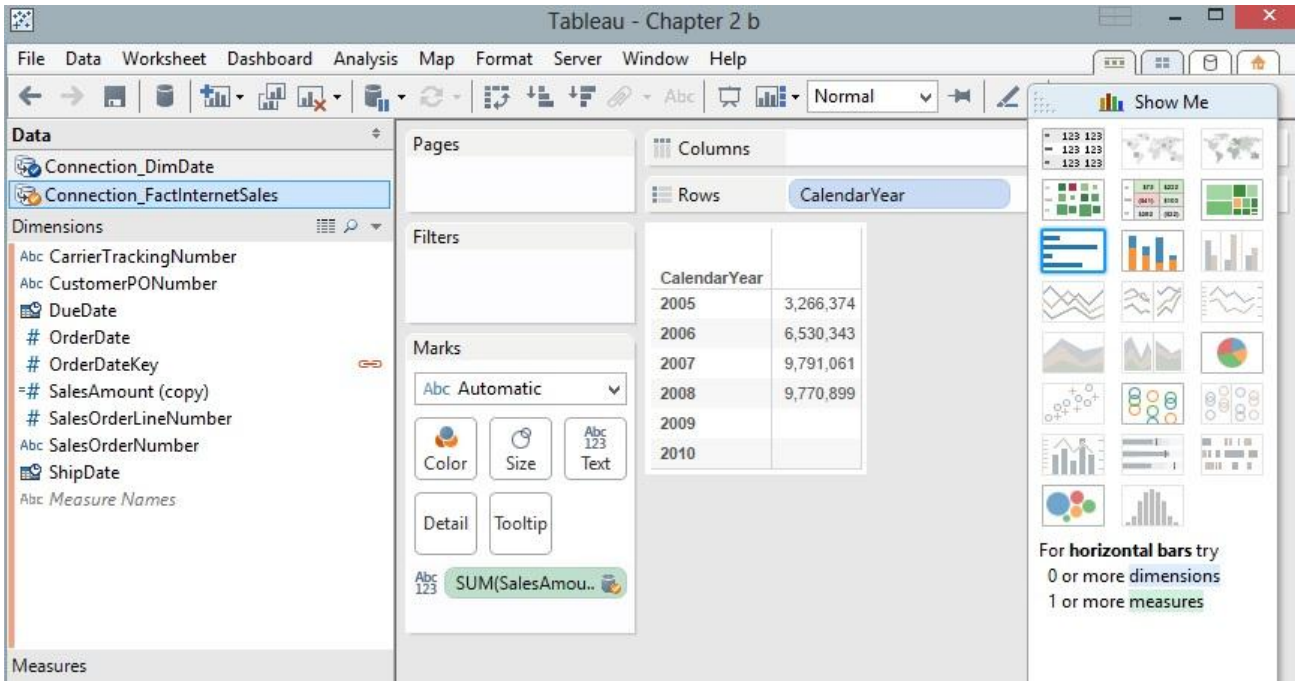
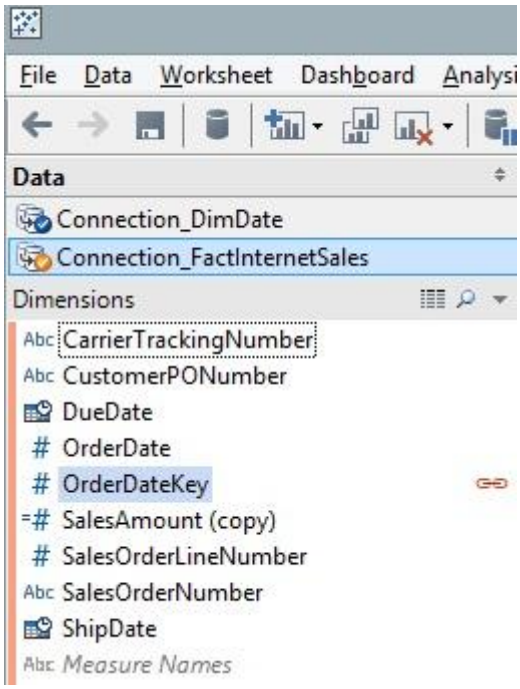
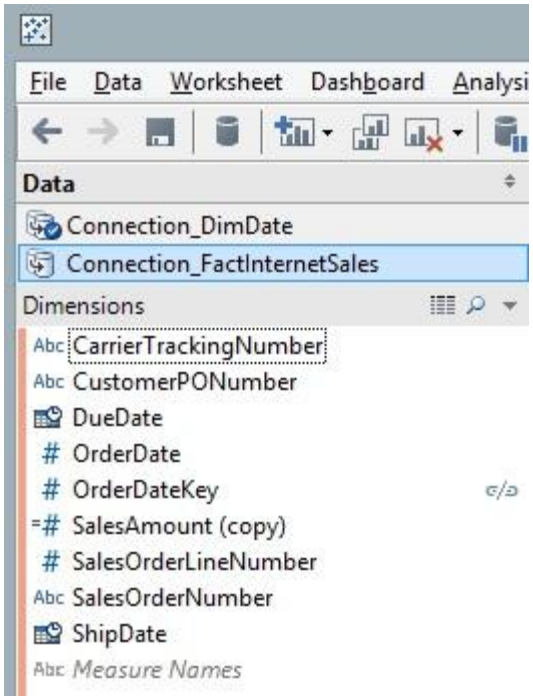
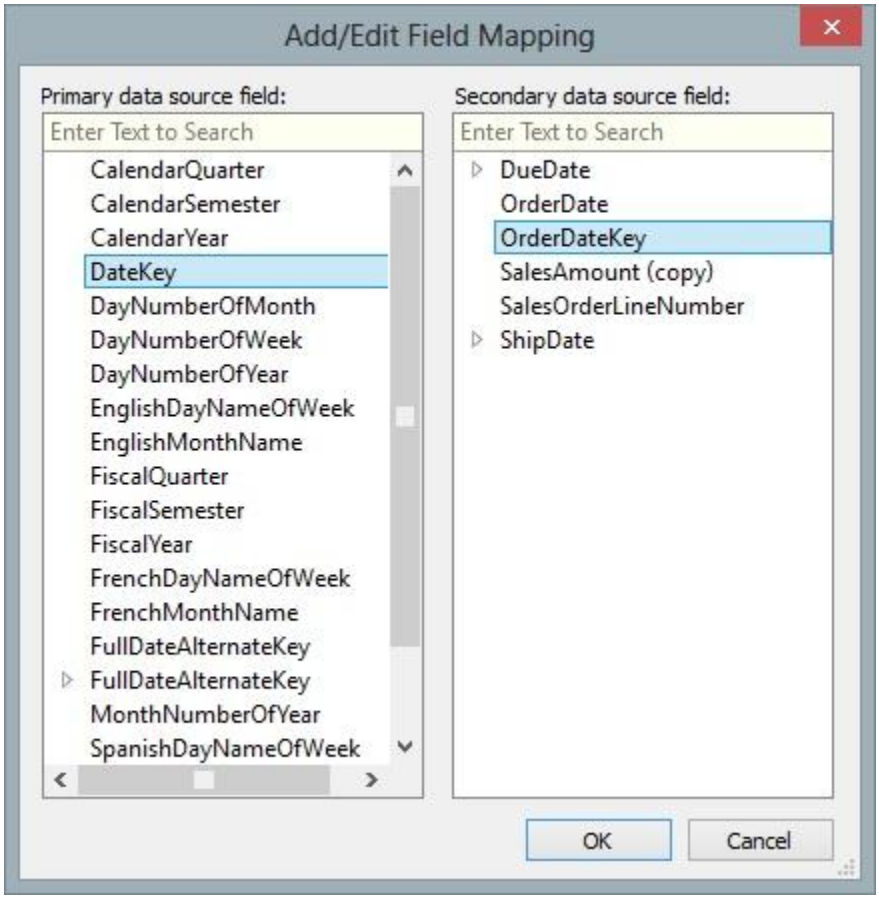
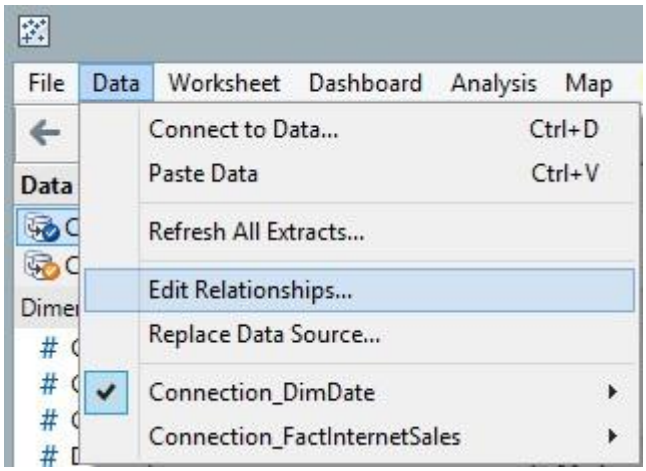


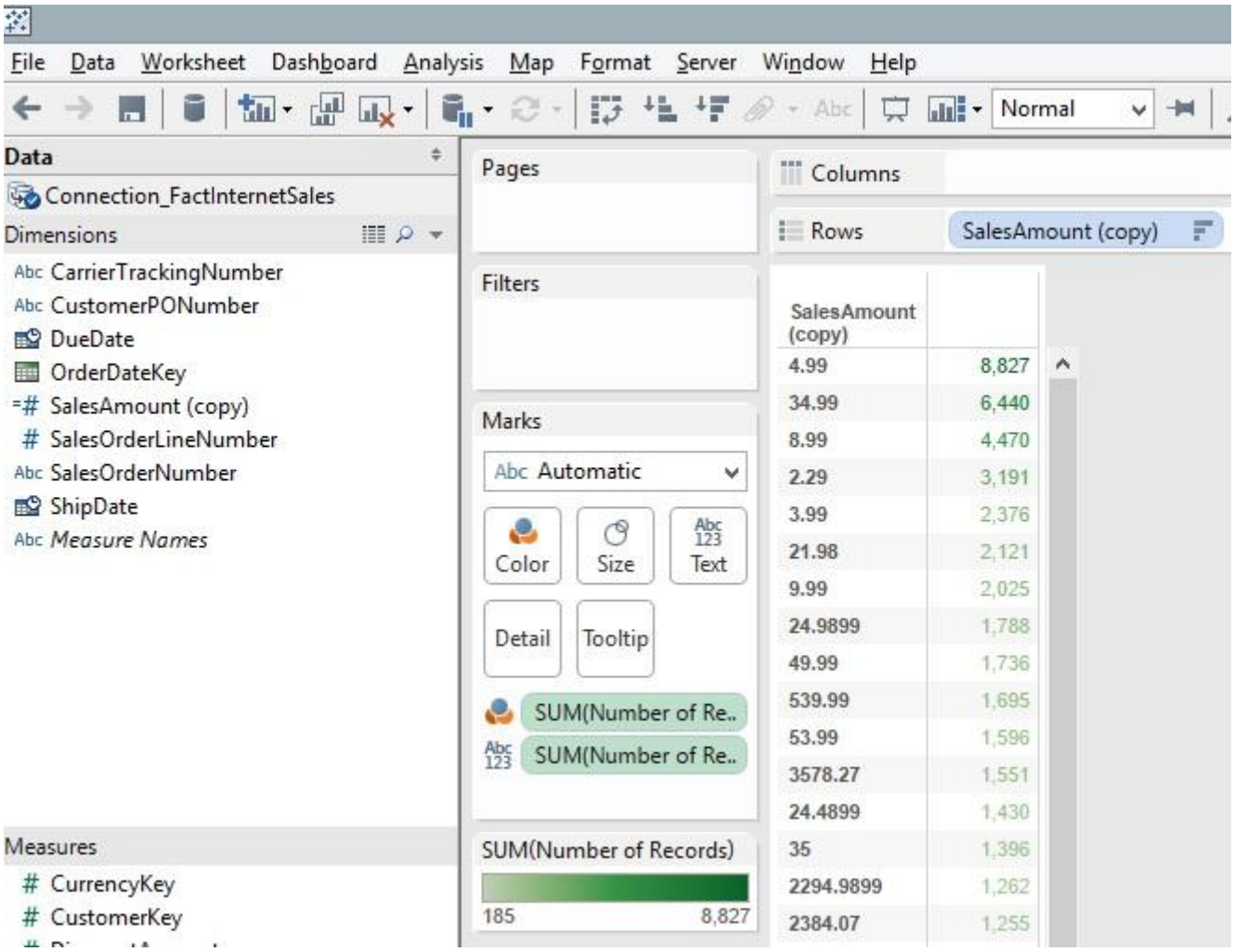
Tableau - Chapter 2 b
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Show Me
Data
Connection_DimDate
Connection_FactInternetSales
Dimensions
CarrierTrackingNumber
CustomerPONumber
DueDate
OrderDate
OrderDateKey
SalesAmount (copy)
SalesOrderLineNumber
SalesOrderNumber
ShipDate
Measure Names
Measures
Pages
Filters
Marks
Automatic
Color
Size
Text
Detail
Tooltip
SUM(SalesAmou..
Columns
Rows
CalendarYear
CalendarYear
2005 3,266,374
2006 6,530,343
2007 9,791,061
2008 9,770,899
2009
2010
For horizontal bars try
0 or more dimensions
1 or more measures


File Data Worksheet Dashboard Analysi
Data
Connection_DimDate
Connection_FactInternetSales
Dimensions
CarrierTrackingNumber
CustomerPONumber
DueDate
OrderDate
OrderDateKey
SalesAmount (copy)
SalesOrderLineNumber
SalesOrderNumber
ShipDate
Measure Names

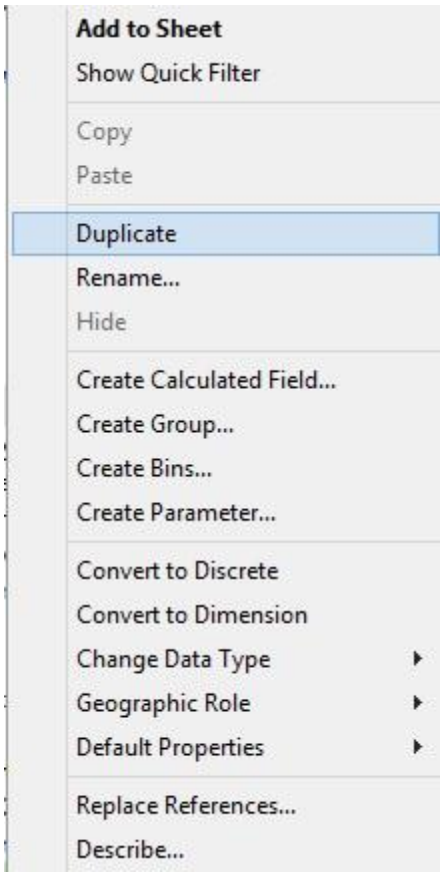

File Data Worksheet Dashboard Analysi
Data
Connection_DimDate
Connection_FactInternetSales
Dimensions
CarrierTrackingNumber
CustomerPONumber
DueDate
OrderDate
OrderDateKey
SalesAmount (copy)
SalesOrderLineNumber
SalesOrderNumber
ShipDate
Measure Names

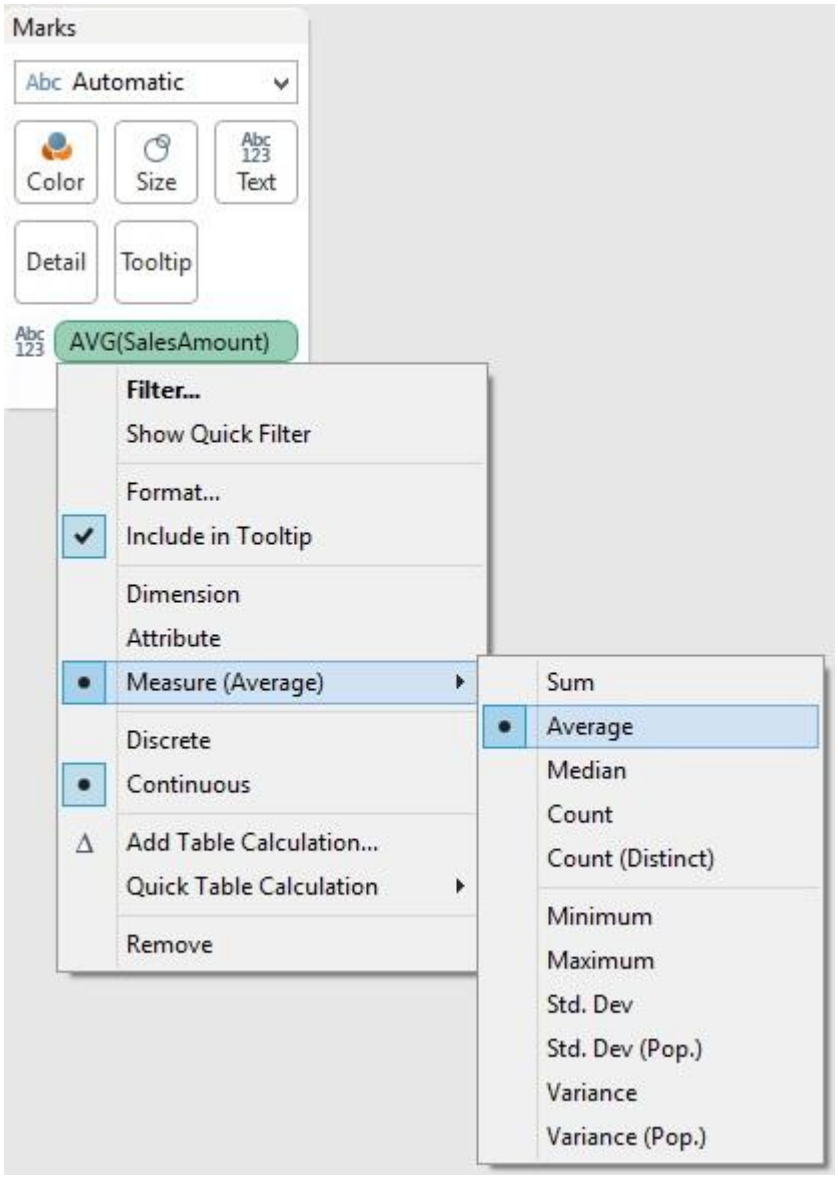

Add/Edit Field Mapping
Primary data source field:
Enter Text to Search
CalendarQuarter
CalendarSemester
CalendarYear
DateKey
DayNumberOfMonth
DayNumberOfWeek
DayNumberOfYear
EnglishDayNameOfWeek
EnglishMonthName
FiscalQuarter
FiscalSemester
FiscalYear
FrenchDayNameOfWeek
FrenchMonthName
FullDateAlternateKey
FullDateAlternateKey
MonthNumberOfYear
SpanishDayNameOfWeek
Secondary data source field:
Enter Text to Search
DueDate
OrderDate
OrderDateKey
SalesAmount (copy)
SalesOrderLineNumber
ShipDate
OK
Cancel

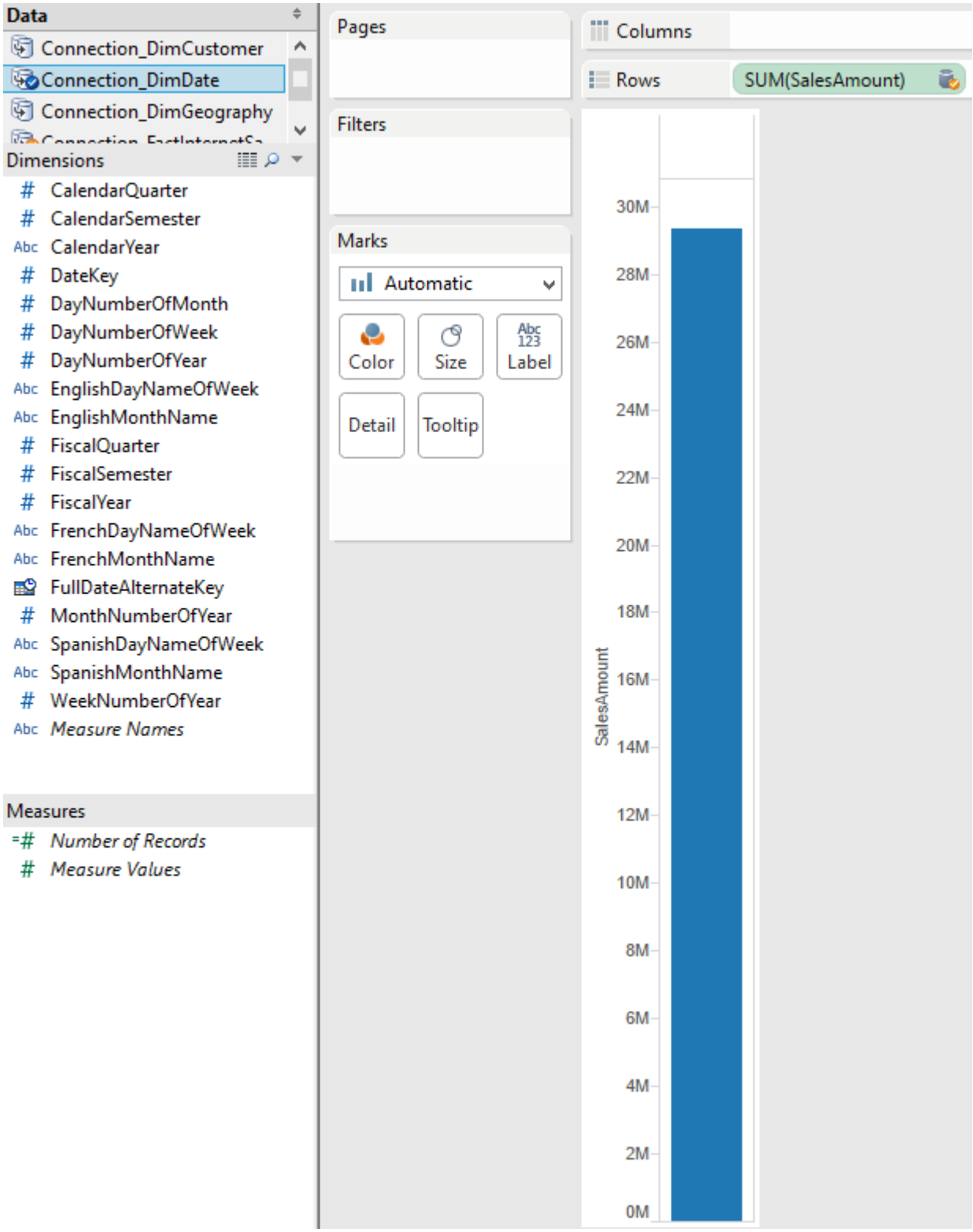

File
Data
Worksheet
Dashboard
Analysis
Map
Connect to Data... Ctrl+D
Paste Data Ctrl+V
Refresh All Extracts...
Edit Relationships...
Replace Data Source...
Connection_DimDate
Connection_FactInternetSales
Data


File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Data
Connection_FactInternetSales
Dimensions
Abc CarrierTrackingNumber
Abc CustomerPONumber
DueDate
OrderDateKey
=# SalesAmount (copy)
SalesOrderLineNumber
Abc SalesOrderNumber
ShipDate
Abc Measure Names
Measures
CurrencyKey
CustomerKey
Pages
Filters
Marks
Abc Automatic
Color
Size
Abc 123 Text
Detail
Tooltip
SUM(Number of Re..
SUM(Number of Re..
SUM(Number of Records)
185
8,827
Columns
Rows
SalesAmount (copy)
SalesAmount (copy)
4.99 8,827
34.99 6,440
8.99 4,470
2.29 3,191
3.99 2,376
21.98 2,121
9.99 2,025
24.9899 1,788
49.99 1,736
539.99 1,695
53.99 1,596
3578.27 1,551
24.4899 1,430
35 1,396
2294.9899 1,262
2384.07 1,255

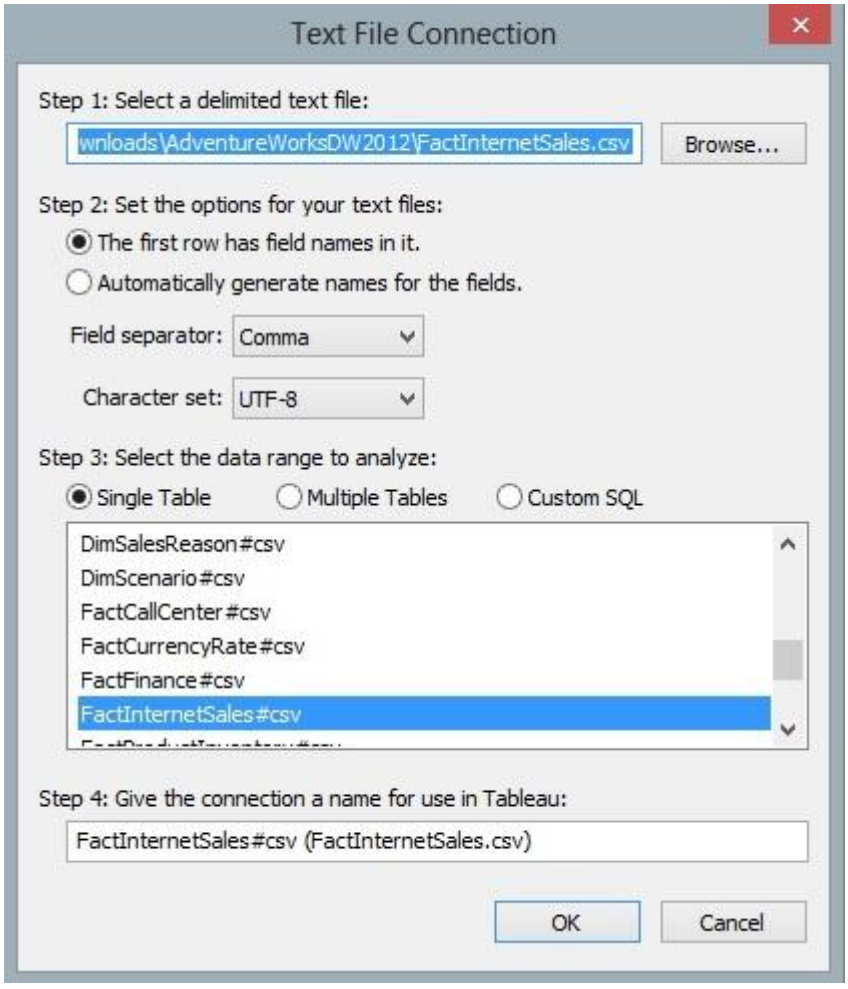
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Sort SalesAmount (copy) descending by Number of Records
Data
Pages


Add to Sheet
Show Quick Filter
Copy
Paste
Duplicate
Rename...
Hide
Create Calculated Field...
Create Group...
Create Bins...
Create Parameter...
Convert to Discrete
Convert to Dimension
Change Data Type
Geographic Role
Default Properties
Replace References...
Describe...

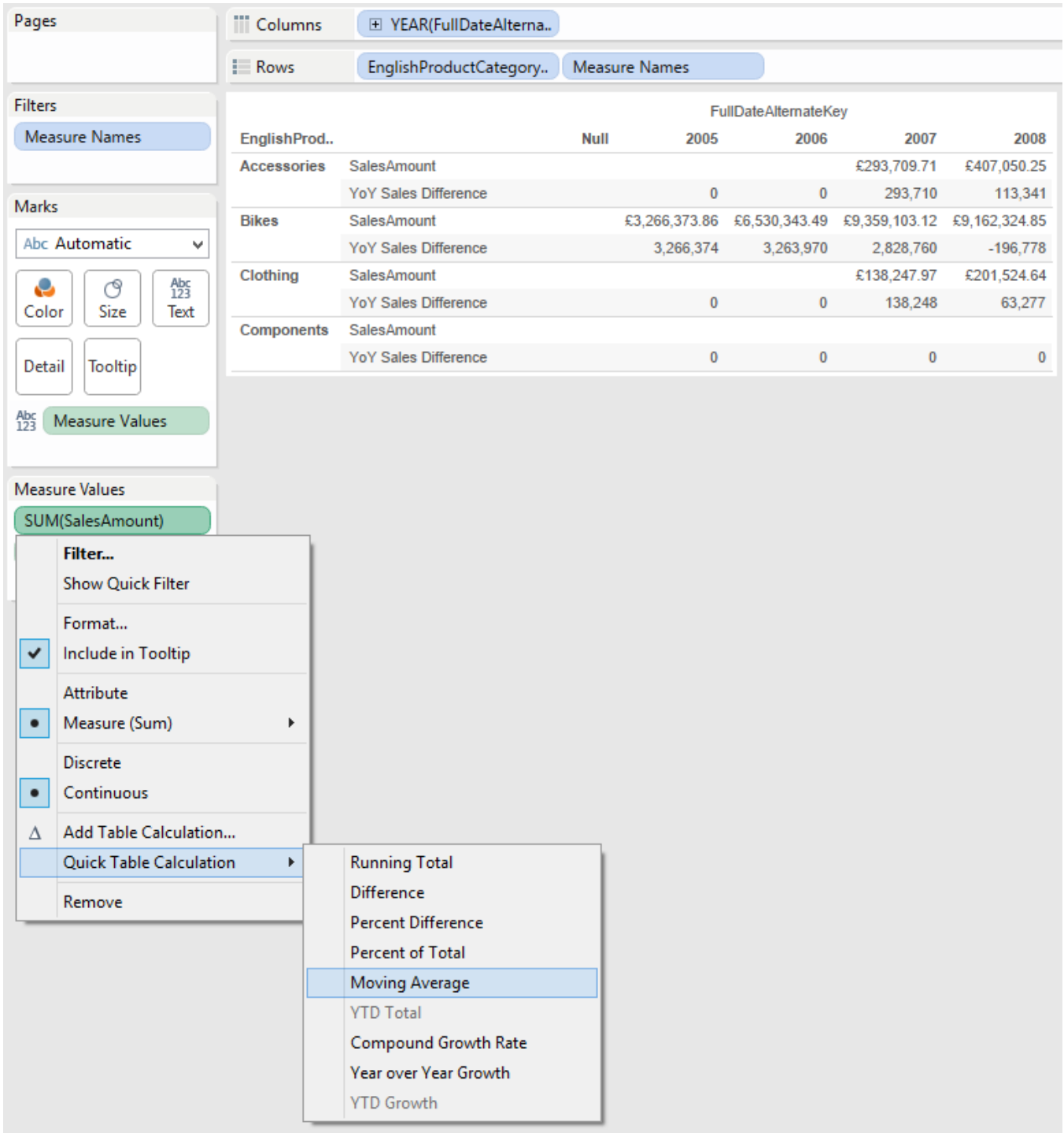

Marks
Abc Automatic
Color
Size
Abc 123 Text
Detail
Tooltip
Abc 123 AVG(SalesAmount)
Filter...
Show Quick Filter
Format...
Include in Tooltip
Dimension
Attribute
Measure (Average)
Discrete
Continuous
Add Table Calculation...
Quick Table Calculation
Remove
Sum
Average
Median
Count
Count (Distinct)
Minimum
Maximum
Std. Dev
Std. Dev (Pop.)
Variance
Variance (Pop.)


Data
Connection_DimCustomer
Connection_DimDate
Connection_DimGeography
Dimensions
CalendarQuarter
CalendarSemester
CalendarYear
DateKey
DayNumberOfMonth
DayNumberOfWeek
DayNumberOfYear
EnglishDayNameOfWeek
EnglishMonthName
FiscalQuarter
FiscalSemester
FiscalYear
FrenchDayNameOfWeek
FrenchMonthName
FullDateAlternateKey
MonthNumberOfYear
SpanishDayNameOfWeek
SpanishMonthName
WeekNumberOfYear
Measure Names
Measures
Number of Records
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Rows
SUM(SalesAmount)
30M
28M
26M
24M
22M
20M
18M
16M
14M
12M
10M
8M
6M
4M
2M
0M
SalesAmount

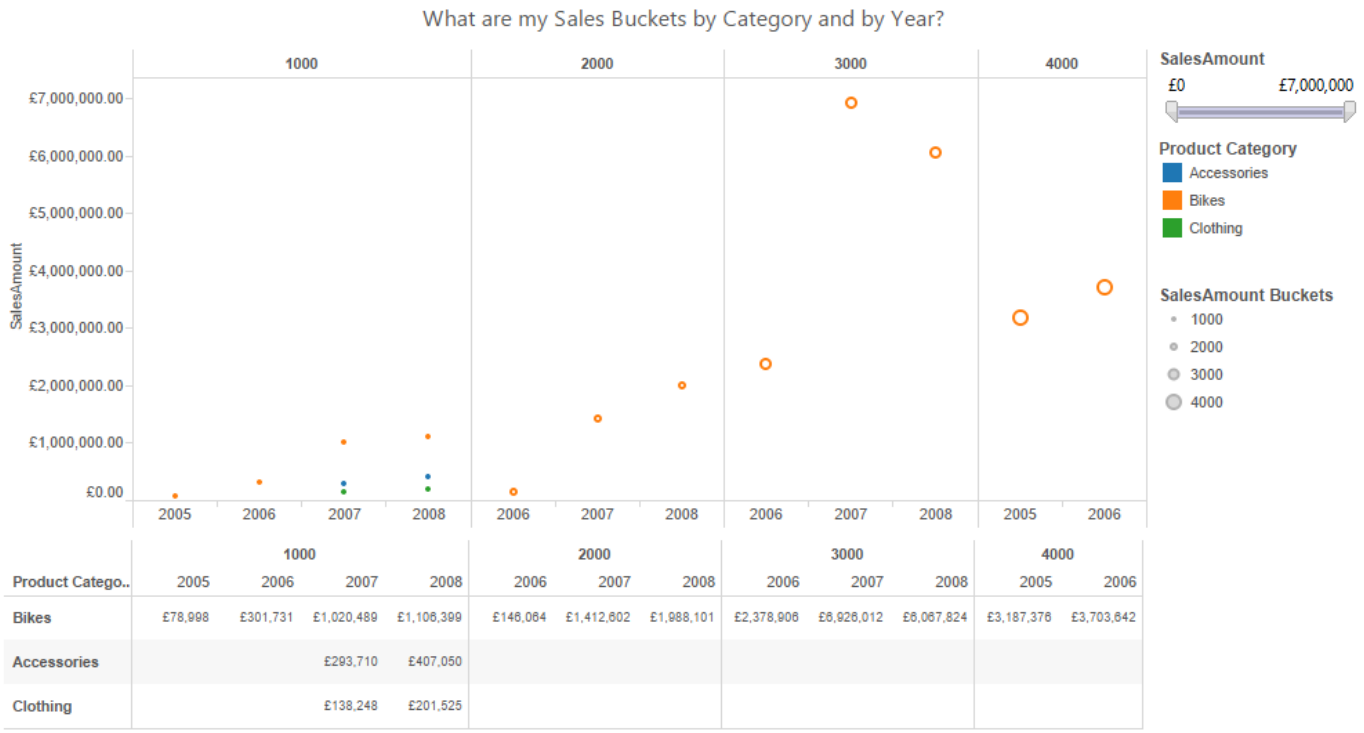
Data Connection
Select how you want to connect to your data.
Connect live
Connect directly to your data. The speed of your data source will determine performance.
Import all data
Import all of your data into Tableau's fast data engine.
Import some data
Select a subset of your data to import into Tableau's fast data engine.
Always do this for Text File
Learn More


Text File Connection
Step 1: Select a delimited text file:
wnloads\AdventureWorksDW2012\FactInternetSales.csv
Browse...
Step 2: Set the options for your text files:
The first row has field names in it.
Automatically generate names for the fields.
Field separator: Comma
Character set: UTF-8
Step 3: Select the data range to analyze:
Single Table
Multiple Tables
Custom SQL
DimSalesReason#csv
DimScenario#csv
FactCallCenter#csv
FactCurrencyRate#csv
FactFinance#csv
FactInternetSales#csv
Step 4: Give the connection a name for use in Tableau:
FactInternetSales#csv (FactInternetSales.csv)
OK
Cancel

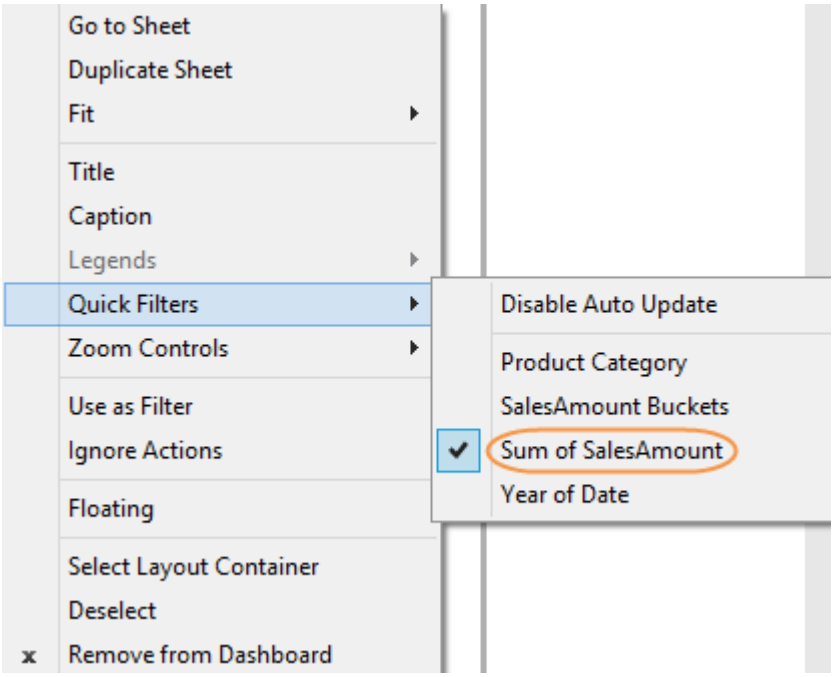
Chapter 3

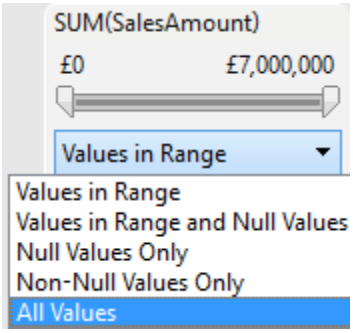


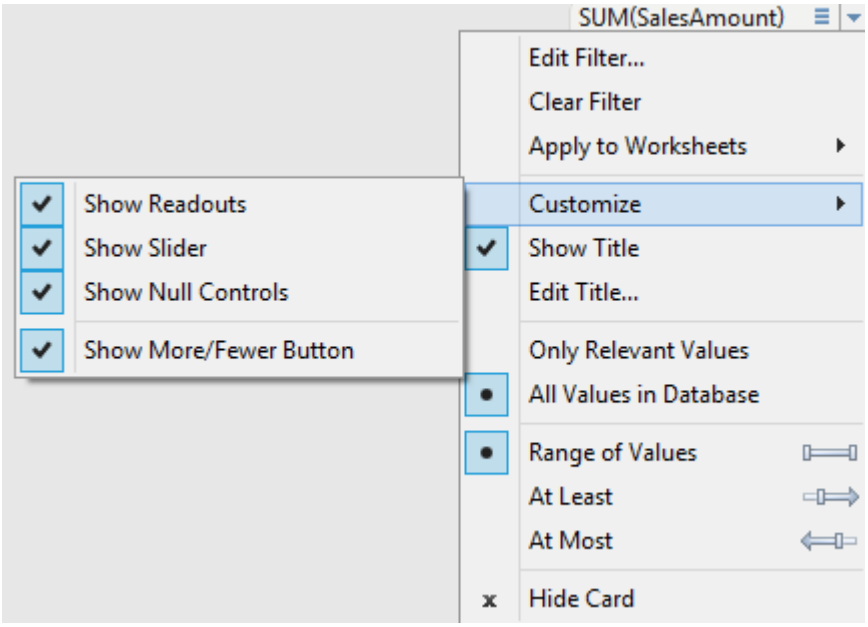
		FullDateAlternateKey			
EnglishProd..		Null	2005	2006	2007	2008
Accessories	SalesAmount				£293,709.71	£407,050.25
	YoY Sales Difference		0	0	293,710	113,341
Bikes	SalesAmount		£3,266,373.86	£6,530,343.49	£9,359,103.12	£9,162,324.85
	YoY Sales Difference		3,266,374	3,263,970	2,828,760	-196,778
Clothing	SalesAmount				£138,247.97	£201,524.64
	YoY Sales Difference		0	0	138,248	63,277
Components	SalesAmount					
	YoY Sales Difference		0	0	0	0

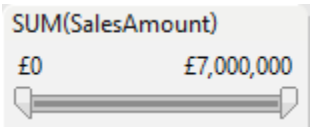


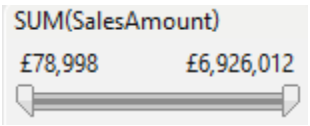
Product Catego..	1000				2000			3000			4000	
	2005	2006	2007	2008	2006	2007	2008	2006	2007	2008	2005	2006
Bikes	£78,998	£301,731	£1,020,489	£1,106,399	£146,064	£1,412,602	£1,988,101	£2,378,906	£6,926,012	£6,067,824	£3,187,376	£3,703,642
Accessories			£293,710	£407,050								
Clothing			£138,248	£201,525								

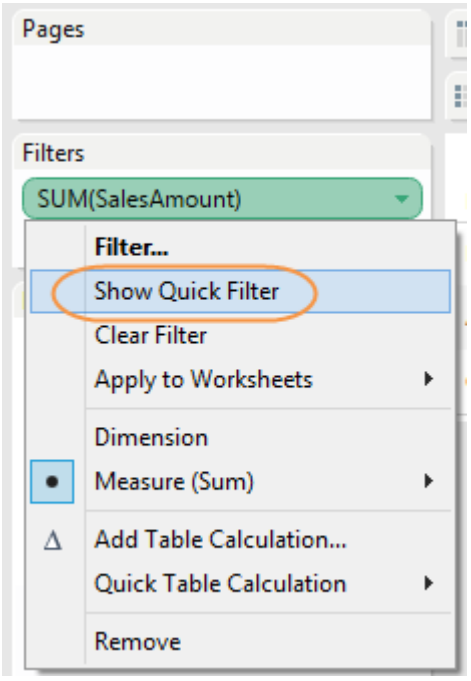


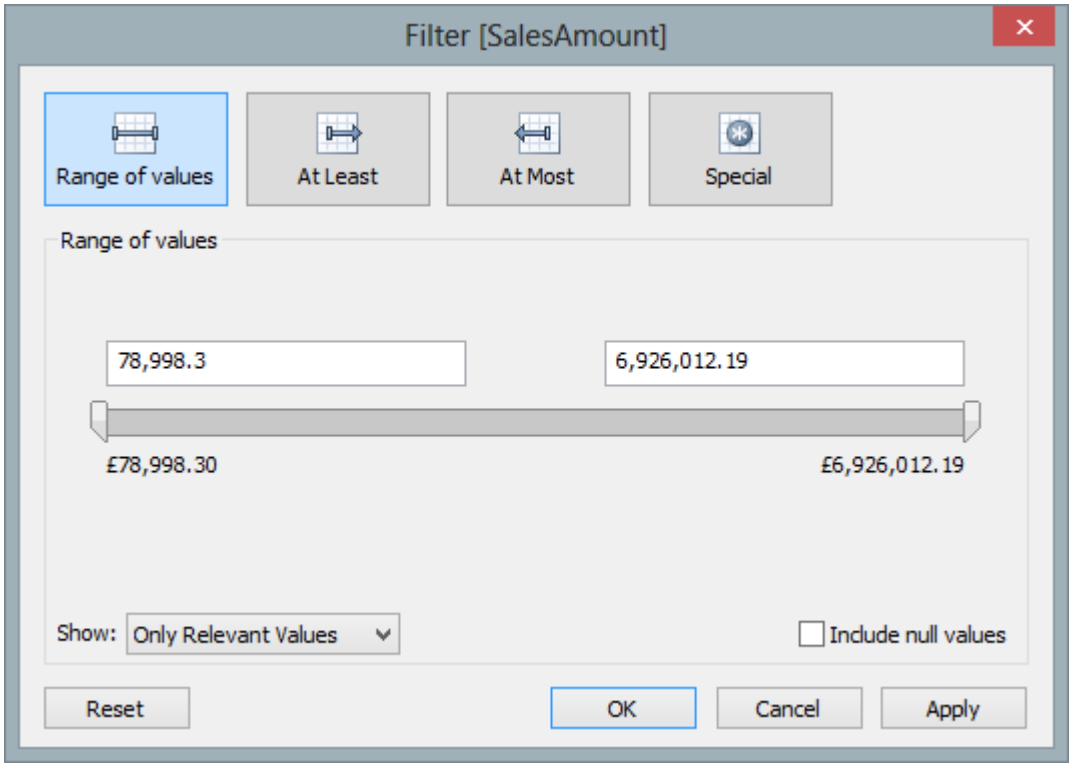


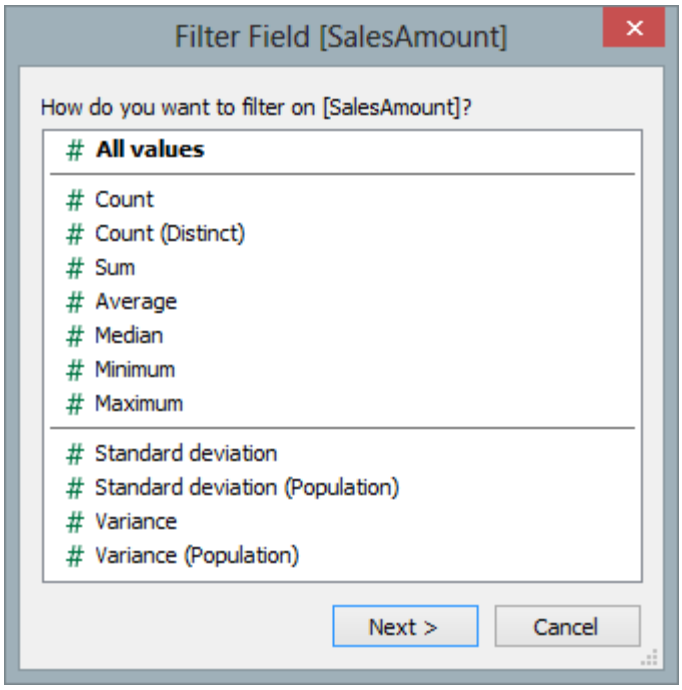

SUM(SalesAmount)
Edit Filter...
Clear Filter
Apply to Worksheets
Show Readouts
Show Slider
Show Null Controls
Show More/Fewer Button
Customize
Show Title
Edit Title...
Only Relevant Values
All Values in Database
Range of Values
At Least
At Most
Hide Card

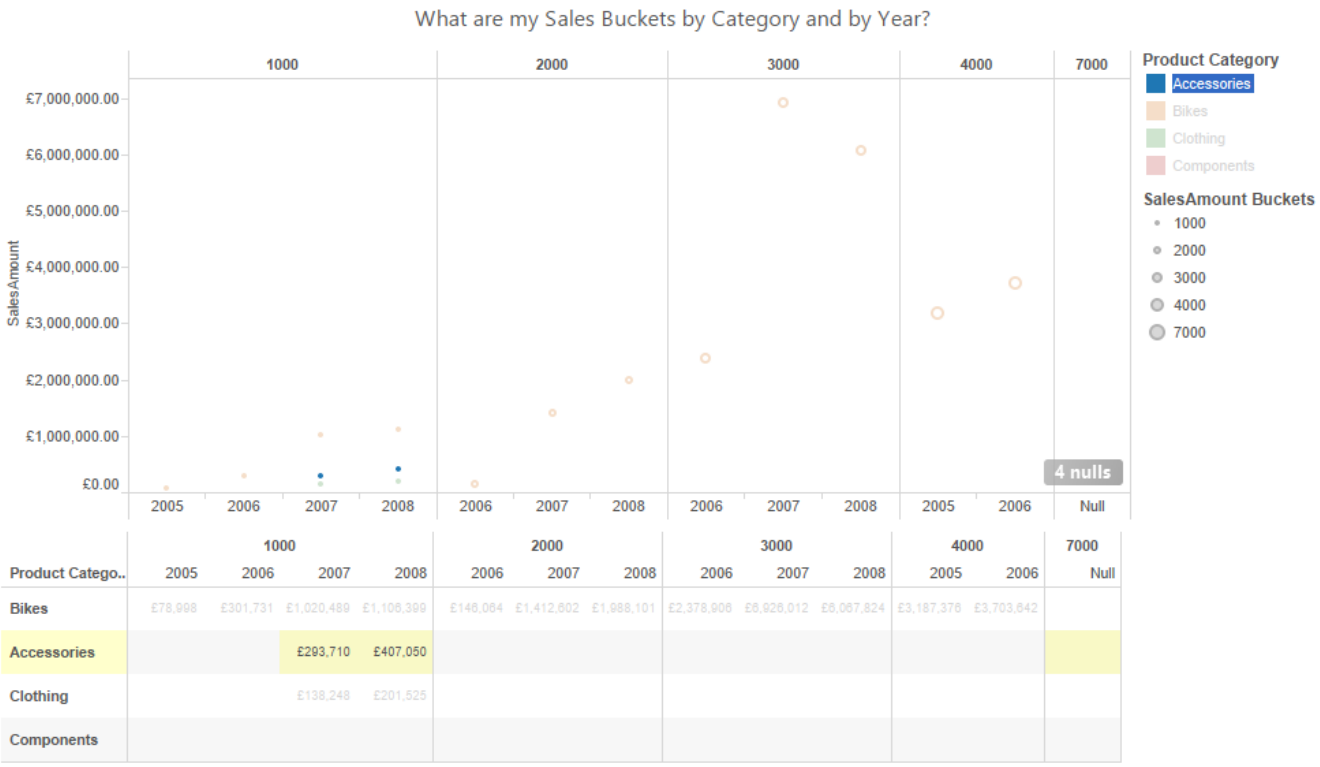

SUM(SalesAmount)
£0
£7,000,000


SUM(SalesAmount)
£78,998
£6,926,012


Pages
Filters
SUM(SalesAmount)
Filter...
Show Quick Filter
Clear Filter
Apply to Worksheets
Dimension
Measure (Sum)
Add Table Calculation...
Quick Table Calculation
Remove


Filter [SalesAmount]
Range of values
At Least
At Most
Special
Range of values
78,998.3
6,926,012.19
£78,998.30
£6,926,012.19
Show:
Only Relevant Values
Include null values
Reset
OK
Cancel
Apply

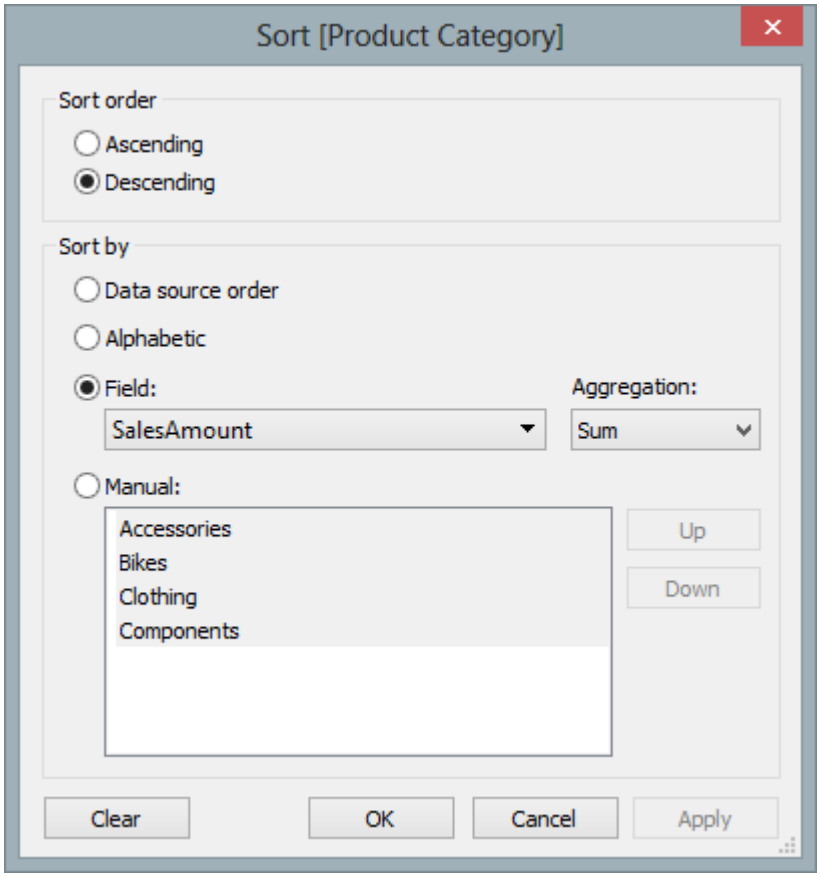

Filter Field [SalesAmount]
How do you want to filter on [SalesAmount]?
All values
Count
Count (Distinct)
Sum
Average
Median
Minimum
Maximum
Standard deviation
Standard deviation (Population)
Variance
Variance (Population)
Next >
Cancel

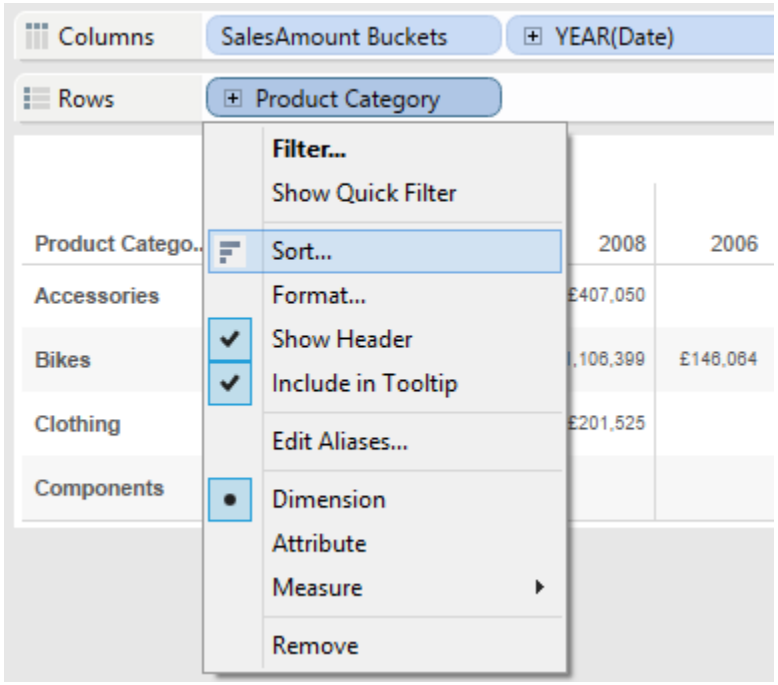


Product Catego..	1000 2005	1000 2006	1000 2007	1000 2008	2000 2006	2000 2007	2000 2008	3000 2006	3000 2007	3000 2008	4000 2005	4000 2006	7000 Null
Bikes	£78,998	£301,731	£1,020,489	£1,106,399	£146,064	£1,412,602	£1,988,101	£2,378,906	£6,926,012	£6,067,824	£3,187,376	£3,703,642	
Accessories			£293,710	£407,050									
Clothing			£138,248	£201,525									
Components													

Bins Set Manually Table

Product Catego..	2005			2006
Bikes	£78,998	£		£146,064
Accessories		£293,710	£407,050	
Clothing		£138,248	£201,525	
Components				


Sort [Product Category]
Sort order
Ascending
Descending
Sort by
Data source order
Alphabetic
Field:
SalesAmount
Aggregation:
Sum
Manual:
Accessories
Bikes
Clothing
Components
Up
Down
Clear
OK
Cancel
Apply

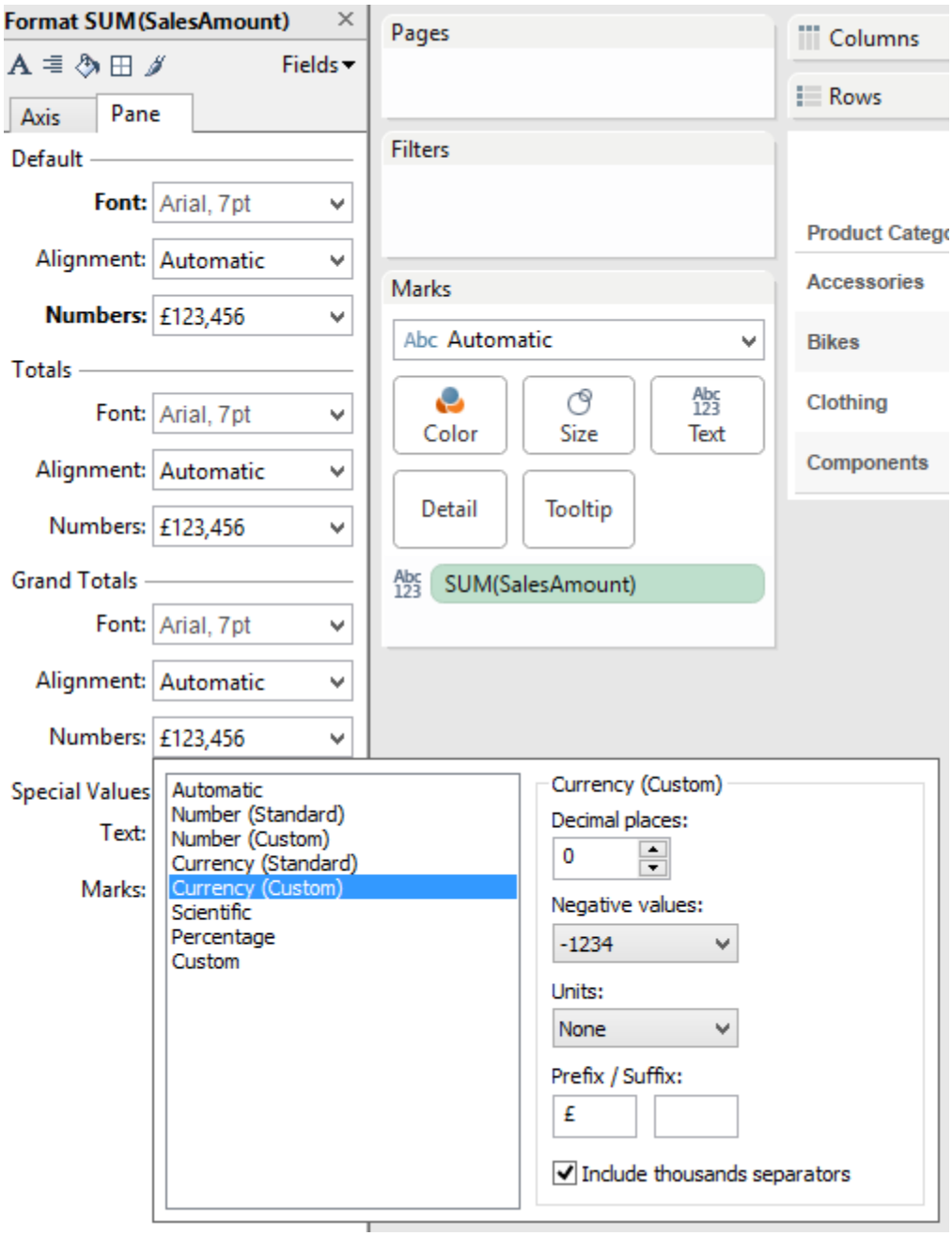

Columns
SalesAmount Buckets
YEAR(Date)
Rows
Product Category
Filter...
Show Quick Filter
Sort...
Format...
Show Header
Include in Tooltip
Edit Aliases...
Dimension
Attribute
Measure
Remove
Product Catego..
2008
2006
Accessories
£407,050
Bikes
,106,399
£146,064
Clothing
£201,525
Components

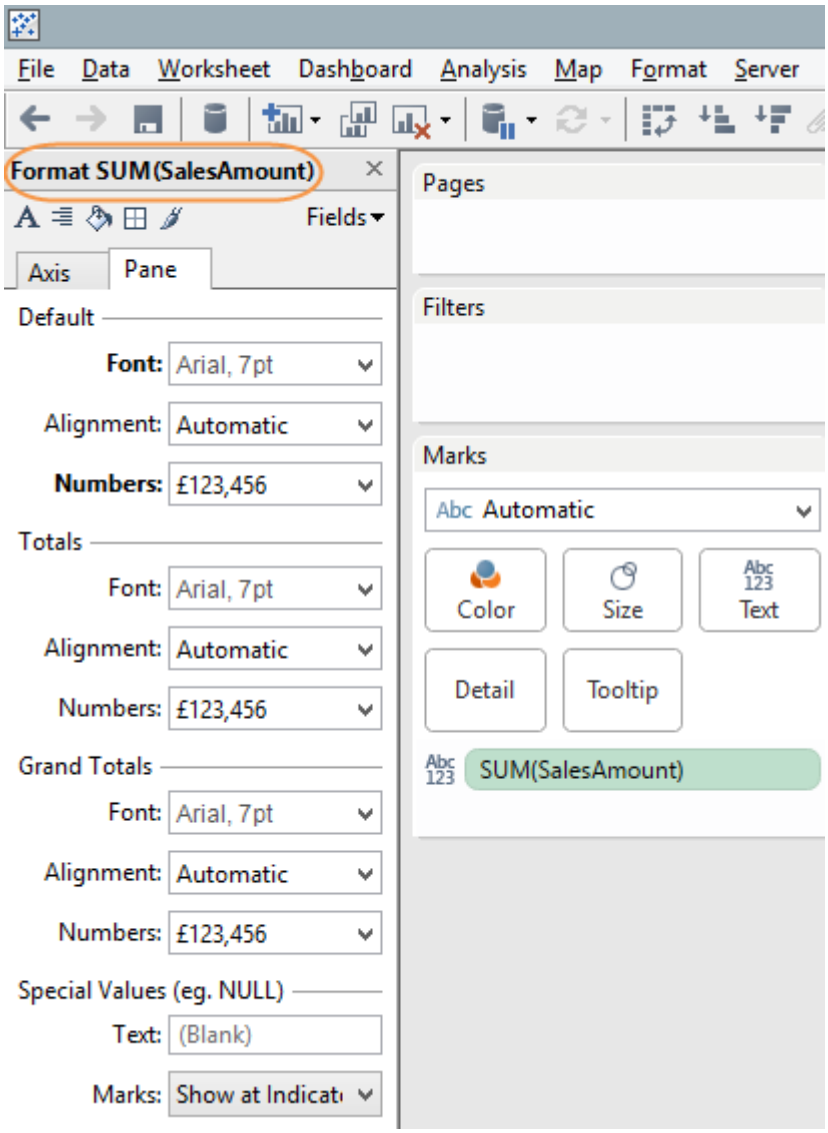
Bins Set Manually

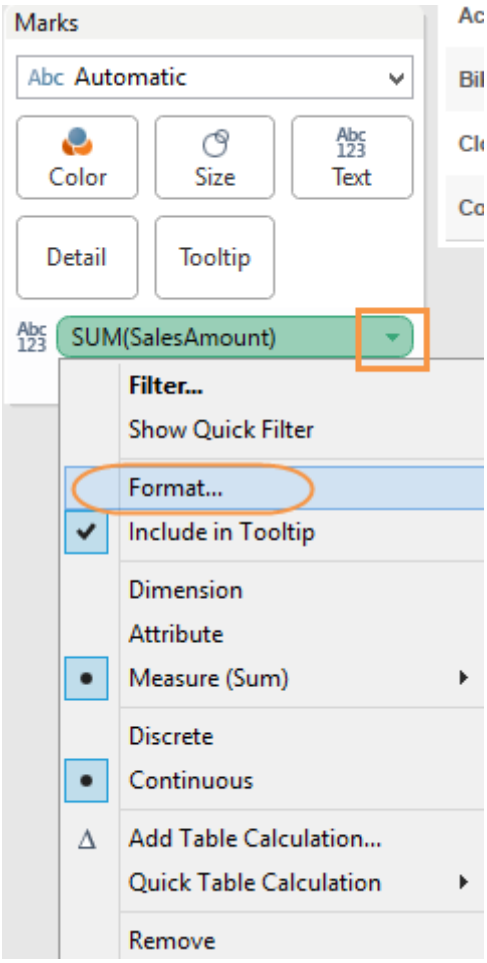
Bins Set Manually Table

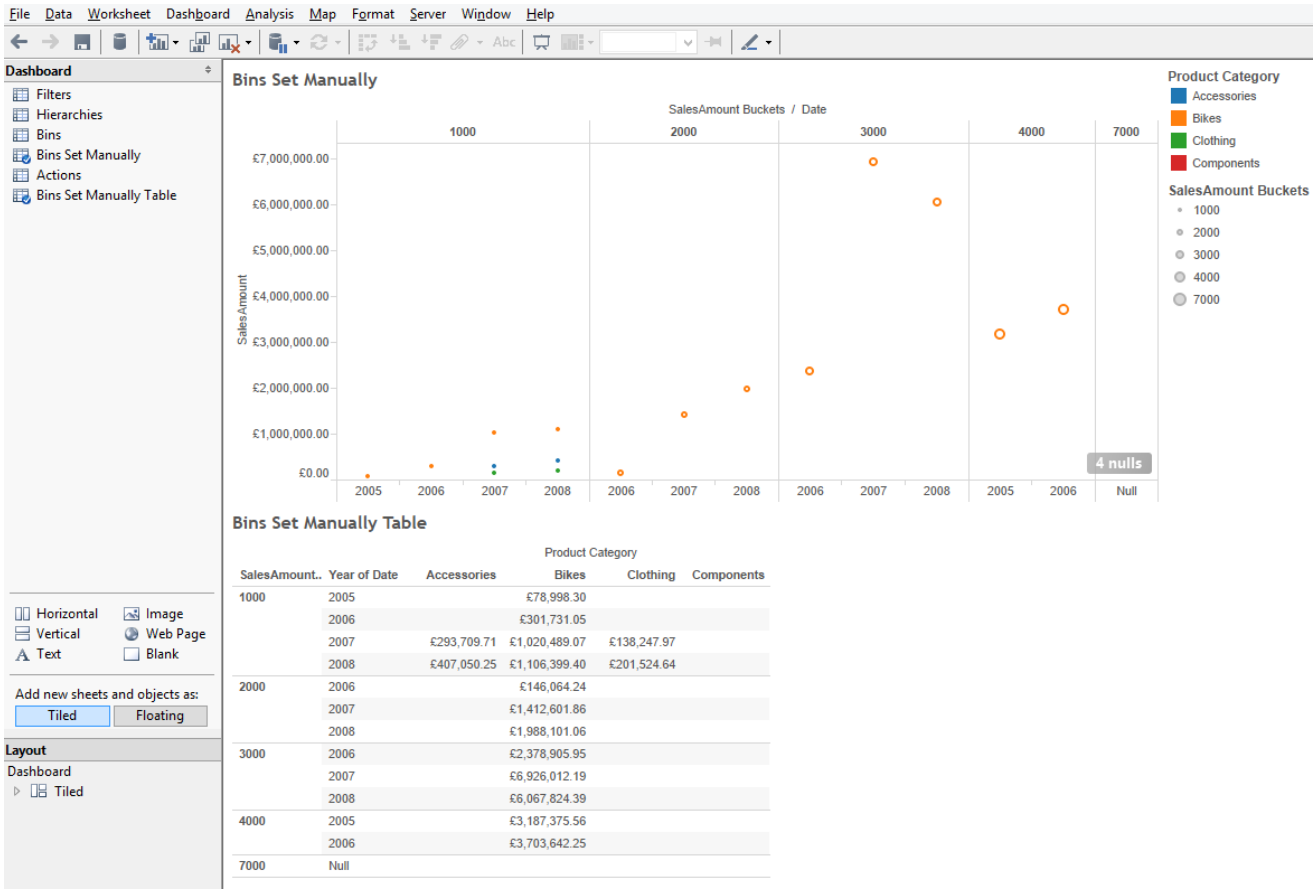
SalesAmount Buckets / Date

	1000				2000			3000			4000		7000
Product Catego..	2005	2006	2007	2008	2006	2007	2008	2006	2007	2008	2005	2006	Null
Accessories			£293,710	£407,050									
Bikes	£78,998	£301,731	£1,020,489	£1,106,399	£146,064	£1,412,602	£1,988,101	£2,378,906	£6,926,012	£6,067,824	£3,187,376	£3,703,642	
Clothing			£138,248	£201,525									
Components													


Format SUM(SalesAmount)
Fields
Axis
Pane
Default
Font: Arial, 7pt
Alignment: Automatic
Numbers: £123,456
Totals
Font: Arial, 7pt
Alignment: Automatic
Numbers: £123,456
Grand Totals
Font: Arial, 7pt
Alignment: Automatic
Numbers: £123,456
Special Values
Text:
Marks:
Automatic
Number (Standard)
Number (Custom)
Currency (Standard)
Currency (Custom)
Scientific
Percentage
Custom
Currency (Custom)
Decimal places:
0
Negative values:
-1234
Units:
None
Prefix / Suffix:
£
Include thousands separators
Pages
Filters
Marks
Abc Automatic
Color
Size
Abc 123 Text
Detail
Tooltip
Abc 123 SUM(SalesAmount)
Columns
Rows
Product Categ
Accessories
Bikes
Clothing
Components

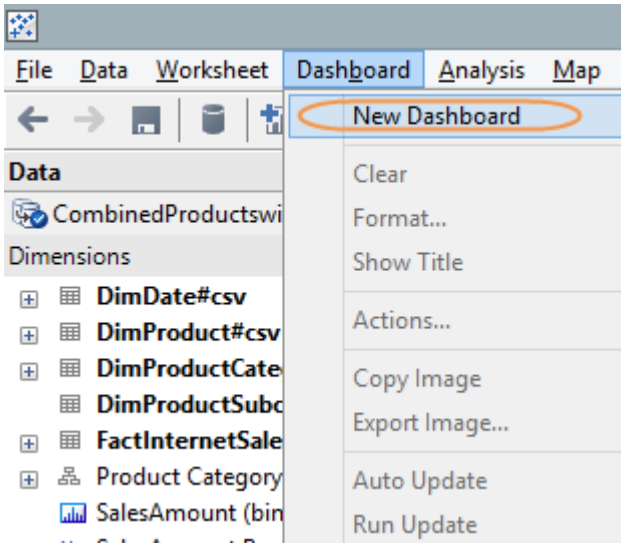

File Data Worksheet Dashboard Analysis Map Format Server
Format SUM(SalesAmount)
Fields
Axis
Pane
Default
Font: Arial, 7pt
Alignment: Automatic
Numbers: £123,456
Totals
Font: Arial, 7pt
Alignment: Automatic
Numbers: £123,456
Grand Totals
Font: Arial, 7pt
Alignment: Automatic
Numbers: £123,456
Special Values (eg. NULL)
Text: (Blank)
Marks: Show at Indicat
Pages
Filters
Marks
Abc Automatic
Color
Size
Abc 123 Text
Detail
Tooltip
Abc 123 SUM(SalesAmount)

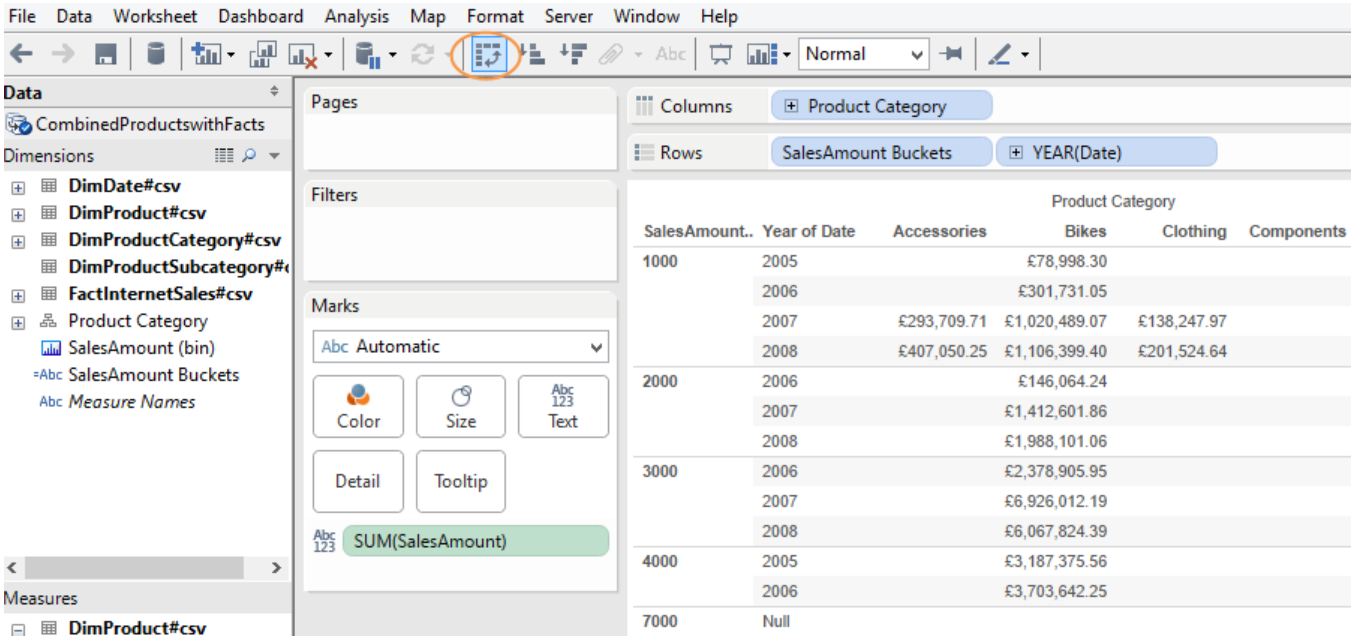

Marks
Abc Automatic
Color
Size
Abc 123 Text
Detail
Tooltip
Abc 123 SUM(SalesAmount)
Filter...
Show Quick Filter
Format...
Include in Tooltip
Dimension
Attribute
Measure (Sum)
Discrete
Continuous
Add Table Calculation...
Quick Table Calculation
Remove



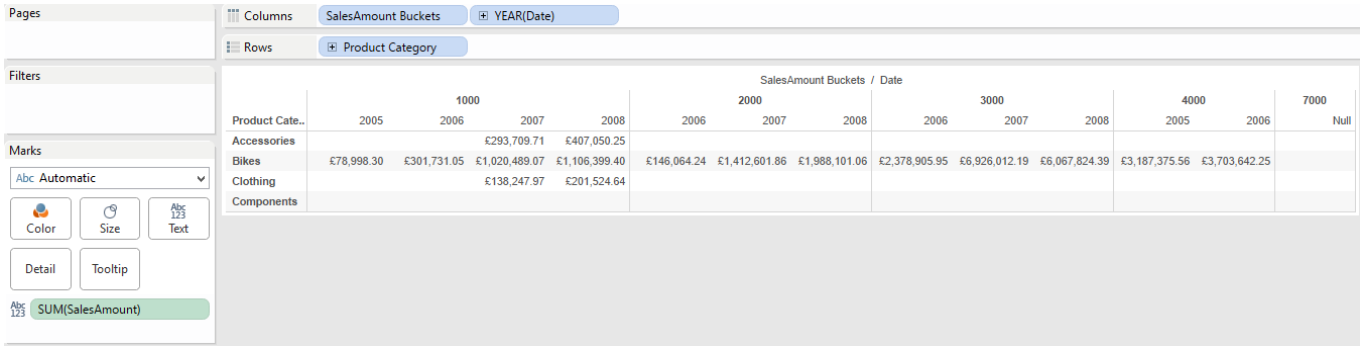
Bins Set Manually Table

SalesAmount..	Year of Date	Product Category: Accessories	Bikes	Clothing	Components
1000	2005		£78,998.30		
	2006		£301,731.05		
	2007	£293,709.71	£1,020,489.07	£138,247.97	
	2008	£407,050.25	£1,106,399.40	£201,524.64	
2000	2006		£146,064.24		
	2007		£1,412,601.86		
	2008		£1,988,101.06		
3000	2006		£2,378,905.95		
	2007		£6,926,012.19		
	2008		£6,067,824.39		
4000	2005		£3,187,375.56		
	2006		£3,703,642.25		
7000	Null				

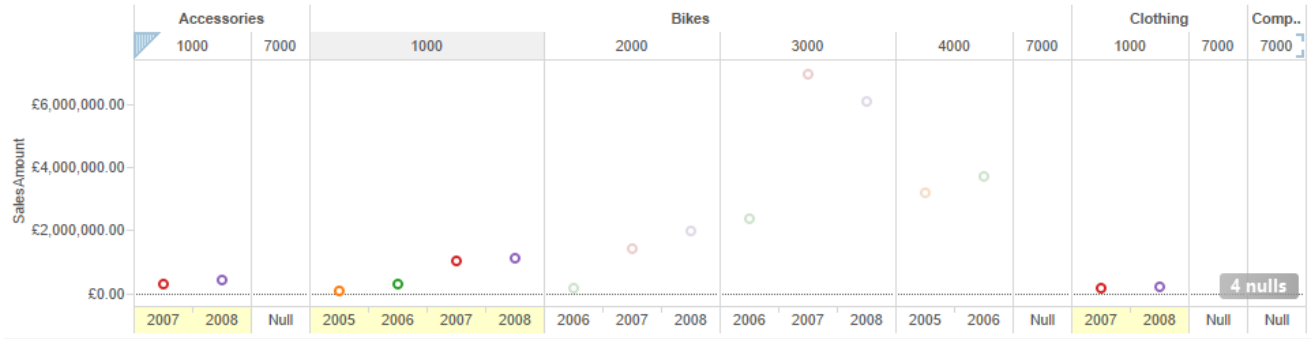


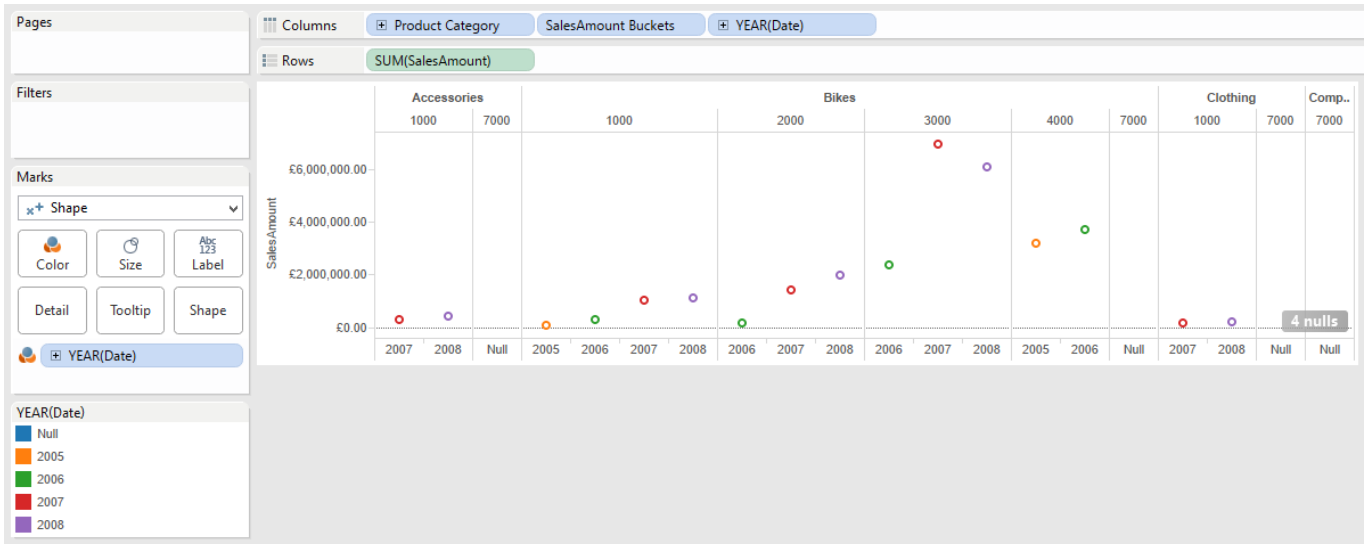


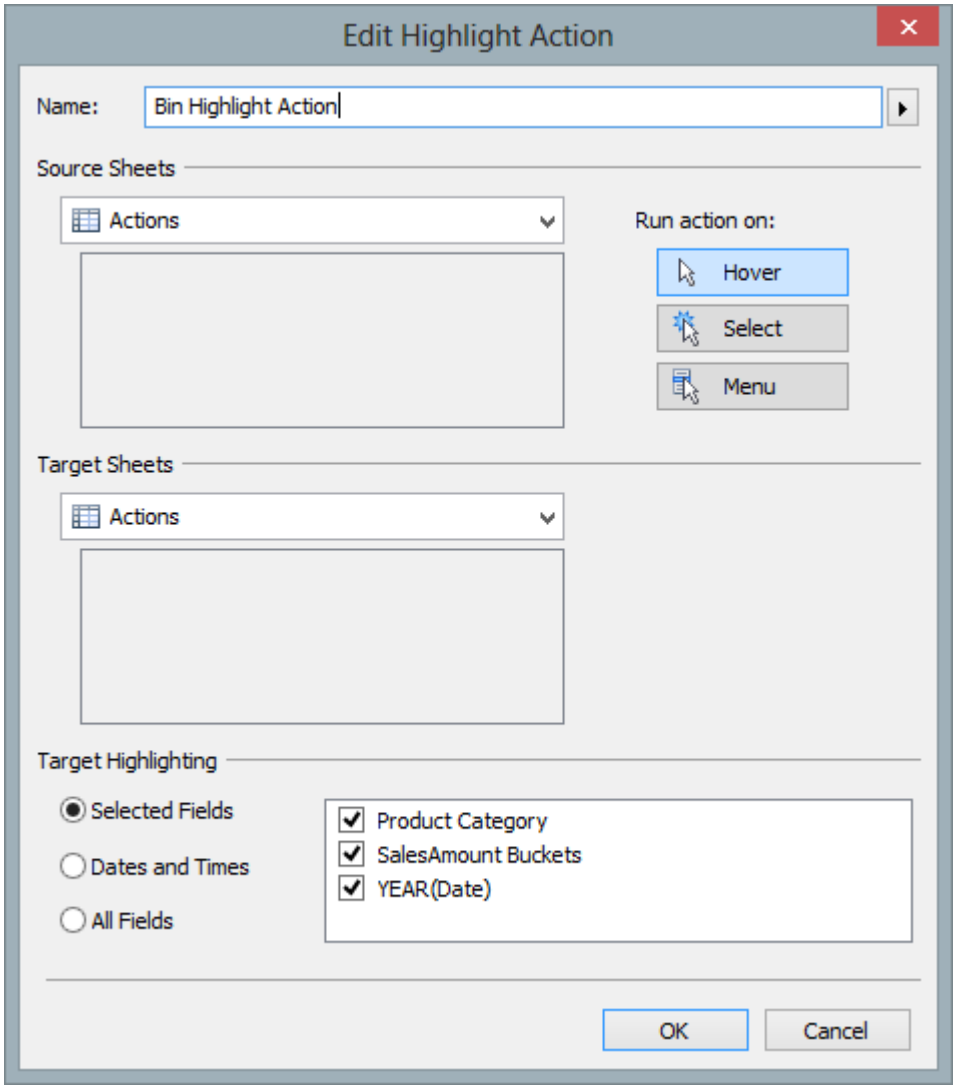
		Product Category			
SalesAmount..	Year of Date	Accessories	Bikes	Clothing	Components
1000	2005		£78,998.30		
	2006		£301,731.05		
	2007	£293,709.71	£1,020,489.07	£138,247.97	
	2008	£407,050.25	£1,106,399.40	£201,524.64	
2000	2006		£146,064.24		
	2007		£1,412,601.86		
	2008		£1,988,101.06		
3000	2006		£2,378,905.95		
	2007		£6,926,012.19		
	2008		£6,067,824.39		
4000	2005		£3,187,375.56		
	2006		£3,703,642.25		
7000	Null				

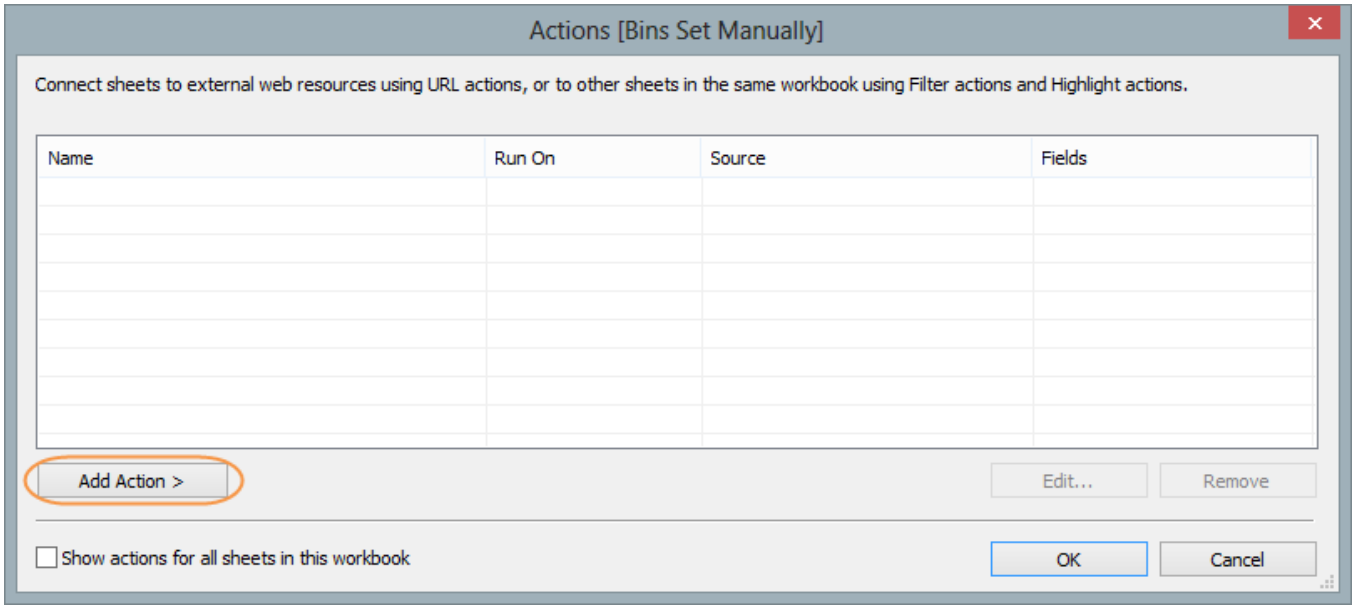


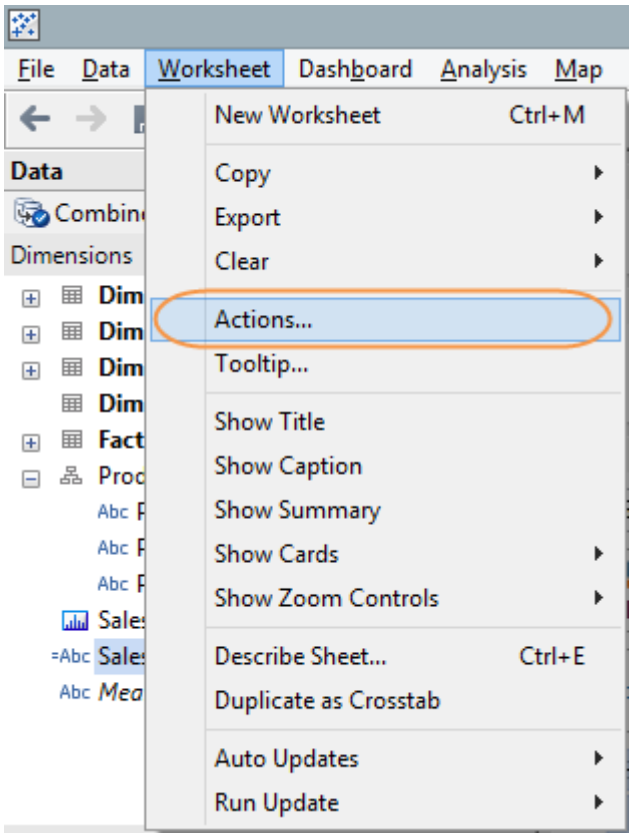
	SalesAmount Buckets / Date												
	1000				2000			3000			4000		7000
Product Cate..	2005	2006	2007	2008	2006	2007	2008	2006	2007	2008	2005	2006	Null
Accessories			£293,709.71	£407,050.25									
Bikes	£78,998.30	£301,731.05	£1,020,489.07	£1,106,399.40	£146,064.24	£1,412,601.86	£1,988,101.06	£2,378,905.95	£6,926,012.19	£6,067,824.39	£3,187,375.56	£3,703,642.25	
Clothing			£138,247.97	£201,524.64									
Components													

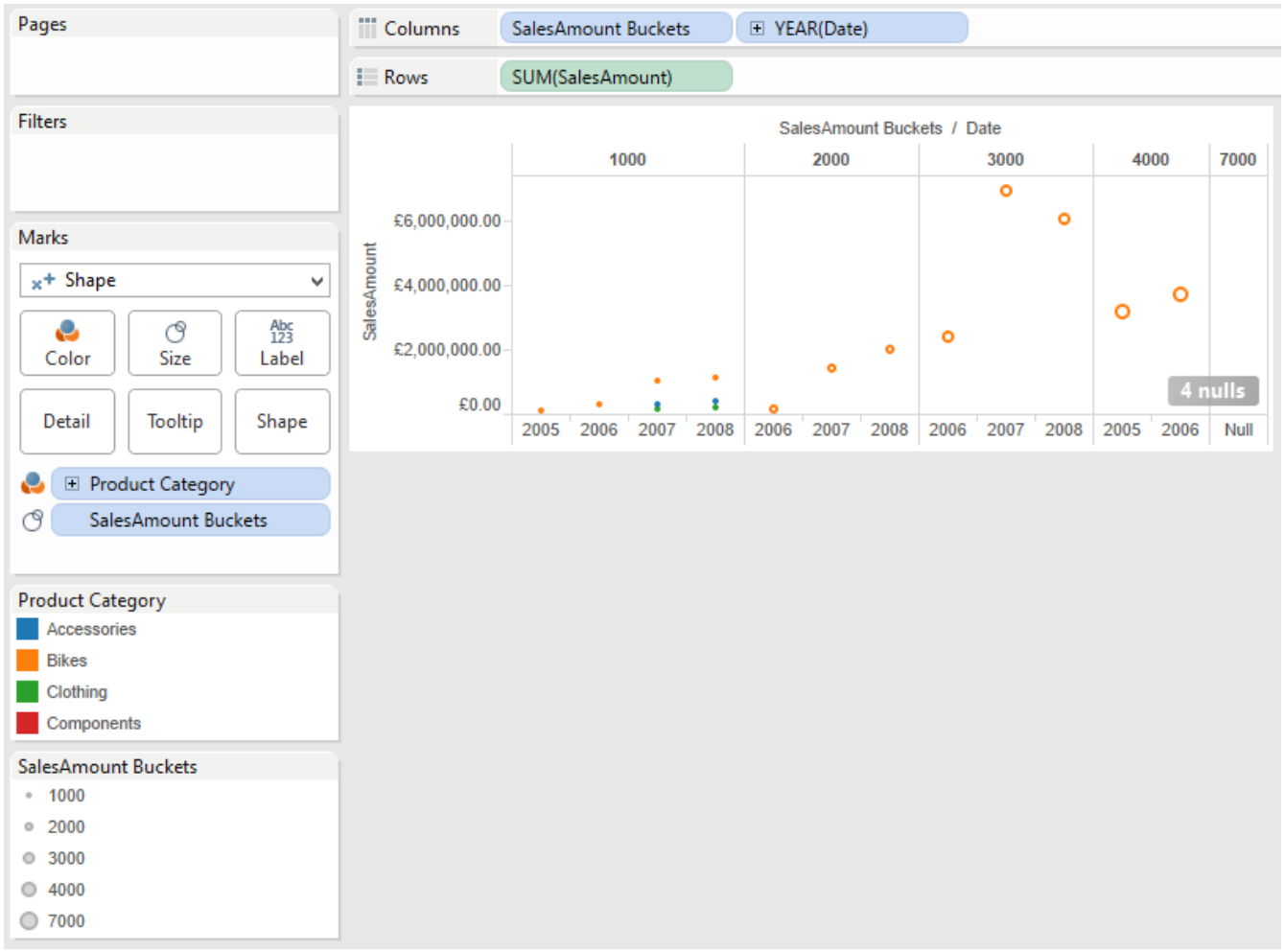


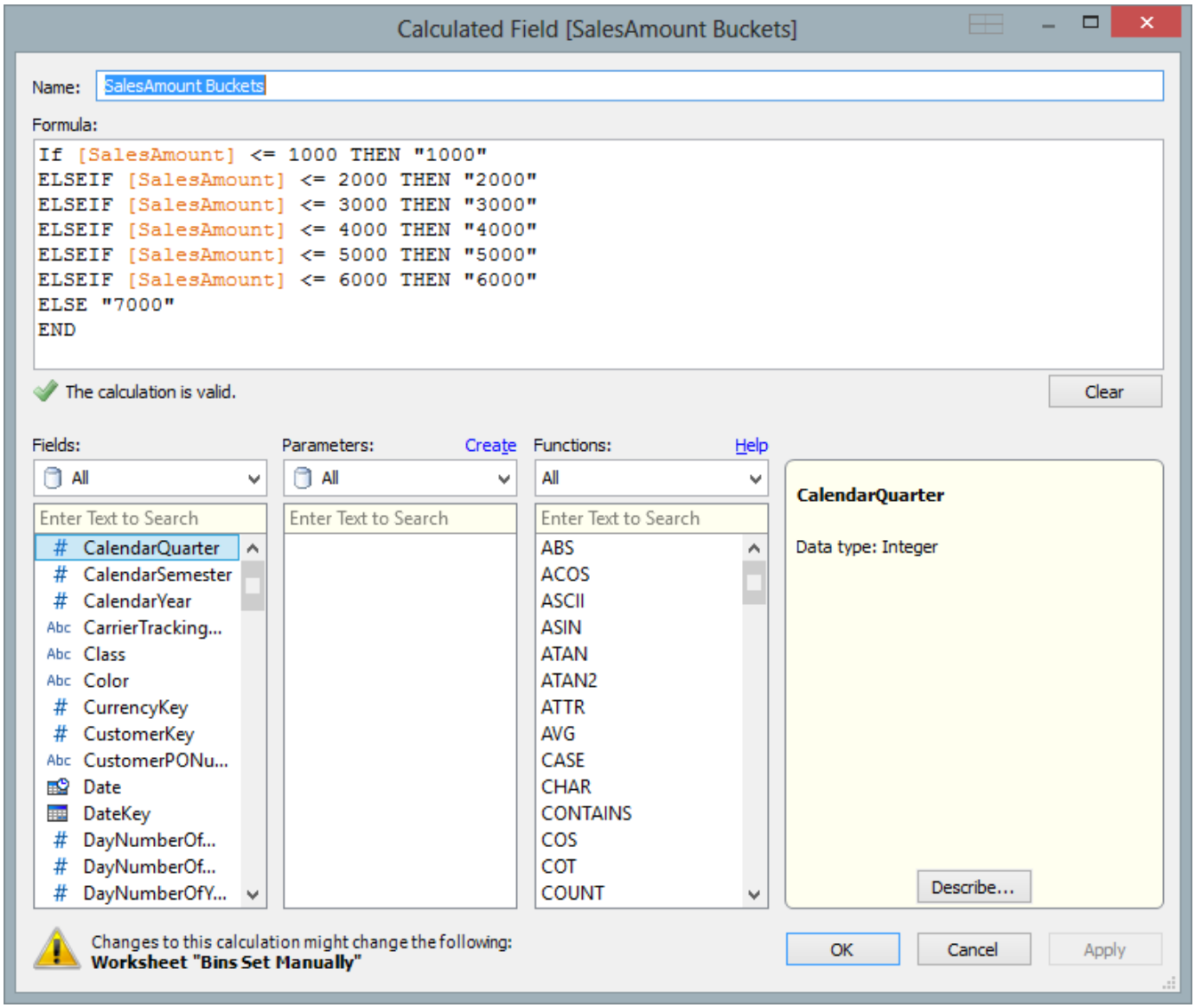

Pages
Filters
Marks
Shape
Color
Size
Label
Detail
Tooltip
Shape
YEAR(Date)
Columns
Product Category
SalesAmount Buckets
YEAR(Date)
Rows
SUM(SalesAmount)
Accessories
Bikes
Clothing
Comp..
1000
7000
2000
3000
4000
£6,000,000.00
£4,000,000.00
£2,000,000.00
£0.00
SalesAmount
4 nulls
2007
2008
Null
2005
2006
YEAR(Date)
Null
2005
2006
2007
2008

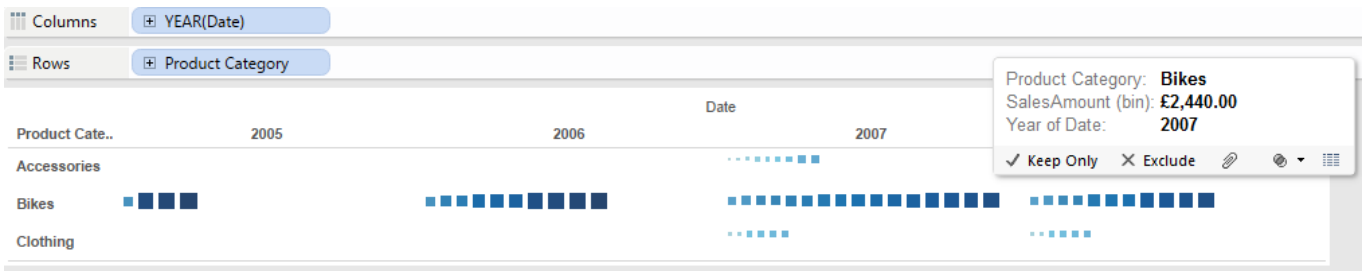

Edit Highlight Action
Name:
Bin Highlight Action
Source Sheets
Actions
Run action on:
Hover
Select
Menu
Target Sheets
Actions
Target Highlighting
Selected Fields
Dates and Times
All Fields
Product Category
SalesAmount Buckets
YEAR(Date)
OK
Cancel

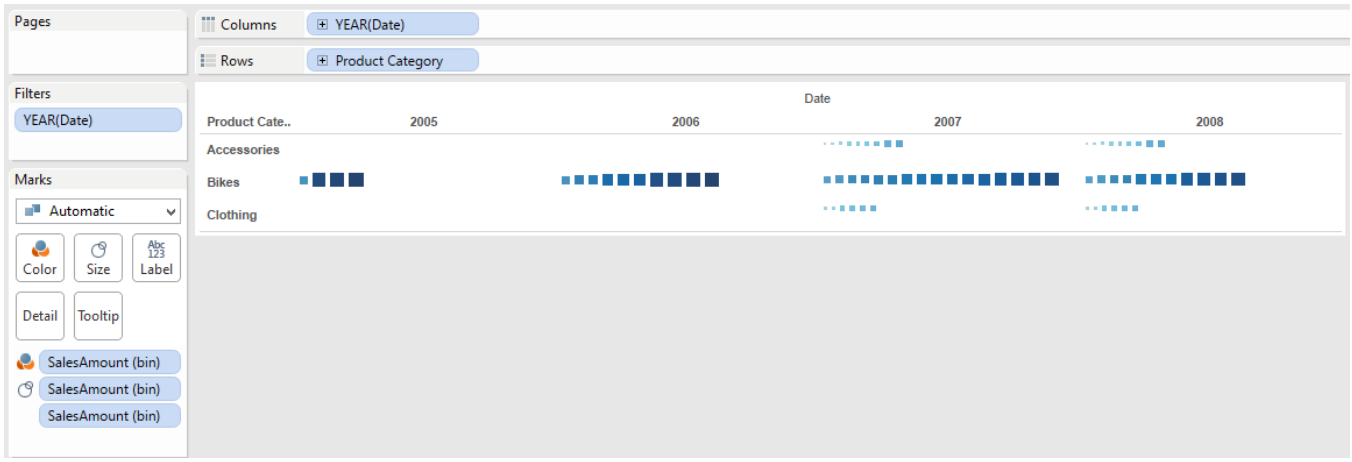

Actions [Bins Set Manually]
Connect sheets to external web resources using URL actions, or to other sheets in the same workbook using Filter actions and Highlight actions.
Name
Run On
Source
Fields
Add Action >
Edit...
Remove
Show actions for all sheets in this workbook
OK
Cancel

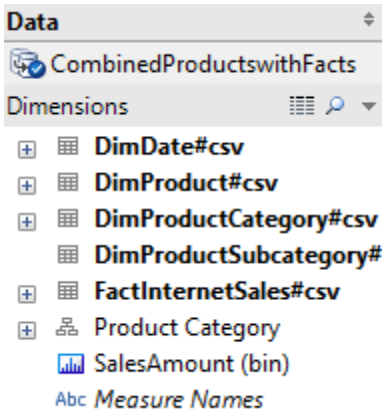

File
Data
Worksheet
Dashboard
Analysis
Map
New Worksheet Ctrl+M
Copy
Export
Clear
Actions...
Tooltip...
Show Title
Show Caption
Show Summary
Show Cards
Show Zoom Controls
Describe Sheet... Ctrl+E
Duplicate as Crosstab
Auto Updates
Run Update
Data
Dimensions

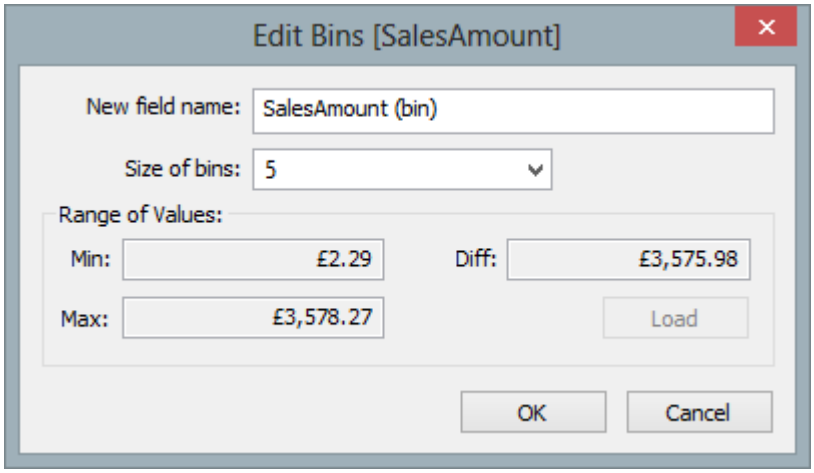

Pages
Filters
Marks
Shape
Color
Size
Label
Detail
Tooltip
Shape
Product Category
SalesAmount Buckets
Product Category
Accessories
Bikes
Clothing
Components
SalesAmount Buckets
1000
2000
3000
4000
7000
Columns
SalesAmount Buckets
YEAR(Date)
Rows
SUM(SalesAmount)
SalesAmount Buckets / Date
1000
2000
3000
4000
7000
SalesAmount
£6,000,000.00
£4,000,000.00
£2,000,000.00
£0.00
4 nulls
2005
2006
2007
2008
2006
2007
2008
2006
2007
2008
2005
2006
Null

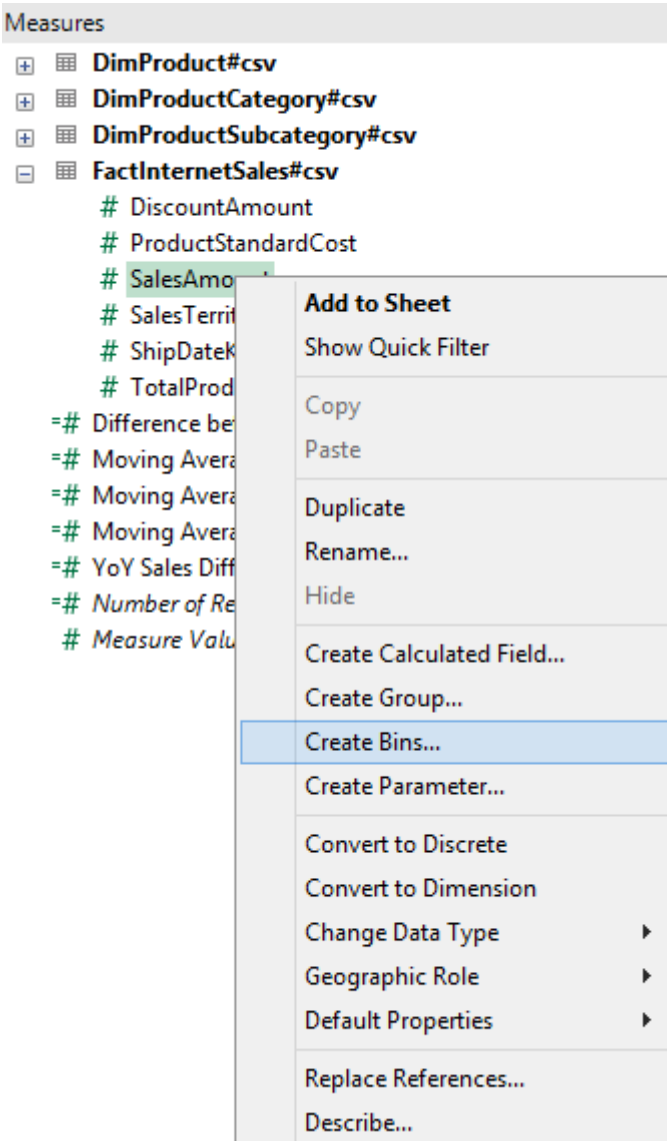

Calculated Field [SalesAmount Buckets]
Name: SalesAmount Buckets
Formula:
If [SalesAmount] <= 1000 THEN "1000"
ELSEIF [SalesAmount] <= 2000 THEN "2000"
ELSEIF [SalesAmount] <= 3000 THEN "3000"
ELSEIF [SalesAmount] <= 4000 THEN "4000"
ELSEIF [SalesAmount] <= 5000 THEN "5000"
ELSEIF [SalesAmount] <= 6000 THEN "6000"
ELSE "7000"
END
The calculation is valid.
Clear
Fields:
Parameters:
Create
Functions:
Help
All
Enter Text to Search
CalendarQuarter
CalendarSemester
CalendarYear
CarrierTracking...
Class
Color
CurrencyKey
CustomerKey
CustomerPONu...
Date
DateKey
DayNumberOf...
DayNumberOf...
DayNumberOfY...
ABS
ACOS
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG
CASE
CHAR
CONTAINS
COS
COT
COUNT
CalendarQuarter
Data type: Integer
Describe...
Changes to this calculation might change the following:
Worksheet "Bins Set Manually"
OK
Cancel
Apply

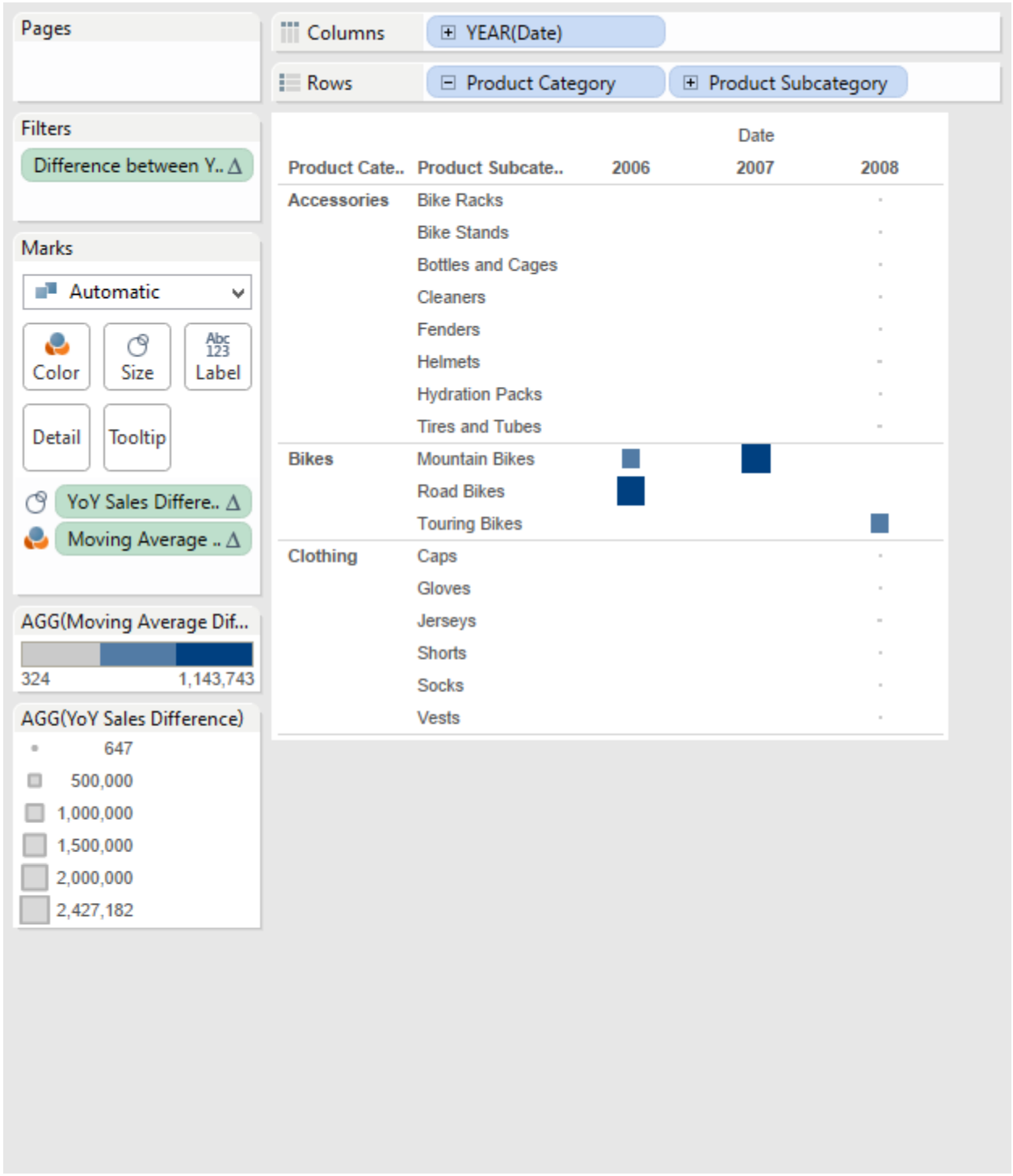

Columns
YEAR(Date)
Rows
Product Category
Date
Product Cate..
2005
2006
2007
Accessories
Bikes
Clothing
Product Category: Bikes
SalesAmount (bin): £2,440.00
Year of Date: 2007
Keep Only
Exclude

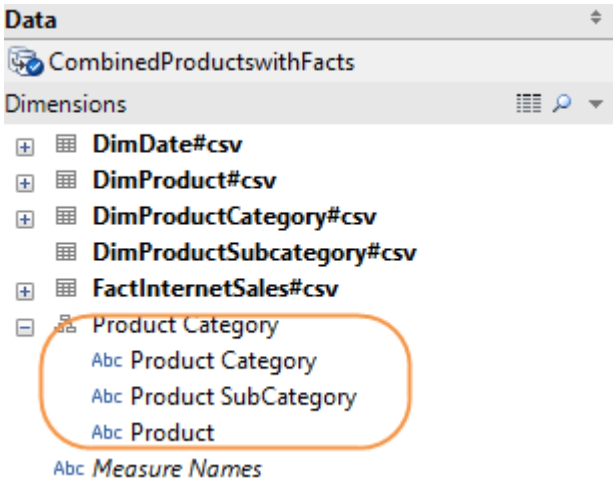

Pages
Columns
YEAR(Date)
Rows
Product Category
Filters
YEAR(Date)
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SalesAmount (bin)
SalesAmount (bin)
SalesAmount (bin)
Date
Product Cate..
2005
2006
2007
2008
Accessories
Bikes
Clothing

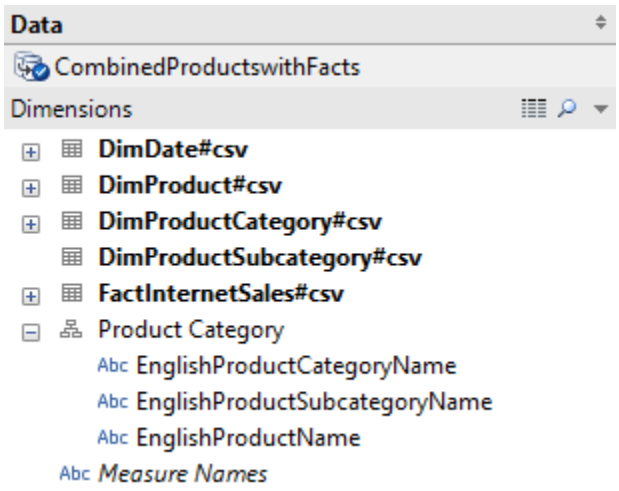

Data
CombinedProductswithFacts
Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#
FactInternetSales#csv
Product Category
SalesAmount (bin)
Measure Names

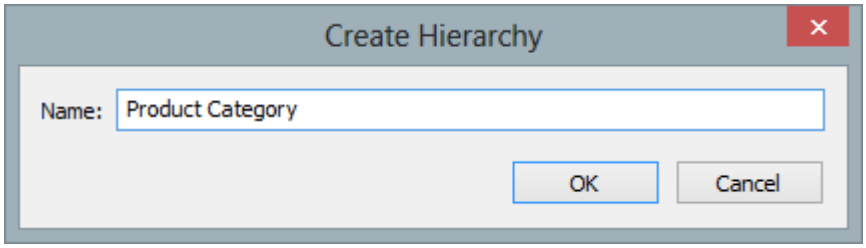

Edit Bins [SalesAmount]
New field name:
SalesAmount (bin)
Size of bins:
5
Range of Values:
Min:
£2.29
Diff:
£3,575.98
Max:
£3,578.27
Load
OK
Cancel

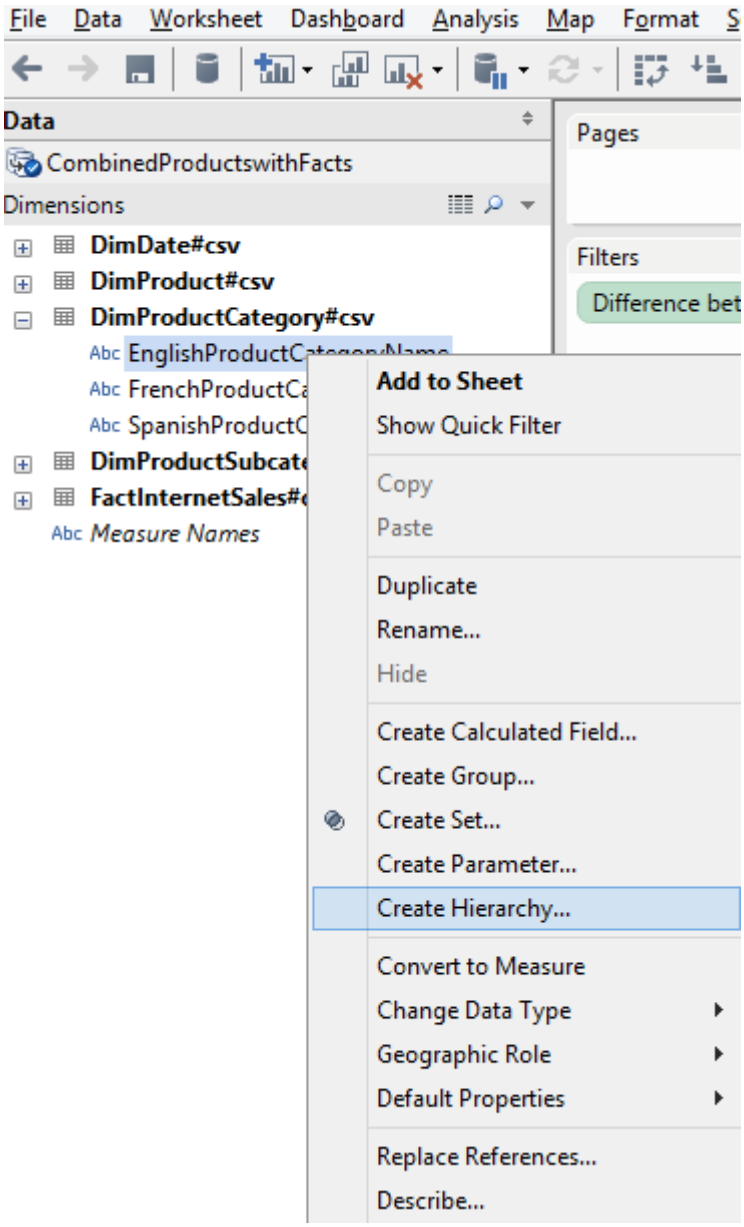

Measures
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#csv
FactInternetSales#csv
DiscountAmount
ProductStandardCost
SalesAmo
SalesTerrit
ShipDateK
TotalProd
Difference be
Moving Avera
Moving Avera
Moving Avera
YoY Sales Diff
Number of Re
Measure Valu
Add to Sheet
Show Quick Filter
Copy
Paste
Duplicate
Rename...
Hide
Create Calculated Field...
Create Group...
Create Bins...
Create Parameter...
Convert to Discrete
Convert to Dimension
Change Data Type
Geographic Role
Default Properties
Replace References...
Describe...

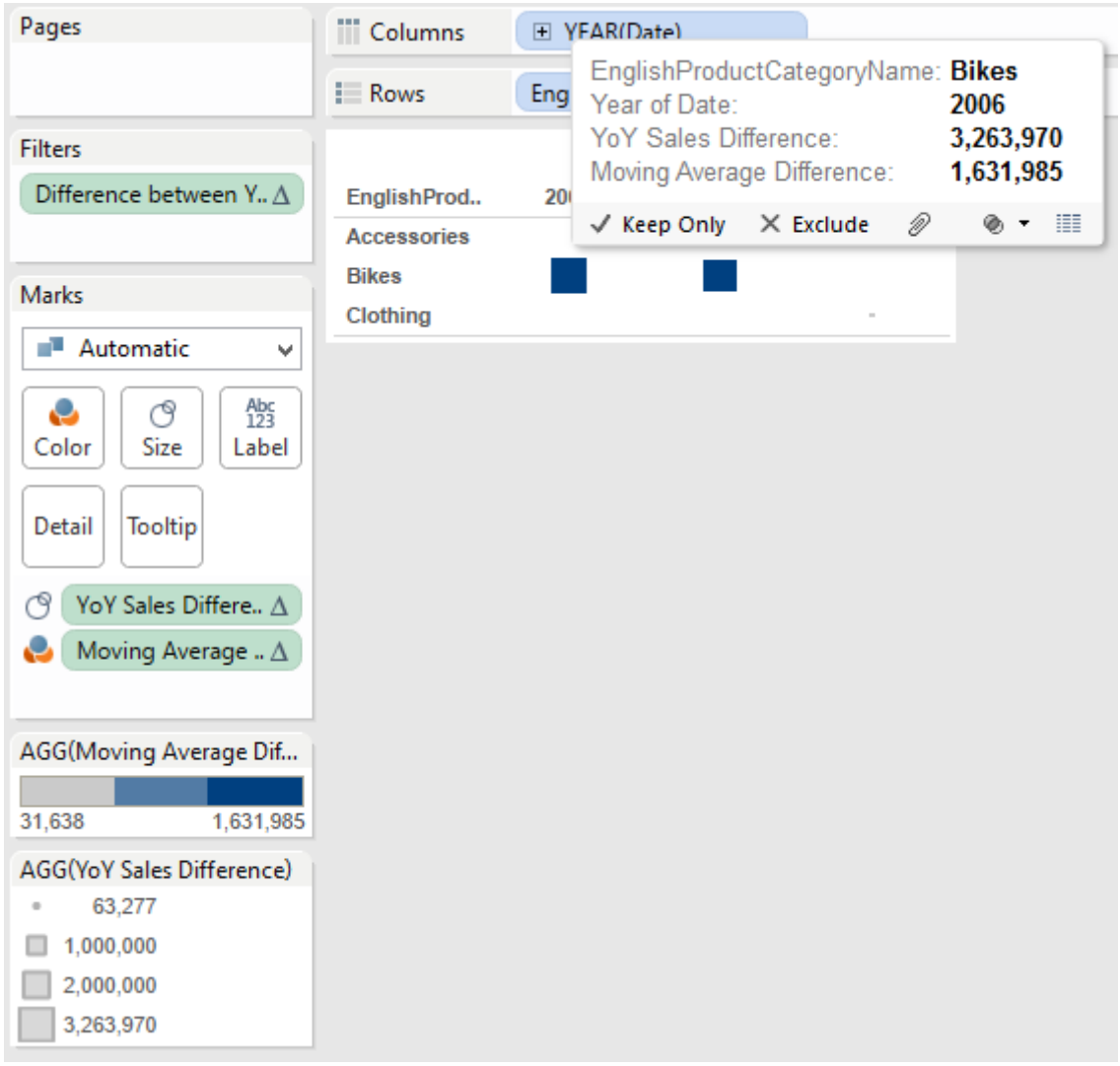

Pages
Columns
YEAR(Date)
Rows
Product Category
Product Subcategory
Filters
Difference between Y.. Δ
Marks
Automatic
Color
Size
Label
Detail
Tooltip
YoY Sales Differe.. Δ
Moving Average .. Δ
AGG(Moving Average Dif...
324
1,143,743
AGG(YoY Sales Difference)
647
500,000
1,000,000
1,500,000
2,000,000
2,427,182
Date
Product Cate..
Product Subcate..
2006
2007
2008
Accessories
Bike Racks
Bike Stands
Bottles and Cages
Cleaners
Fenders
Helmets
Hydration Packs
Tires and Tubes
Bikes
Mountain Bikes
Road Bikes
Touring Bikes
Clothing
Caps
Gloves
Jerseys
Shorts
Socks
Vests

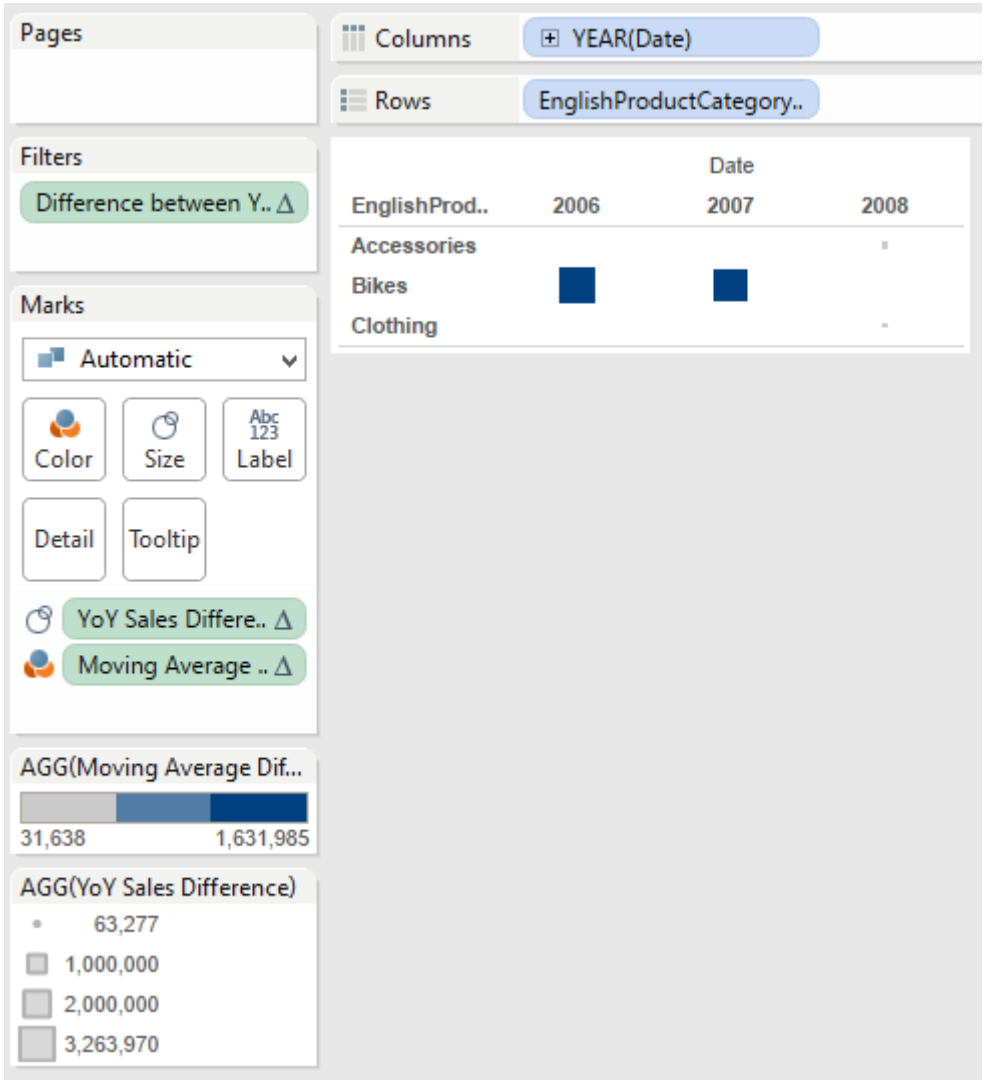

Data
CombinedProductswithFacts
Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#csv
FactInternetSales#csv
Product Category
Product Category
Product SubCategory
Product
Measure Names

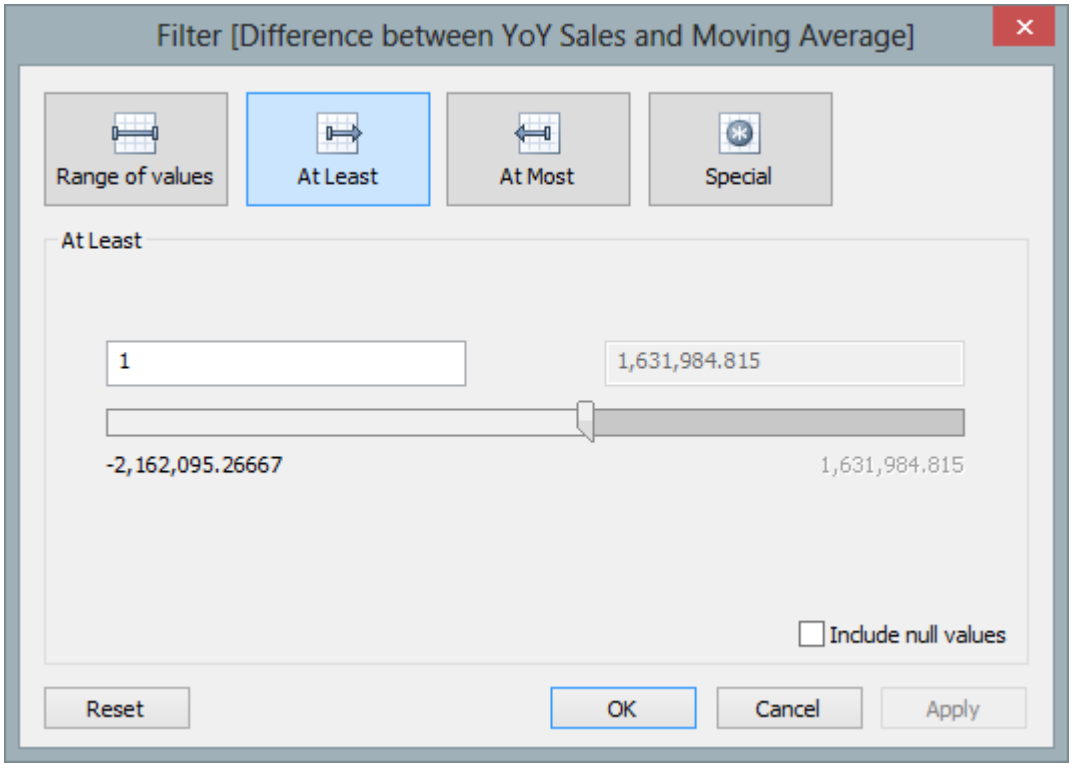

Data
CombinedProductswithFacts
Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#csv
FactInternetSales#csv
Product Category
EnglishProductCategoryName
EnglishProductSubcategoryName
EnglishProductName
Measure Names


Create Hierarchy
Name:
Product Category
OK
Cancel


File Data Worksheet Dashboard Analysis Map Format S
Data
CombinedProductswithFacts
Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
Abc EnglishProductCategoryName
Abc FrenchProductCa
Abc SpanishProductC
DimProductSubcate
FactInternetSales#
Abc Measure Names
Pages
Filters
Difference bet
Add to Sheet
Show Quick Filter
Copy
Paste
Duplicate
Rename...
Hide
Create Calculated Field...
Create Group...
Create Set...
Create Parameter...
Create Hierarchy...
Convert to Measure
Change Data Type
Geographic Role
Default Properties
Replace References...
Describe...


Pages
Columns
YEAR(Date)
Rows
Eng
EnglishProductCategoryName: Bikes
Year of Date: 2006
YoY Sales Difference: 3,263,970
Moving Average Difference: 1,631,985
Keep Only
Exclude
Filters
Difference between Y.. Δ
EnglishProd..
Accessories
Bikes
Clothing
Marks
Automatic
Color
Size
Label
Detail
Tooltip
YoY Sales Differe.. Δ
Moving Average .. Δ
AGG(Moving Average Dif...
31,638
1,631,985
AGG(YoY Sales Difference)
63,277
1,000,000
2,000,000
3,263,970


Pages
Columns
YEAR(Date)
Rows
EnglishProductCategory..
Filters
Difference between Y.. Δ
Marks
Automatic
Color
Size
Label
Detail
Tooltip
YoY Sales Differe.. Δ
Moving Average .. Δ
AGG(Moving Average Dif...
31,638
1,631,985
AGG(YoY Sales Difference)
63,277
1,000,000
2,000,000
3,263,970
Date
EnglishProd..
2006
2007
2008
Accessories
Bikes
Clothing



Pages

Columns: YEAR(Date)

Rows: EnglishProductCategory.., Measure Names

Filters: Measure Names

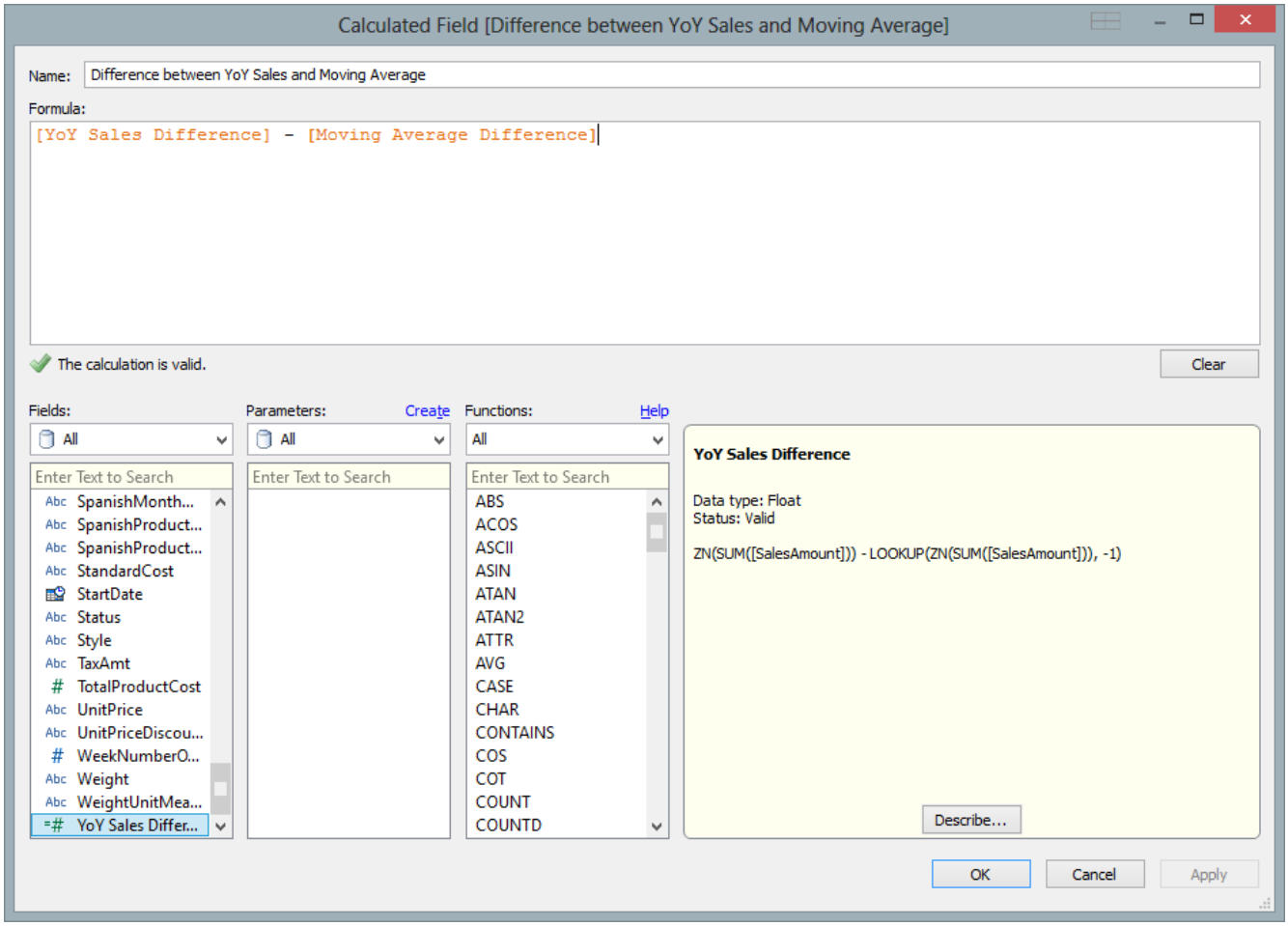
Marks: Automatic

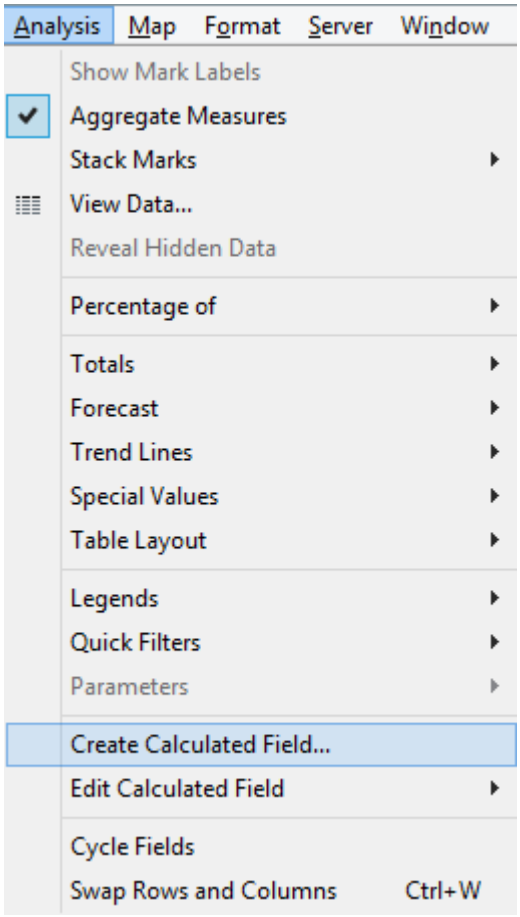
Color | Size | Text | Detail | Tooltip

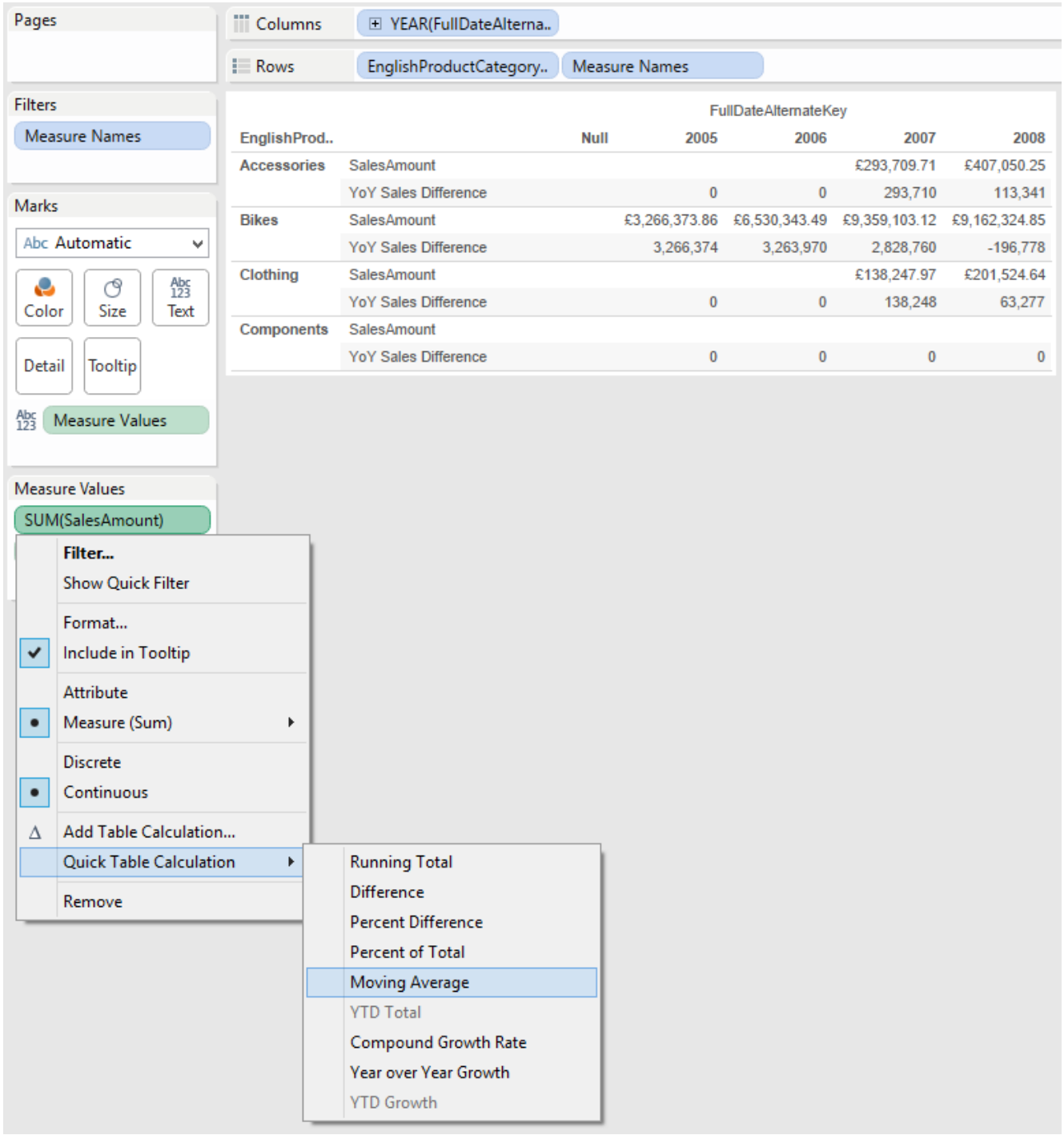
Measure Values

Measure Values: YoY Sales Difference, Moving Average Diffe.., Difference between Y..

EnglishProd..		Date			
		Null	2005	2006	2007	2008
Accessories	YoY Sales Difference along Year of Date		0	0	293,710	113,341
	Moving Average Difference along Year of Date		0	0	293,710	56,670
	Difference between YoY Sales and Moving Average along Year of Date		0	0	0	56,670
Bikes	YoY Sales Difference along Year of Date		3,266,374	3,263,970	2,828,760	-196,778
	Moving Average Difference along Year of Date		3,266,374	1,631,985	1,486,915	1,965,317
	Difference between YoY Sales and Moving Average along Year of Date		0	1,631,985	1,341,845	-2,162,095
Clothing	YoY Sales Difference along Year of Date		0	0	138,248	63,277
	Moving Average Difference along Year of Date		0	0	138,248	31,638
	Difference between YoY Sales and Moving Average along Year of Date		0	0	0	31,638
Components	YoY Sales Difference along Year of Date		0	0	0	0
	Moving Average Difference along Year of Date		0	0	0	0
	Difference between YoY Sales and Moving Average along Year of Date		0	0	0	0


Calculated Field [Difference between YoY Sales and Moving Average]
Name: Difference between YoY Sales and Moving Average
Formula:
[YoY Sales Difference] - [Moving Average Difference]
The calculation is valid.
Clear
Fields:
All
Enter Text to Search
Abc SpanishMonth...
Abc SpanishProduct...
Abc SpanishProduct...
Abc StandardCost
StartDate
Abc Status
Abc Style
Abc TaxAmt
TotalProductCost
Abc UnitPrice
Abc UnitPriceDiscou...
WeekNumberO...
Abc Weight
Abc WeightUnitMea...
=# YoY Sales Differ...
Parameters:
Create
All
Enter Text to Search
Functions:
Help
All
Enter Text to Search
ABS
ACOS
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG
CASE
CHAR
CONTAINS
COS
COT
COUNT
COUNTD
YoY Sales Difference
Data type: Float
Status: Valid
ZN(SUM([SalesAmount])) - LOOKUP(ZN(SUM([SalesAmount])), -1)
Describe...
OK
Cancel
Apply


Analysis
Map
Format
Server
Window
Show Mark Labels
Aggregate Measures
Stack Marks
View Data...
Reveal Hidden Data
Percentage of
Totals
Forecast
Trend Lines
Special Values
Table Layout
Legends
Quick Filters
Parameters
Create Calculated Field...
Edit Calculated Field
Cycle Fields
Swap Rows and Columns
Ctrl+W



		FullDateAlternateKey			
EnglishProd..	Null	2005	2006	2007	2008
Accessories	SalesAmount			£293,709.71	£407,050.25
	YoY Sales Difference	0	0	293,710	113,341
Bikes	SalesAmount	£3,266,373.86	£6,530,343.49	£9,359,103.12	£9,162,324.85
	YoY Sales Difference	3,266,374	3,263,970	2,828,760	-196,778
Clothing	SalesAmount			£138,247.97	£201,524.64
	YoY Sales Difference	0	0	138,248	63,277
Components	SalesAmount				
	YoY Sales Difference	0	0	0	0

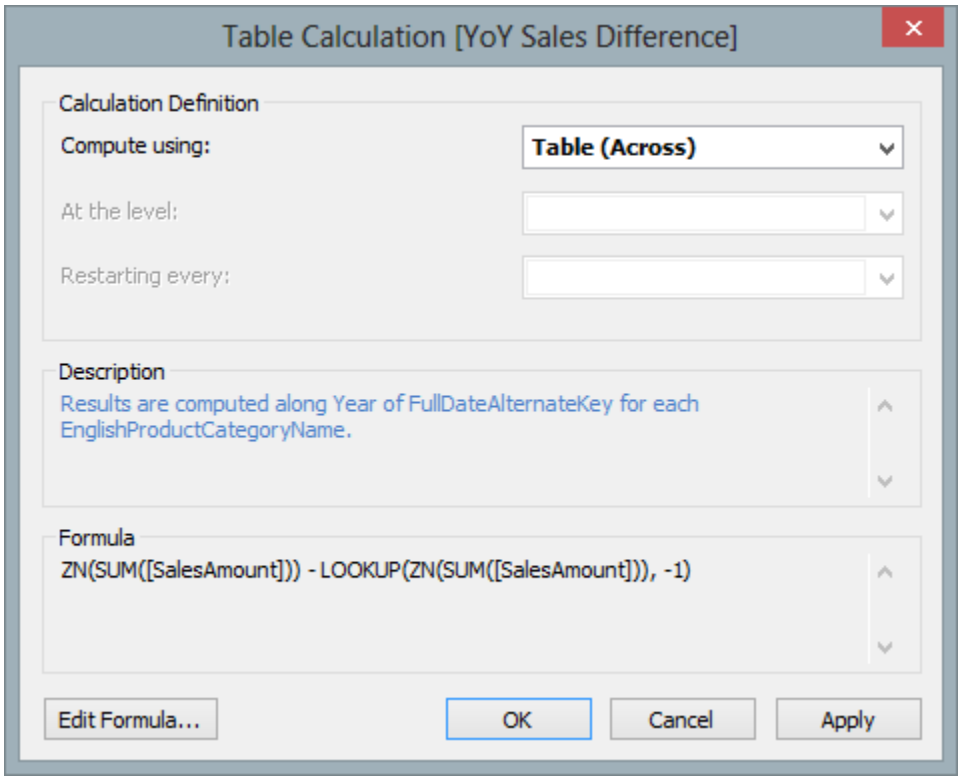
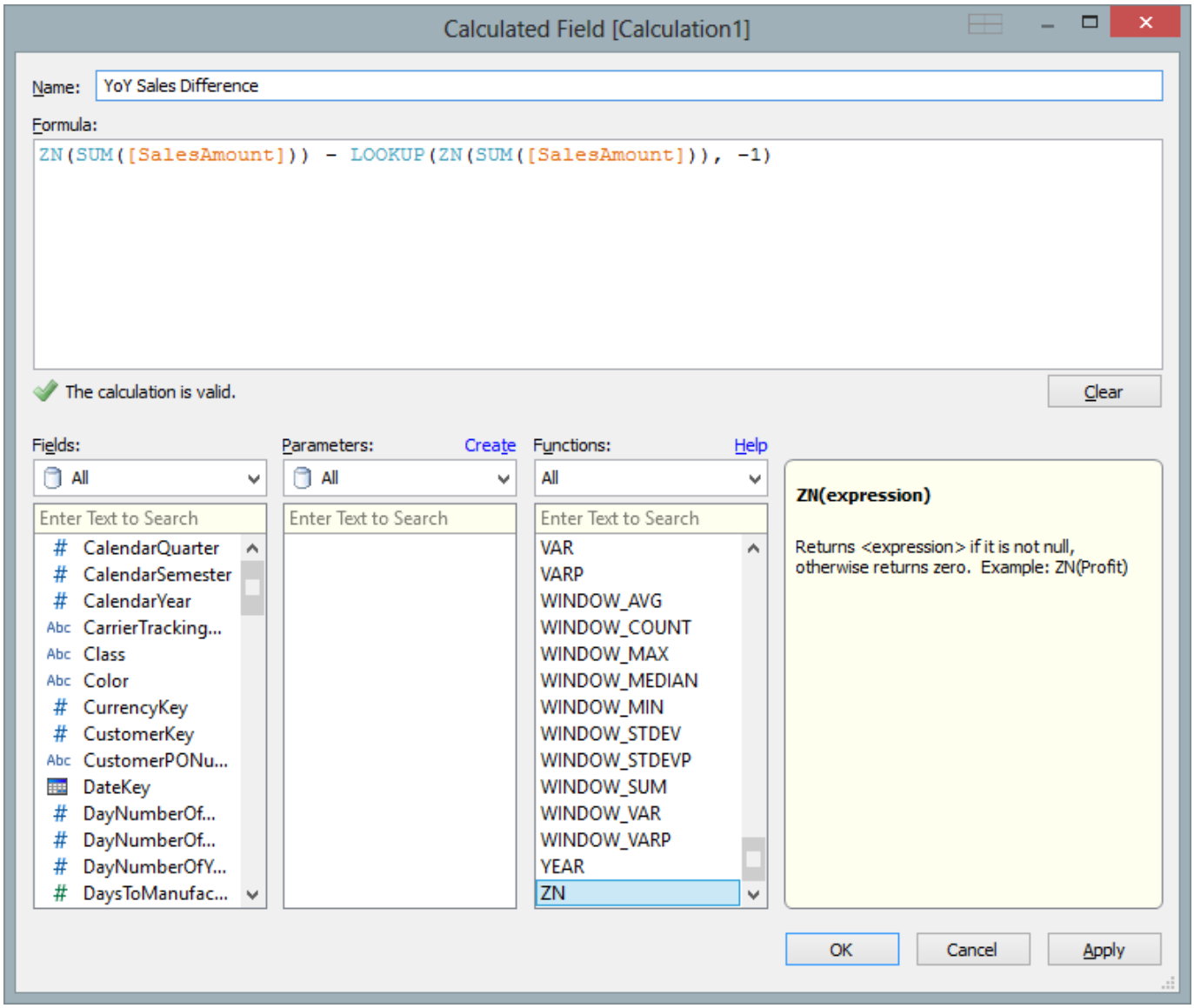


Table Calculation [YoY Sales Difference]
Calculation Definition
Compute using:
Table (Across)
At the level:
Restarting every:
Description
Results are computed along Year of FullDateAlternateKey for each EnglishProductCategoryName.
Formula
ZN(SUM([SalesAmount])) - LOOKUP(ZN(SUM([SalesAmount])), -1)
Edit Formula...
OK
Cancel
Apply


Calculated Field [Calculation1]
Name: YoY Sales Difference
Formula:
ZN(SUM([SalesAmount])) - LOOKUP(ZN(SUM([SalesAmount])), -1)
The calculation is valid.
Clear
Fields:
Parameters:
Create
Functions:
Help
All
All
All
Enter Text to Search
Enter Text to Search
Enter Text to Search
CalendarQuarter
CalendarSemester
CalendarYear
Abc CarrierTracking...
Abc Class
Abc Color
CurrencyKey
CustomerKey
Abc CustomerPONu...
DateKey
DayNumberOf...
DayNumberOf...
DayNumberOfY...
DaysToManufac...
VAR
VARP
WINDOW_AVG
WINDOW_COUNT
WINDOW_MAX
WINDOW_MEDIAN
WINDOW_MIN
WINDOW_STDEV
WINDOW_STDEVP
WINDOW_SUM
WINDOW_VAR
WINDOW_VARP
YEAR
ZN
ZN(expression)
Returns <expression> if it is not null, otherwise returns zero. Example: ZN(Profit)
OK
Cancel
Apply

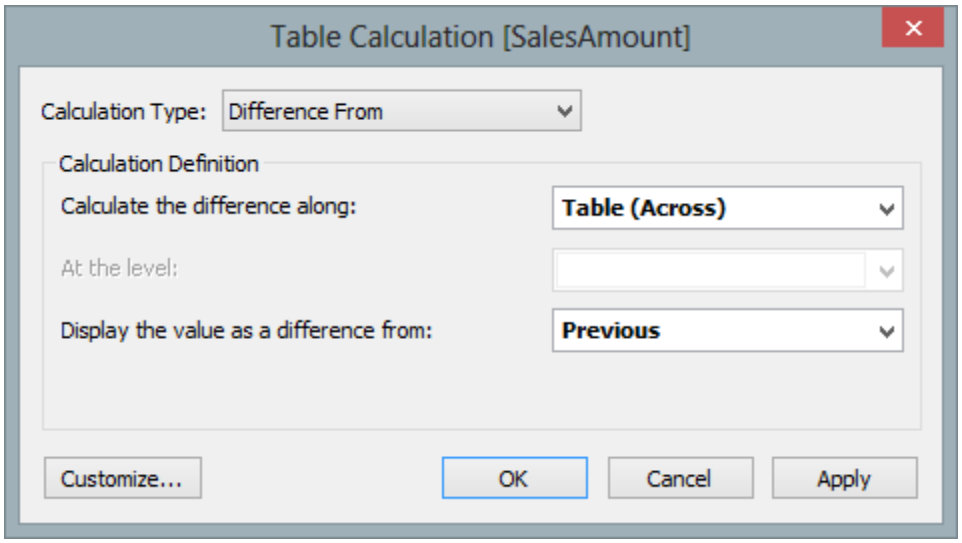
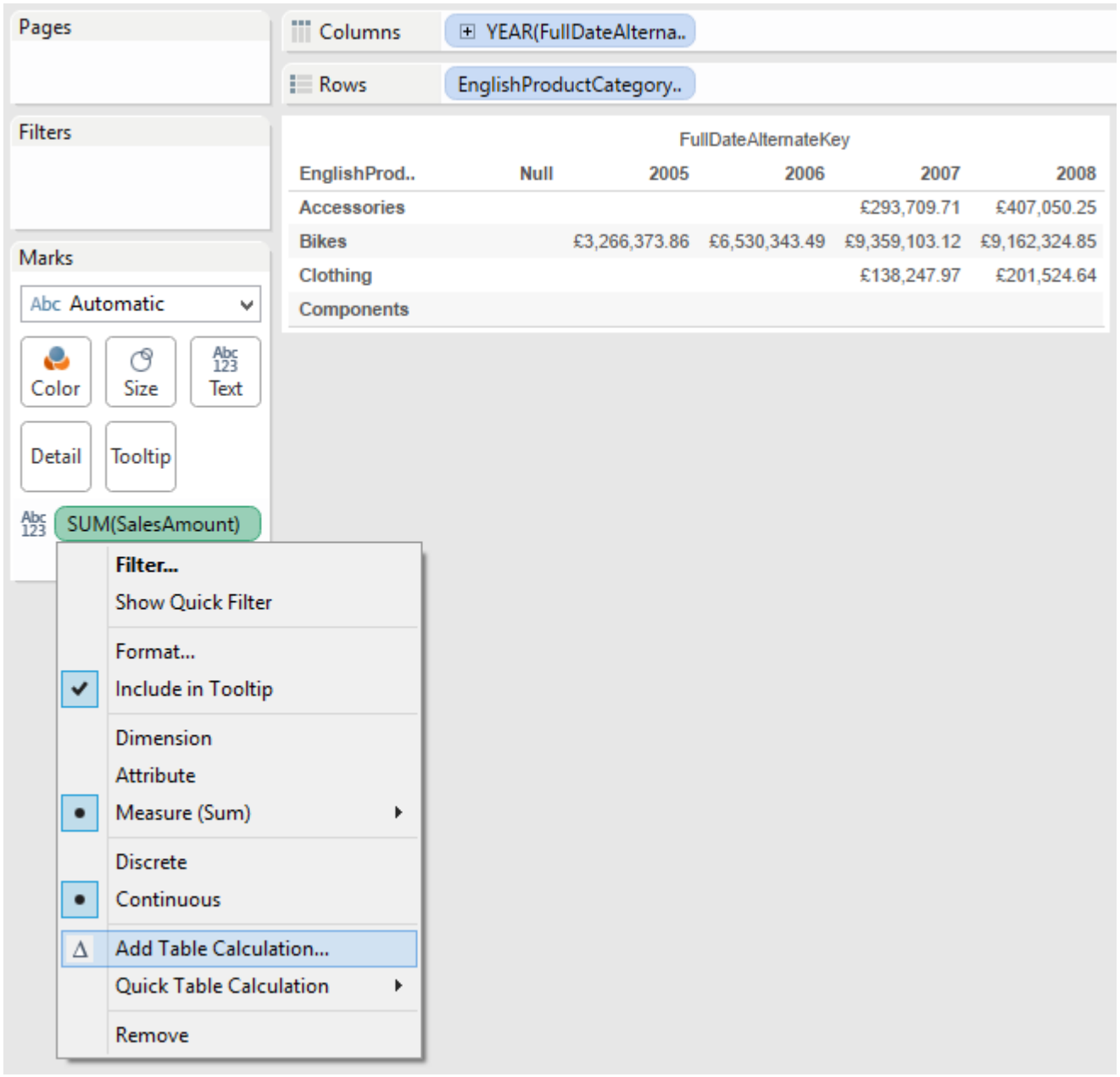
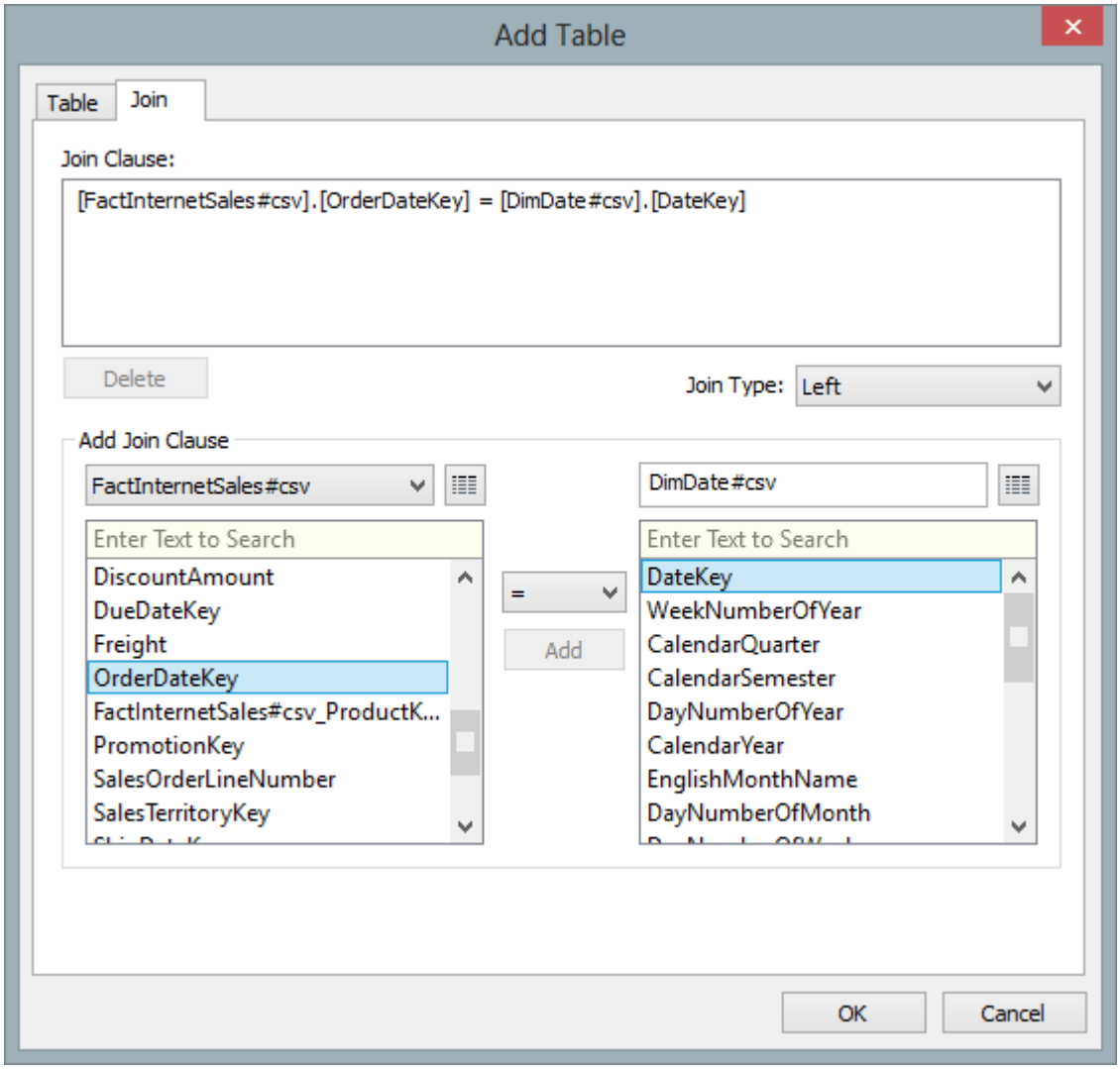


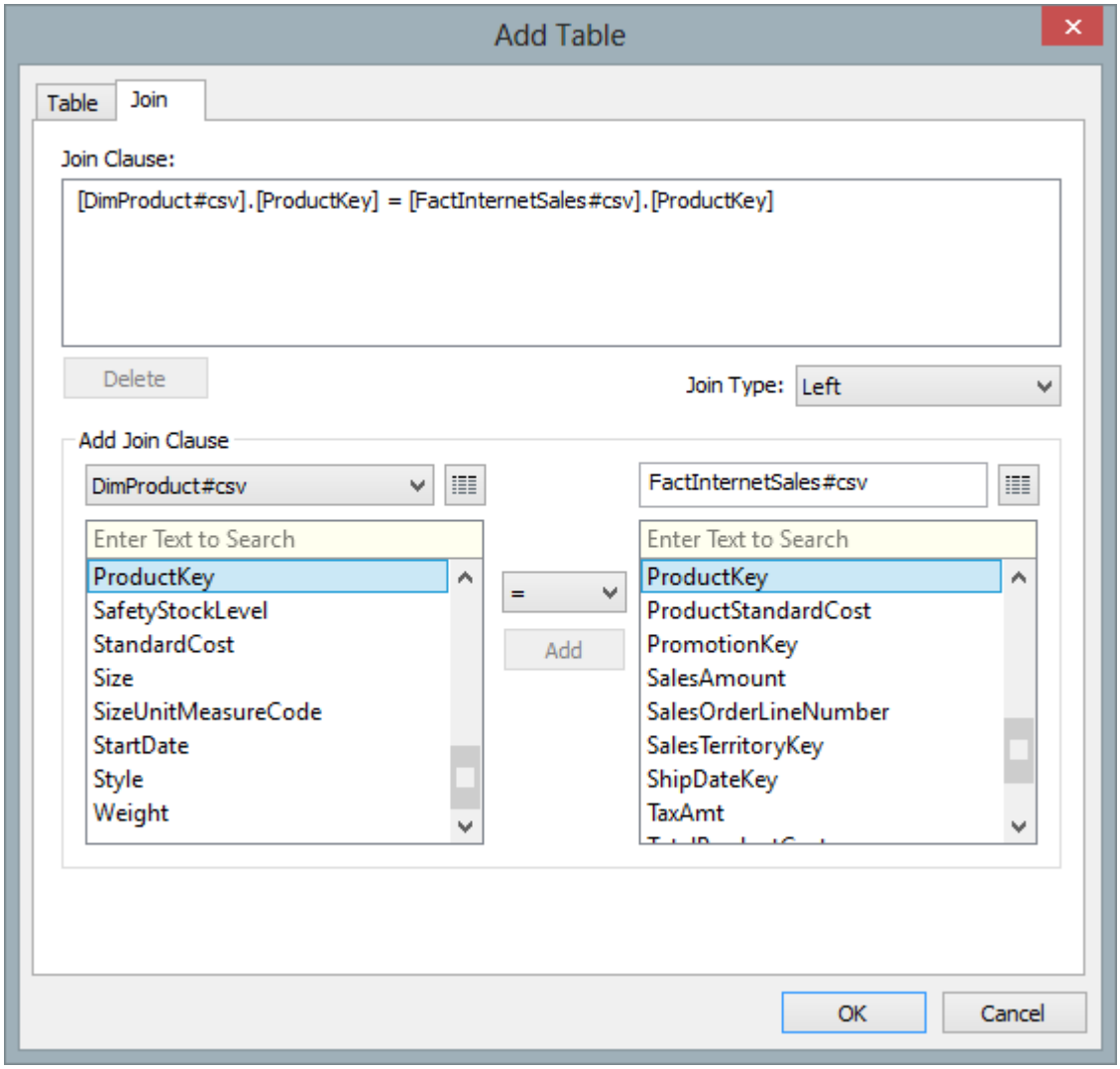
Table Calculation [SalesAmount]
Calculation Type: Difference From
Calculation Definition
Calculate the difference along: Table (Across)
At the level:
Display the value as a difference from: Previous
Customize...
OK
Cancel
Apply

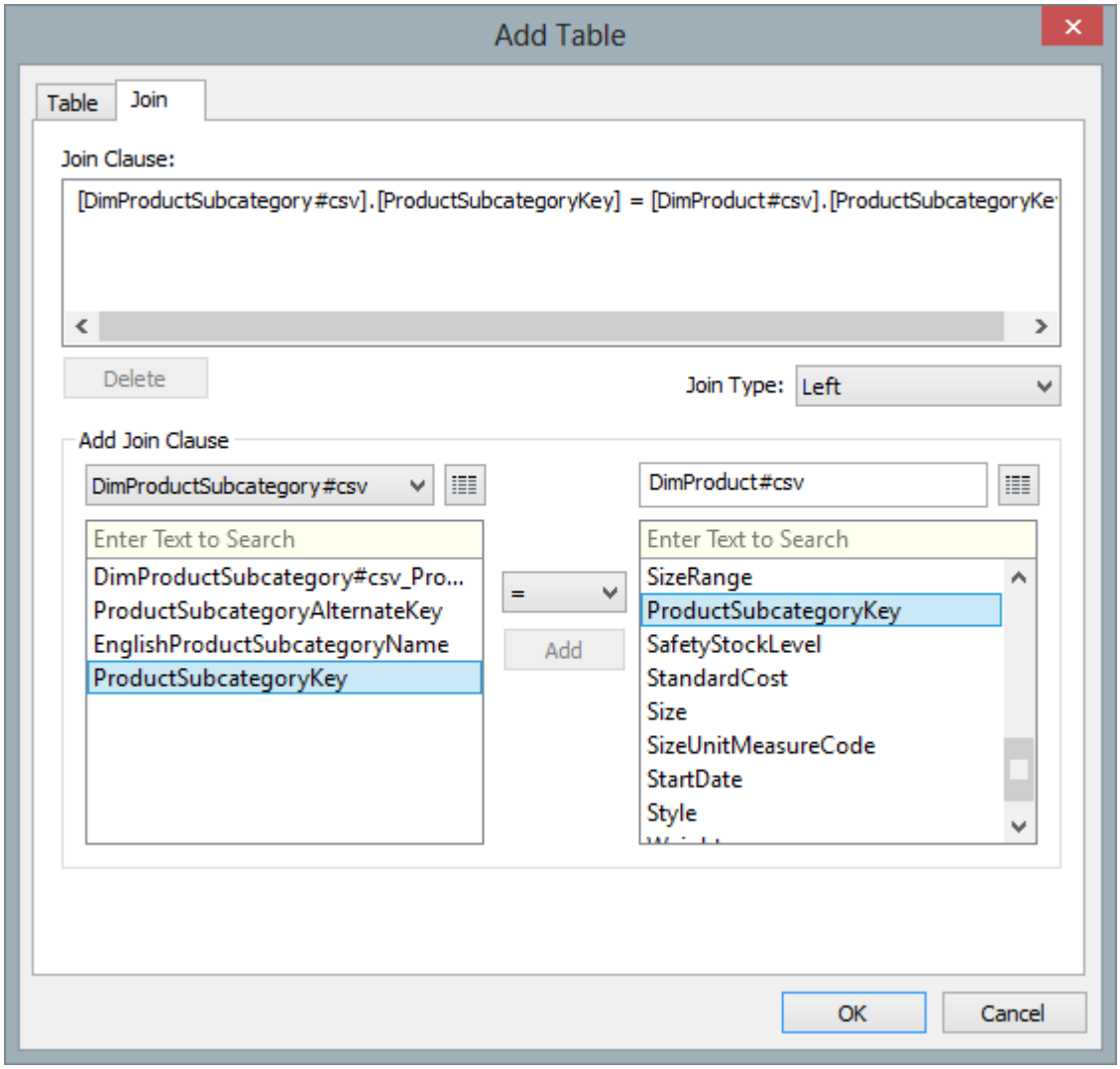


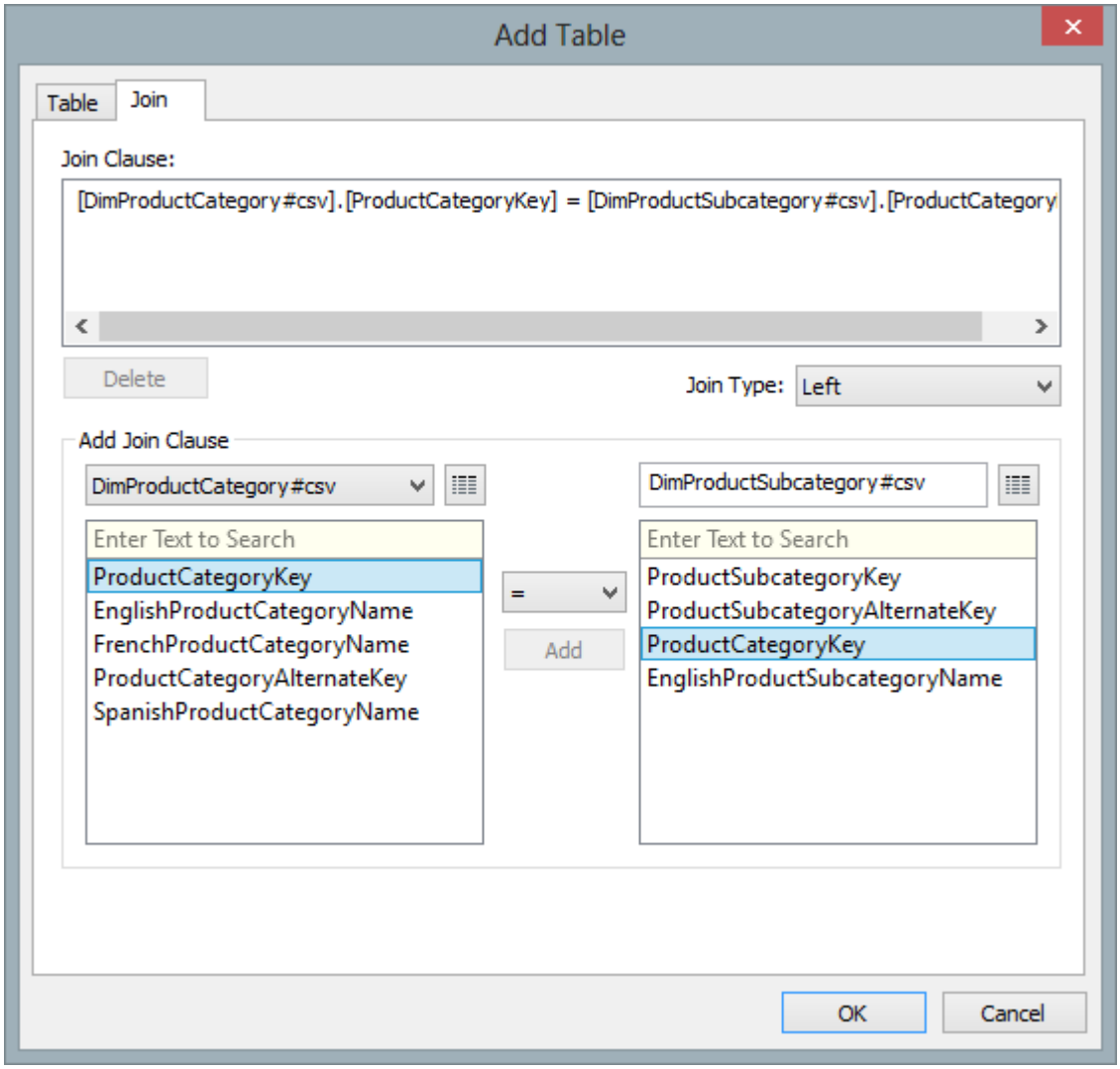
FullDateAlternateKey

EnglishProd..	Null	2005	2006	2007	2008
Accessories				£293,709.71	£407,050.25
Bikes		£3,266,373.86	£6,530,343.49	£9,359,103.12	£9,162,324.85
Clothing				£138,247.97	£201,524.64
Components					

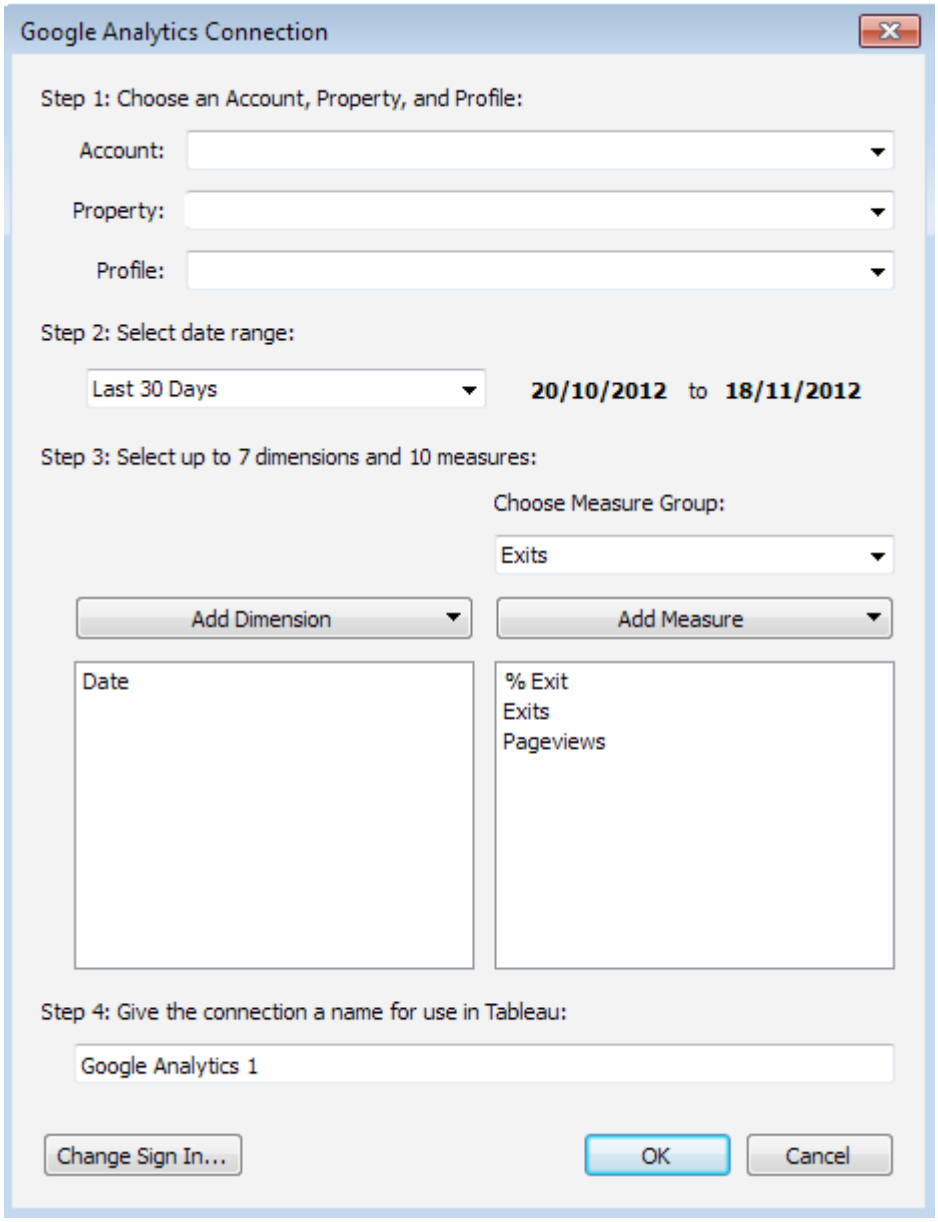

Add Table
Table
Join
Join Clause:
[FactInternetSales#csv].[OrderDateKey] = [DimDate#csv].[DateKey]
Delete
Join Type:
Left
Add Join Clause
FactInternetSales#csv
DimDate#csv
Enter Text to Search
Enter Text to Search
DiscountAmount
DueDateKey
Freight
OrderDateKey
FactInternetSales#csv_ProductK...
PromotionKey
SalesOrderLineNumber
SalesTerritoryKey
=
Add
DateKey
WeekNumberOfYear
CalendarQuarter
CalendarSemester
DayNumberOfYear
CalendarYear
EnglishMonthName
DayNumberOfMonth
OK
Cancel


Add Table
Table
Join
Join Clause:
[DimProduct#csv].[ProductKey] = [FactInternetSales#csv].[ProductKey]
Delete
Join Type:
Left
Add Join Clause
DimProduct#csv
FactInternetSales#csv
Enter Text to Search
ProductKey
SafetyStockLevel
StandardCost
Size
SizeUnitMeasureCode
StartDate
Style
Weight
=
Add
Enter Text to Search
ProductKey
ProductStandardCost
PromotionKey
SalesAmount
SalesOrderLineNumber
SalesTerritoryKey
ShipDateKey
TaxAmt
OK
Cancel


Add Table
Table
Join
Join Clause:
[DimProductSubcategory#csv].[ProductSubcategoryKey] = [DimProduct#csv].[ProductSubcategoryKe
Delete
Join Type:
Left
Add Join Clause
DimProductSubcategory#csv
DimProduct#csv
Enter Text to Search
Enter Text to Search
DimProductSubcategory#csv_Pro...
ProductSubcategoryAlternateKey
EnglishProductSubcategoryName
ProductSubcategoryKey
=
Add
SizeRange
ProductSubcategoryKey
SafetyStockLevel
StandardCost
Size
SizeUnitMeasureCode
StartDate
Style
OK
Cancel


Add Table
Table
Join
Join Clause:
[DimProductCategory#csv].[ProductCategoryKey] = [DimProductSubcategory#csv].[ProductCategory
Delete
Join Type:
Left
Add Join Clause
DimProductCategory#csv
Enter Text to Search
ProductCategoryKey
EnglishProductCategoryName
FrenchProductCategoryName
ProductCategoryAlternateKey
SpanishProductCategoryName
=
Add
DimProductSubcategory#csv
Enter Text to Search
ProductSubcategoryKey
ProductSubcategoryAlternateKey
ProductCategoryKey
EnglishProductSubcategoryName
OK
Cancel

Chapter 4


Google Analytics Connection
Step 1: Choose an Account, Property, and Profile:
Account:
Property:
Profile:
Step 2: Select date range:
Last 30 Days
20/10/2012 to 18/11/2012
Step 3: Select up to 7 dimensions and 10 measures:
Choose Measure Group:
Exits
Add Dimension
Add Measure
Date
% Exit
Exits
Pageviews
Step 4: Give the connection a name for use in Tableau:
Google Analytics 1
Change Sign In...
OK
Cancel

Google

One account. All of Google.

Sign in to continue to Google Analytics

Email

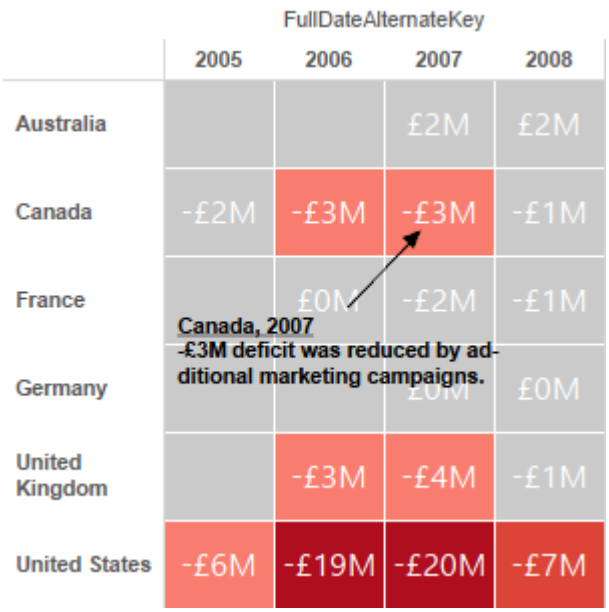
Password

Sign in

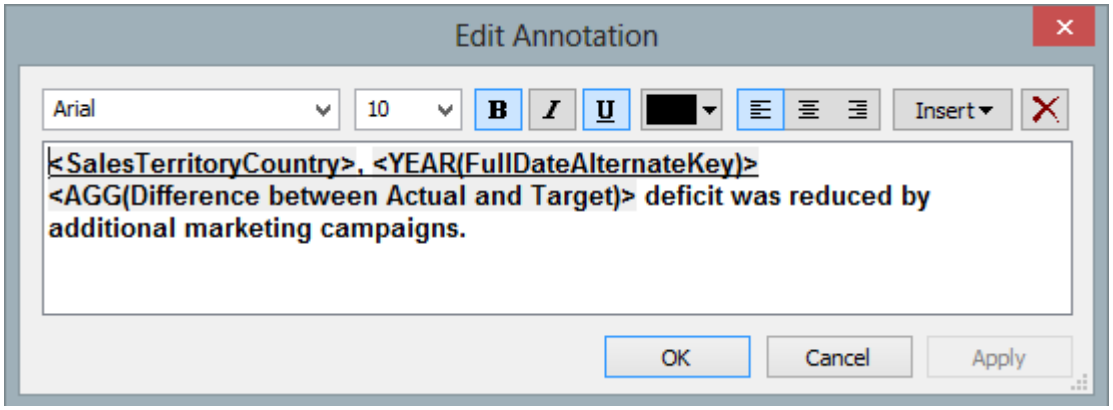
Stay signed in

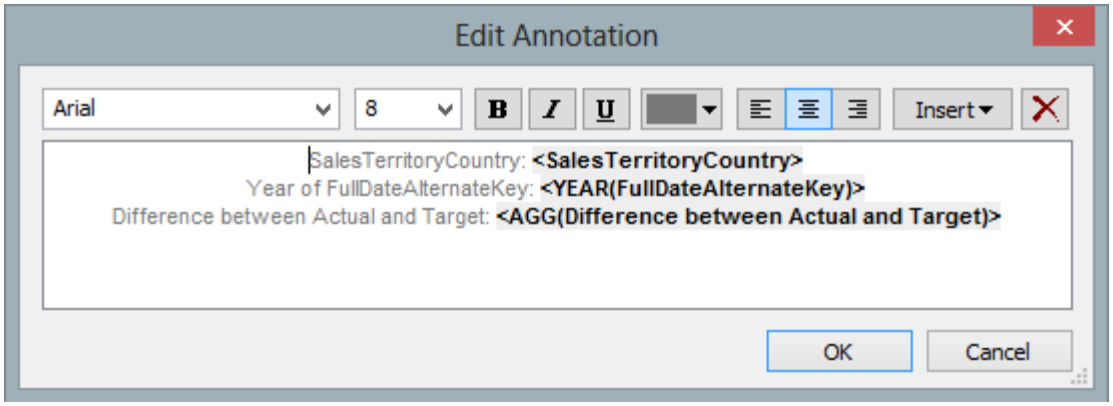
Need help?

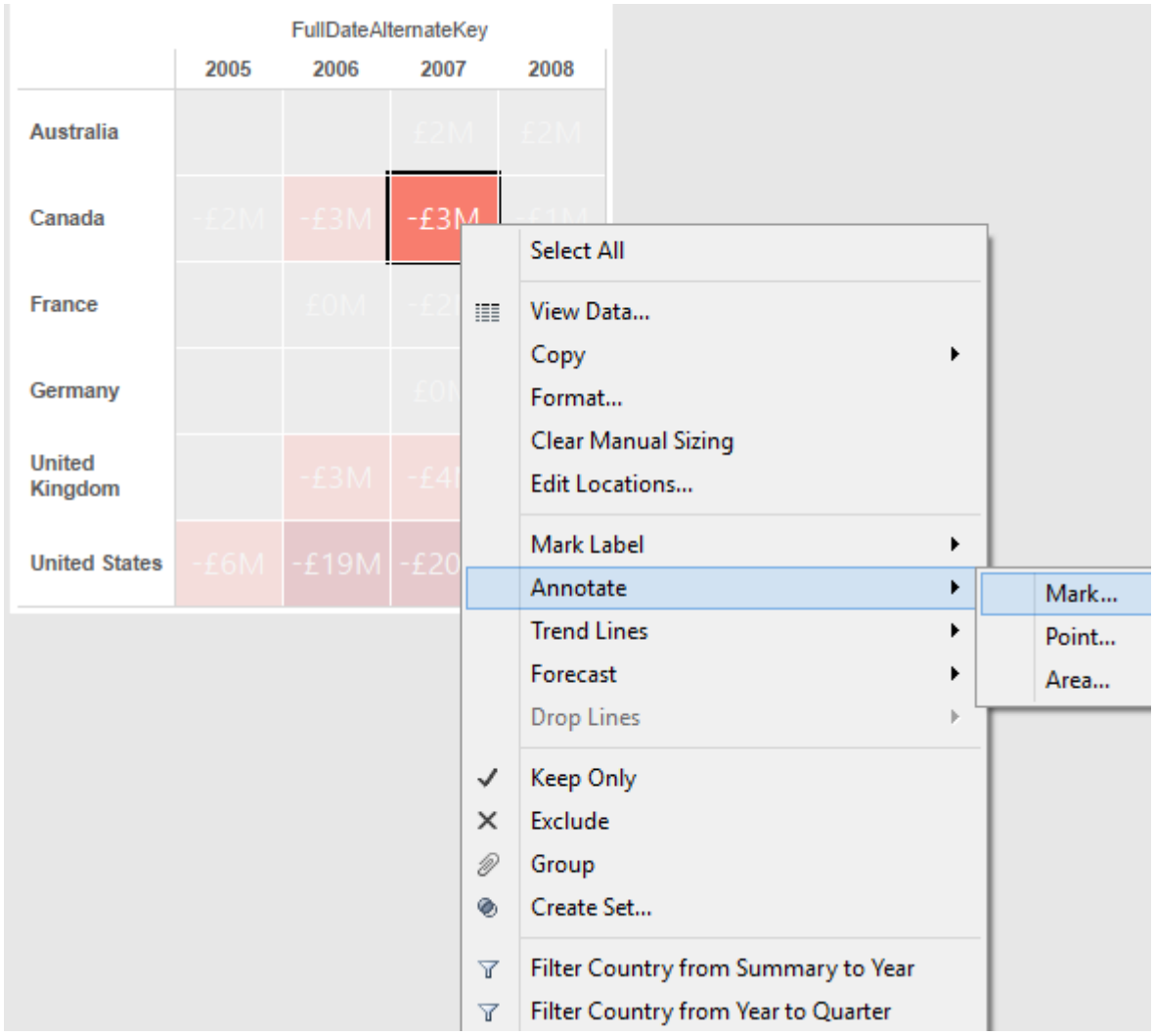
Create an account

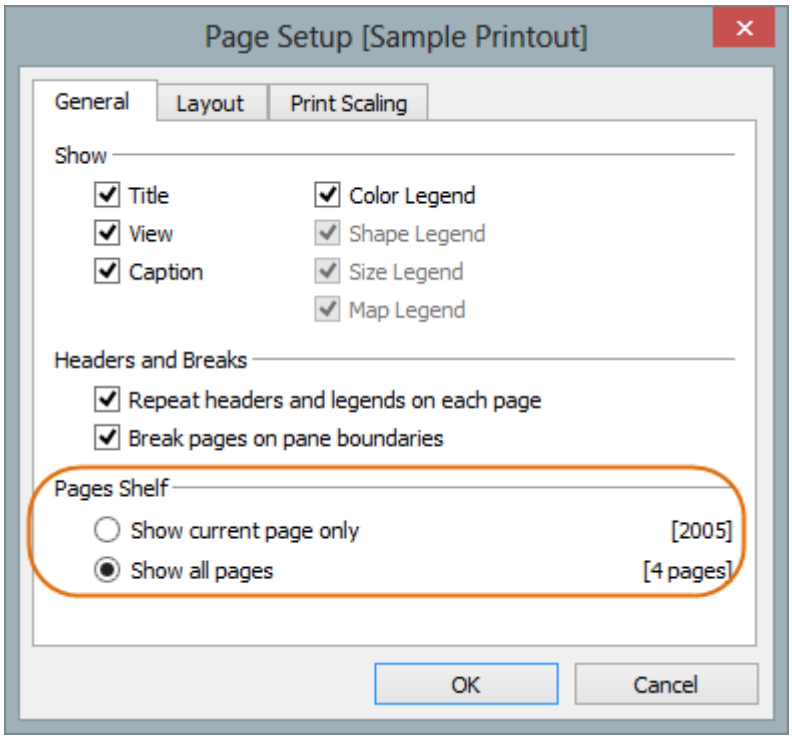

FullDateAlternateKey
2005
2006
2007
2008
Australia
£2M
£2M
Canada
-£2M
-£3M
-£3M
-£1M
France
£0M
-£2M
-£1M
Germany
£0M
Canada, 2007
-£3M deficit was reduced by ad-
ditional marketing campaigns.
United Kingdom
-£3M
-£4M
-£1M
United States
-£6M
-£19M
-£20M
-£7M

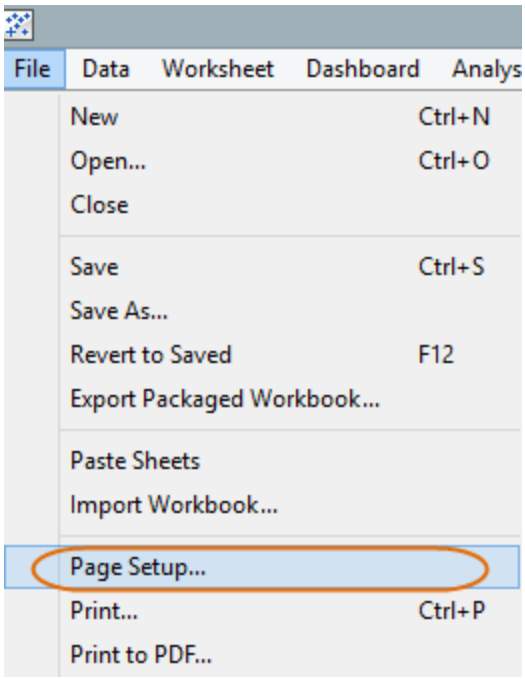
FullDateAlternateKey
2005
2006
2007
2008
Australia
Canada
France
Germany
United Kingdom
United States
Canada, 2007
-£3M deficit was reduced
by additional marketing
campaigns.

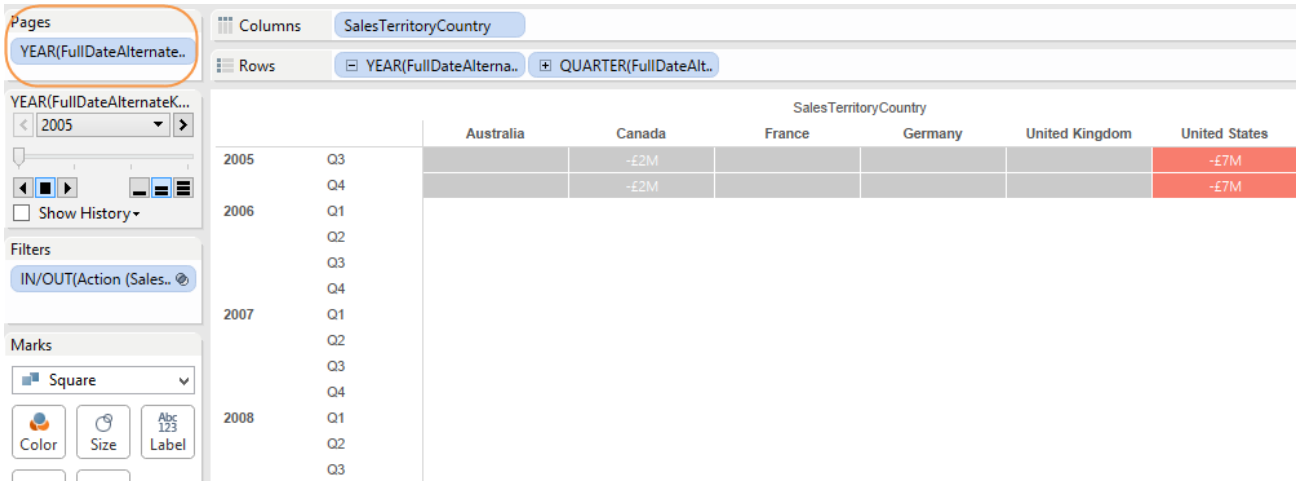

Edit Annotation
Arial
10
B
I
U
Insert
<SalesTerritoryCountry>, <YEAR(FullDateAlternateKey)>
<AGG(Difference between Actual and Target)> deficit was reduced by
additional marketing campaigns.
OK
Cancel
Apply

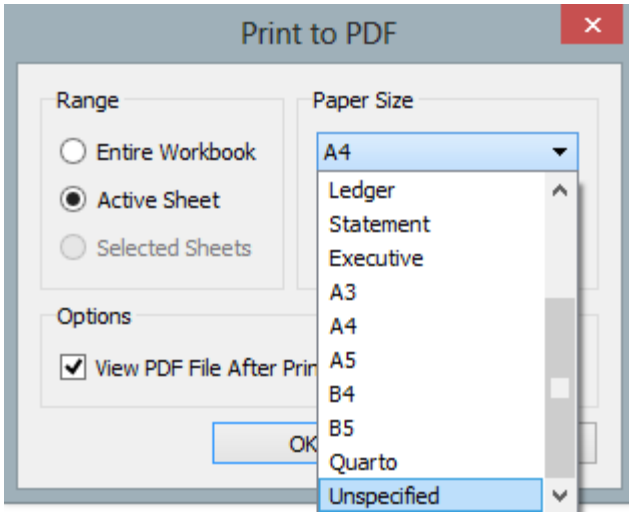

Edit Annotation
Arial
8
Insert
SalesTerritoryCountry: <SalesTerritoryCountry>
Year of FullDateAlternateKey: <YEAR(FullDateAlternateKey)>
Difference between Actual and Target: <AGG(Difference between Actual and Target)>
OK
Cancel

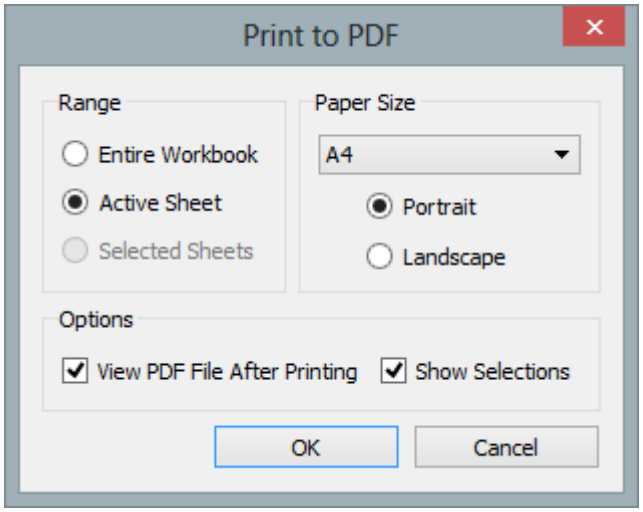

FullDateAlternateKey
2005
2006
2007
2008
Australia
Canada
France
Germany
United Kingdom
United States
-£6M
-£19M
Select All
View Data...
Copy
Format...
Clear Manual Sizing
Edit Locations...
Mark Label
Annotate
Trend Lines
Forecast
Drop Lines
Keep Only
Exclude
Group
Create Set...
Filter Country from Summary to Year
Filter Country from Year to Quarter
Mark...
Point...
Area...

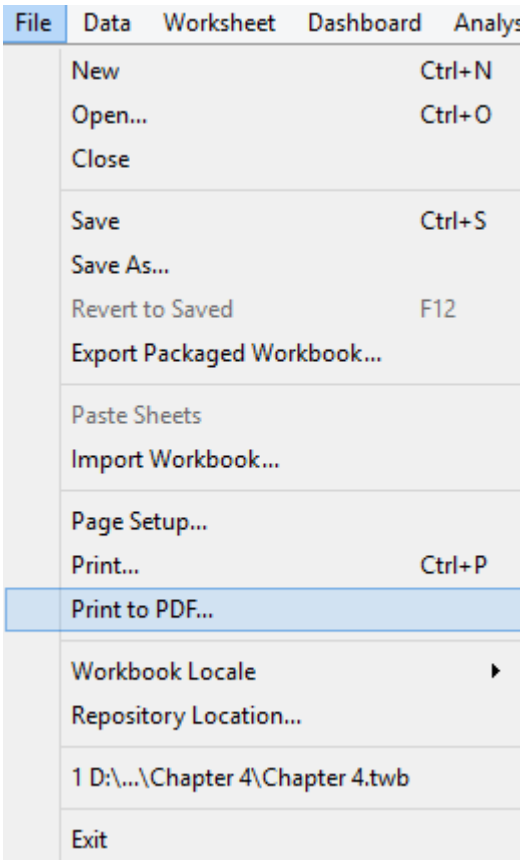

Page Setup [Sample Printout]
General
Layout
Print Scaling
Show
Title
View
Caption
Color Legend
Shape Legend
Size Legend
Map Legend
Headers and Breaks
Repeat headers and legends on each page
Break pages on pane boundaries
Pages Shelf
Show current page only
[2005]
Show all pages
[4 pages]
OK
Cancel


File
Data
Worksheet
Dashboard
Analys
New
Ctrl+N
Open...
Ctrl+O
Close
Save
Ctrl+S
Save As...
Revert to Saved
F12
Export Packaged Workbook...
Paste Sheets
Import Workbook...
Page Setup...
Print...
Ctrl+P
Print to PDF...

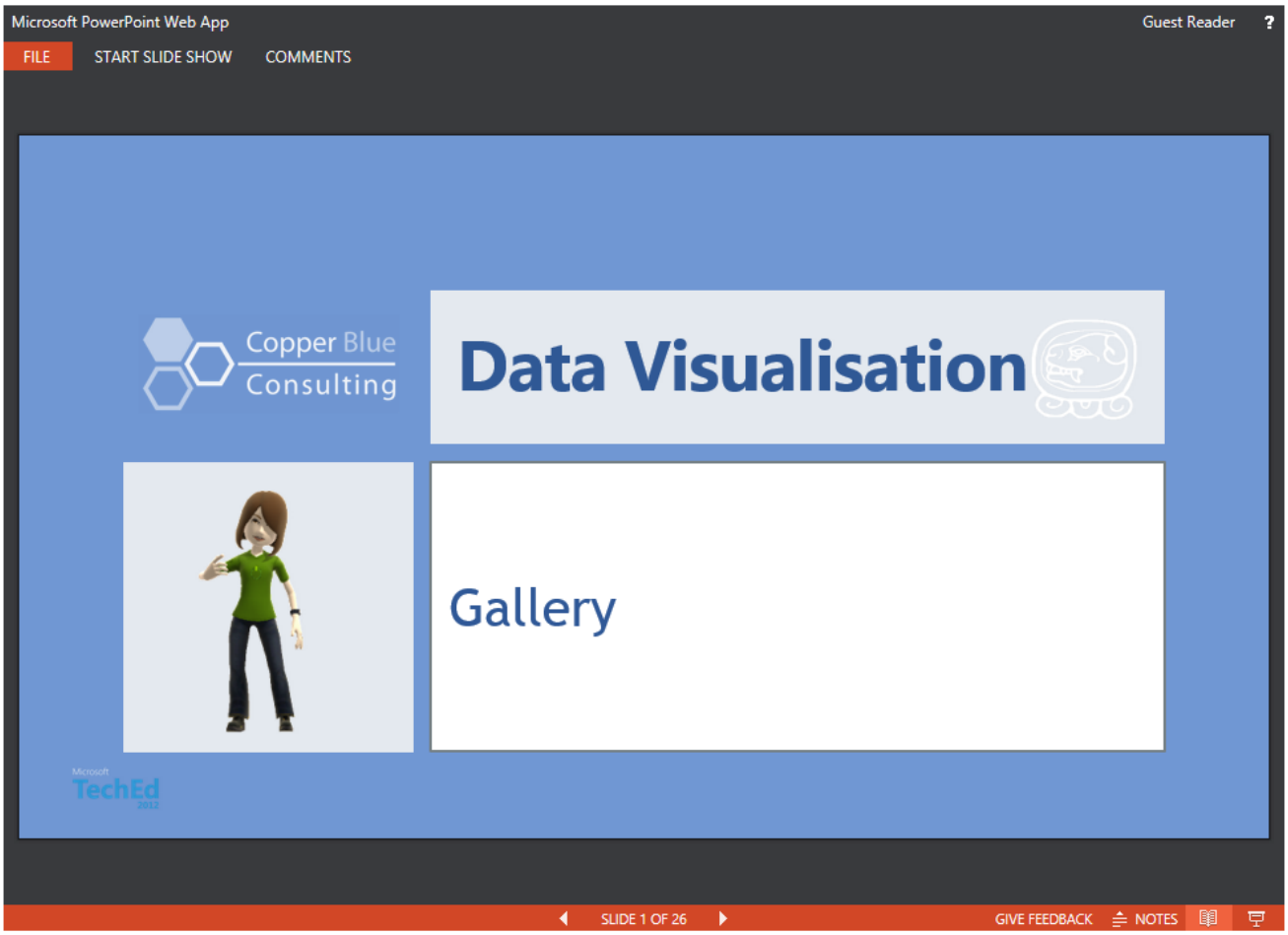

Pages
YEAR(FullDateAlternate..
Columns
SalesTerritoryCountry
Rows
YEAR(FullDateAlterna..
QUARTER(FullDateAlt..
YEAR(FullDateAlternateK...
2005
Show History
Filters
IN/OUT(Action (Sales..
Marks
Square
Color
Size
Label
SalesTerritoryCountry
Australia
Canada
France
Germany
United Kingdom
United States
2005 Q3 -£2M -£7M
Q4 -£2M -£7M
2006 Q1
Q2
Q3
Q4
2007 Q1
Q2
Q3
Q4
2008 Q1
Q2
Q3

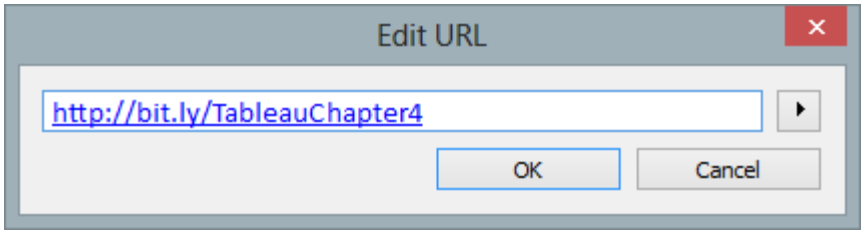

Print to PDF
Range
Entire Workbook
Active Sheet
Selected Sheets
Paper Size
A4
Ledger
Statement
Executive
A3
A4
A5
B4
B5
Quarto
Unspecified
Options
View PDF File After Prin
OK

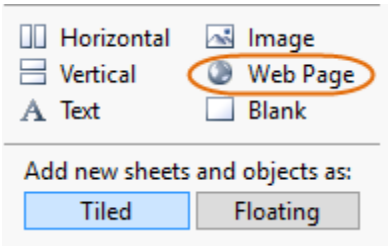

Print to PDF
Range
Entire Workbook
Active Sheet
Selected Sheets
Paper Size
A4
Portrait
Landscape
Options
View PDF File After Printing
Show Selections
OK
Cancel

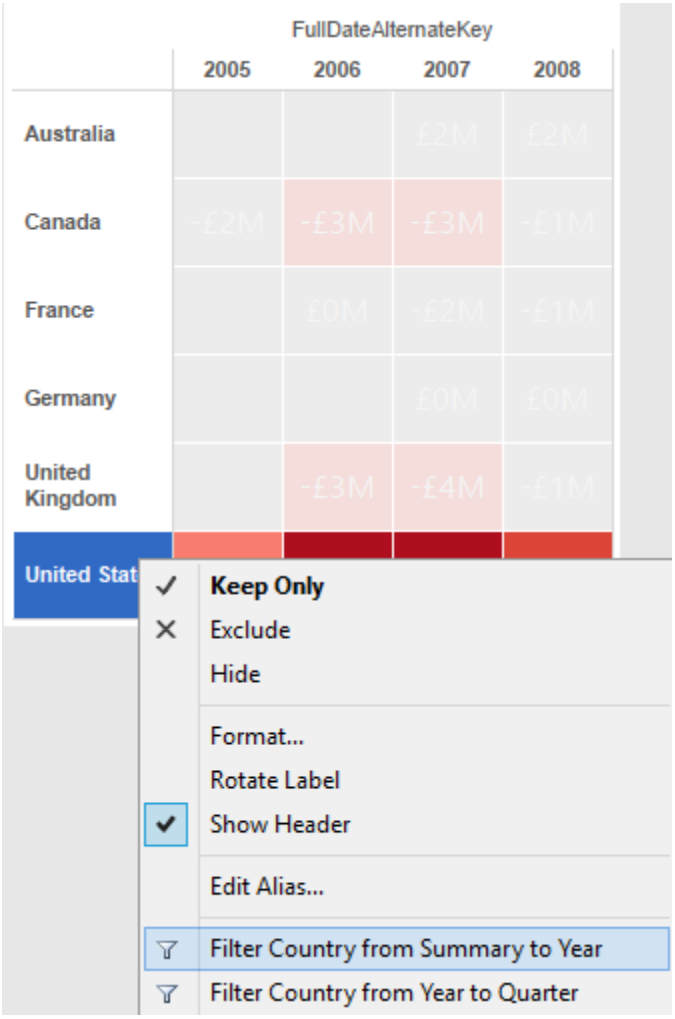

File
Data
Worksheet
Dashboard
Analys
New Ctrl+N
Open... Ctrl+O
Close
Save Ctrl+S
Save As...
Revert to Saved F12
Export Packaged Workbook...
Paste Sheets
Import Workbook...
Page Setup...
Print... Ctrl+P
Print to PDF...
Workbook Locale
Repository Location...
1 D:\...\Chapter 4\Chapter 4.twb
Exit

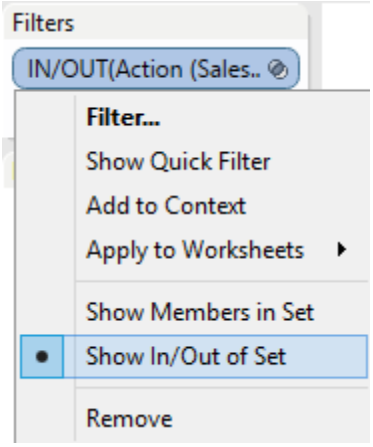
Combined Tableau and SkyDrive Presentation

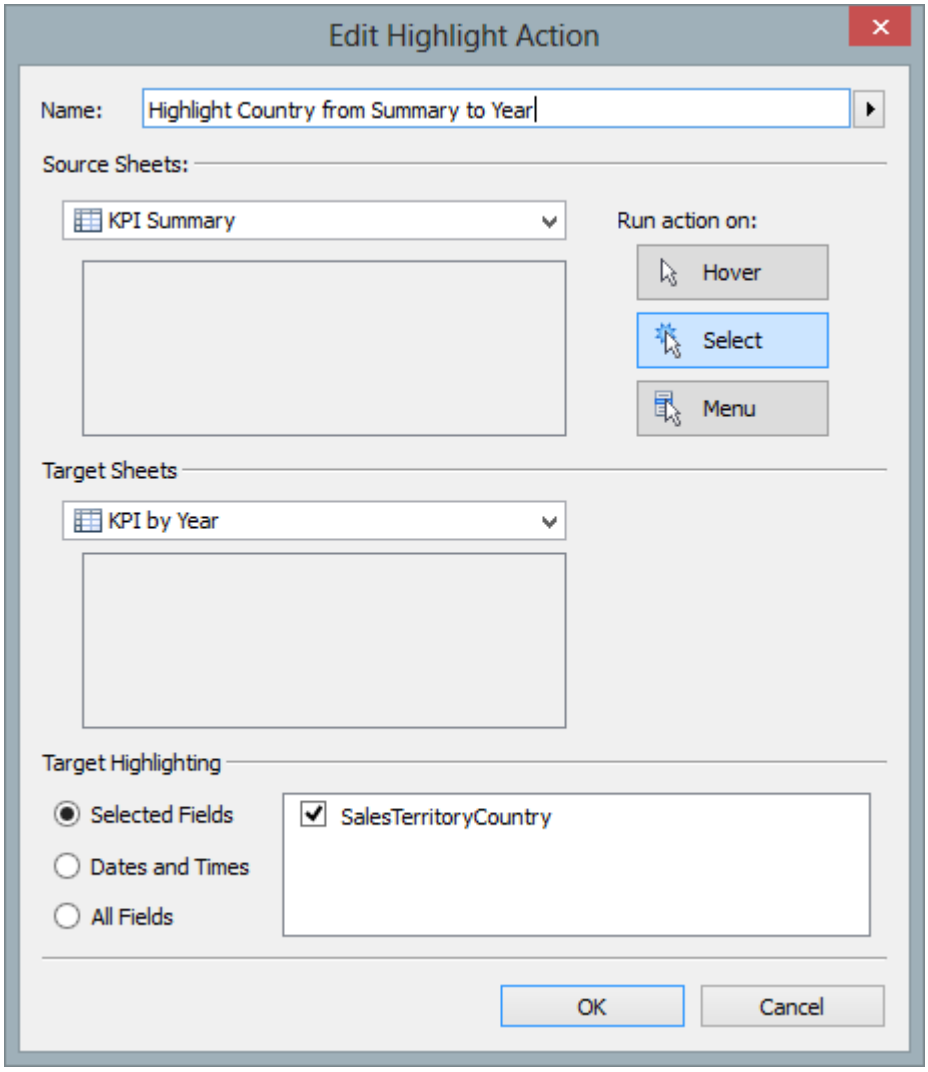


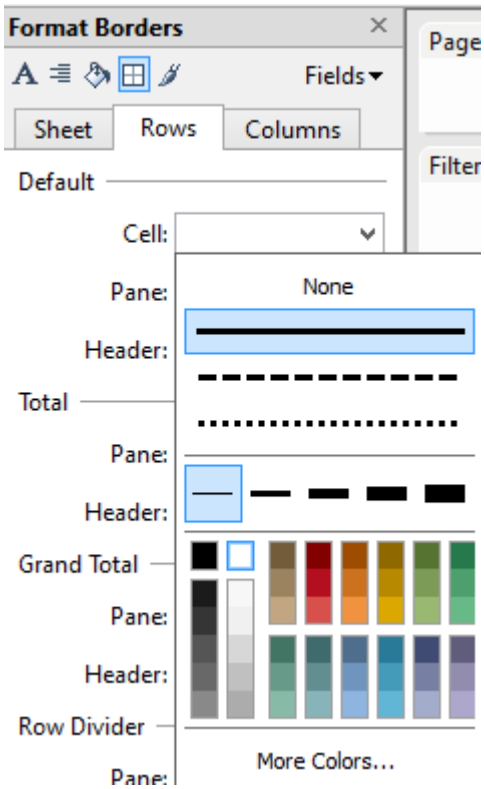


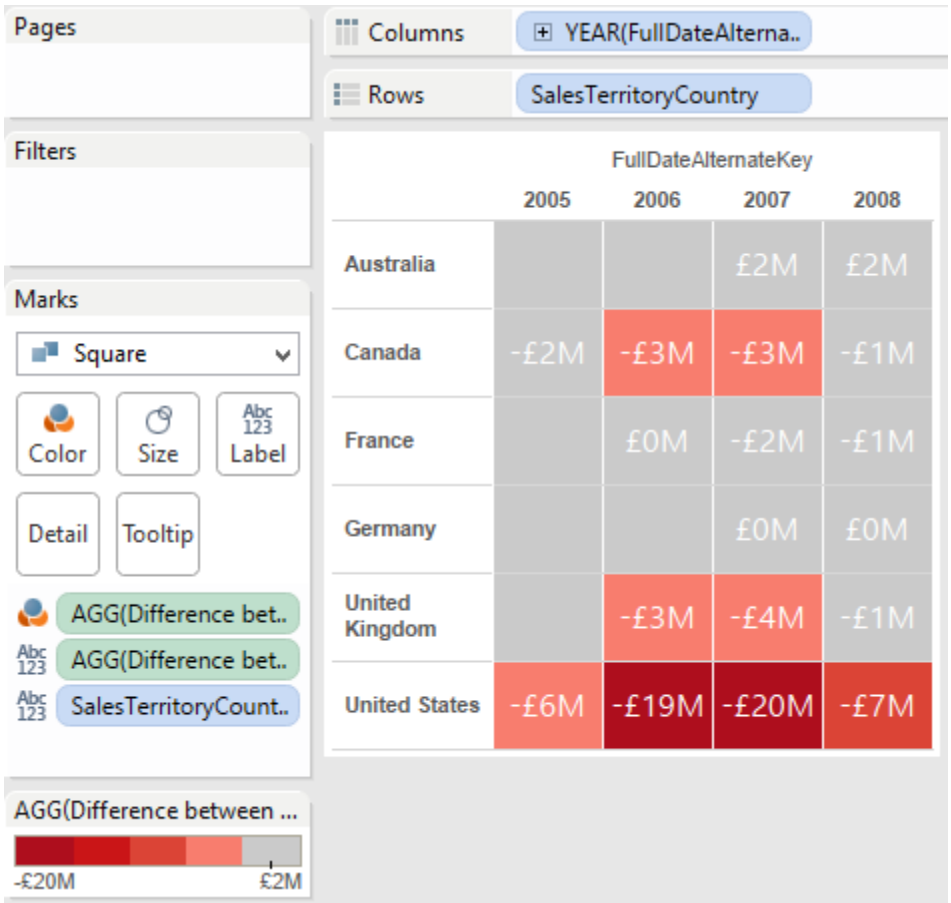


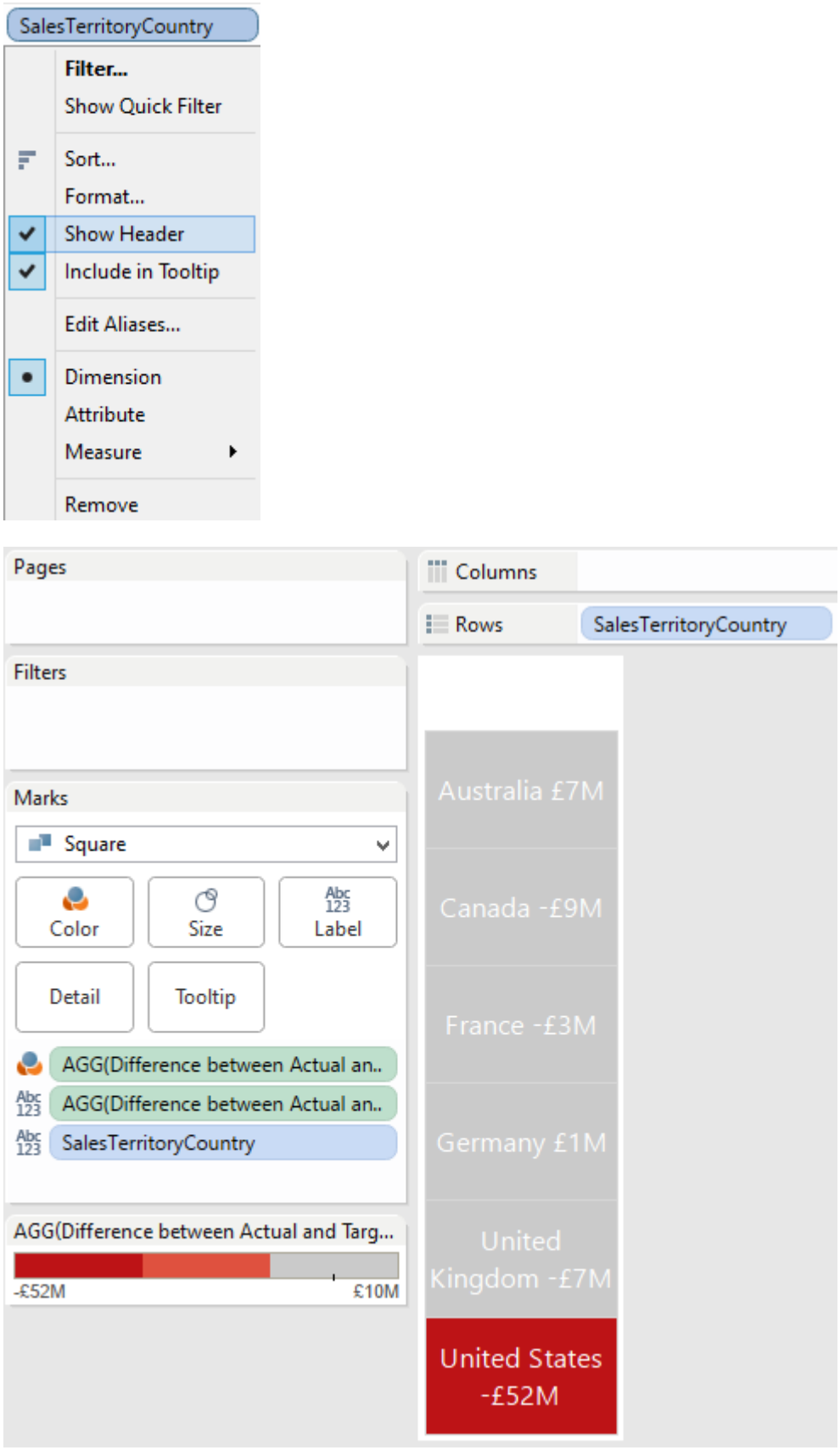

FullDateAlternateKey
2005
2006
2007
2008
Australia
£2M
£2M
Canada
-£2M
-£3M
-£3M
-£1M
France
£0M
-£2M
-£1M
Germany
£0M
£0M
United Kingdom
-£3M
-£4M
-£1M
United Stat
Keep Only
Exclude
Hide
Format...
Rotate Label
Show Header
Edit Alias...
Filter Country from Summary to Year
Filter Country from Year to Quarter

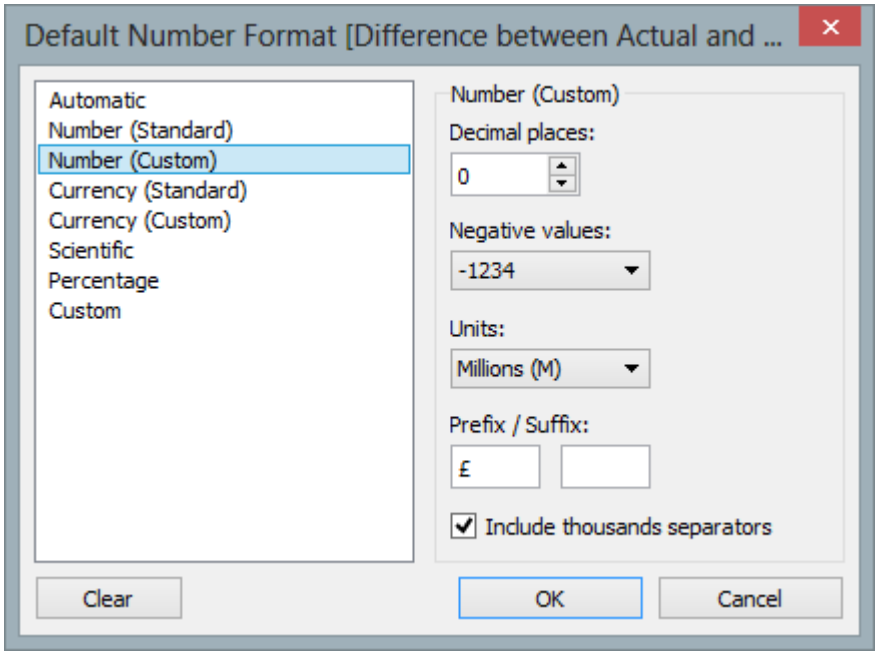

Filters
IN/OUT(Action (Sales..
Filter...
Show Quick Filter
Add to Context
Apply to Worksheets
Show Members in Set
Show In/Out of Set
Remove

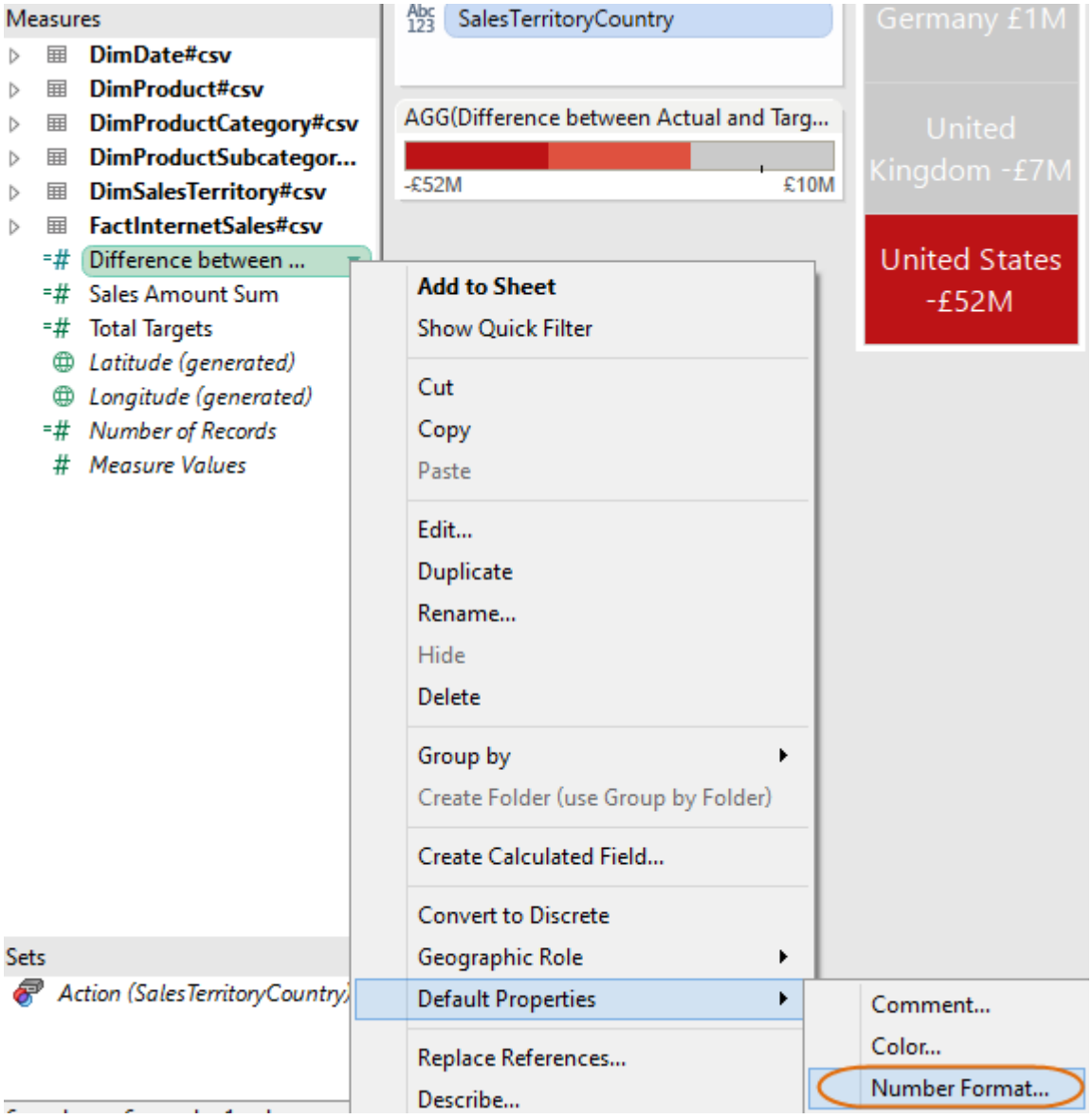

Edit Highlight Action
Name:
Highlight Country from Summary to Year
Source Sheets:
KPI Summary
Run action on:
Hover
Select
Menu
Target Sheets
KPI by Year
Target Highlighting
Selected Fields
Dates and Times
All Fields
SalesTerritoryCountry
OK
Cancel

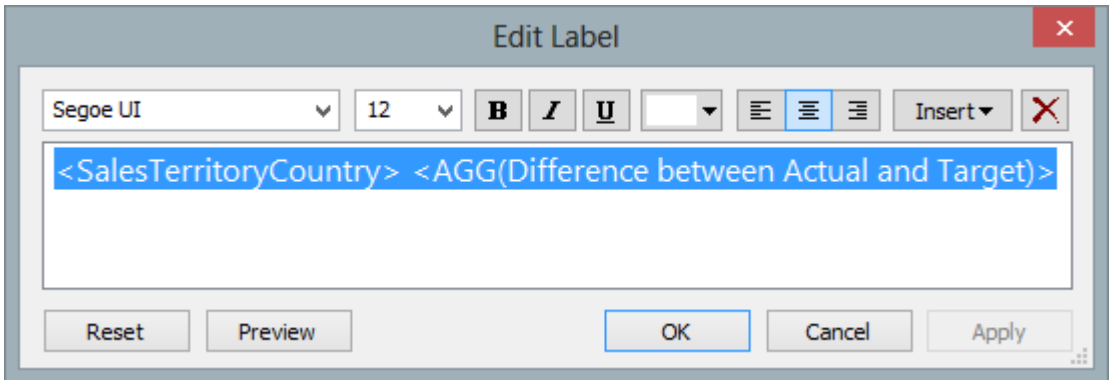

Format Borders
Fields
Sheet
Rows
Columns
Default
Cell:
Pane:
Header:
Total
Pane:
Header:
Grand Total
Pane:
Header:
Row Divider
Pane:
None
More Colors...
Page
Filter

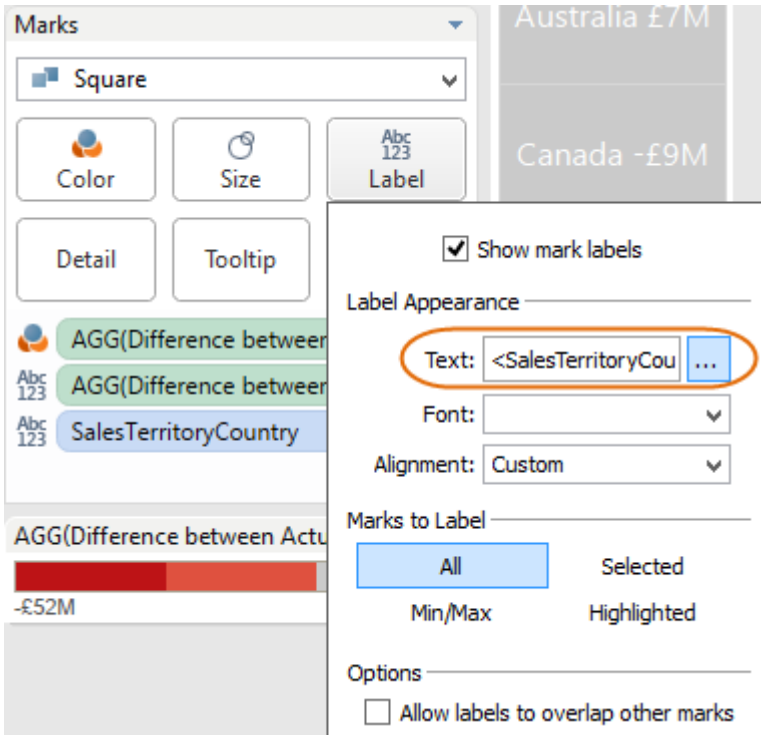

Pages
Filters
Marks
Square
Color
Size
Label
Detail
Tooltip
AGG(Difference bet..
AGG(Difference bet..
SalesTerritoryCount..
AGG(Difference between ...
-£20M
£2M
Columns
YEAR(FullDateAlterna..
Rows
SalesTerritoryCountry
FullDateAlternateKey
2005
2006
2007
2008
Australia
£2M
£2M
Canada
-£2M
-£3M
-£3M
-£1M
France
£0M
-£2M
-£1M
Germany
£0M
£0M
United Kingdom
-£3M
-£4M
-£1M
United States
-£6M
-£19M
-£20M
-£7M

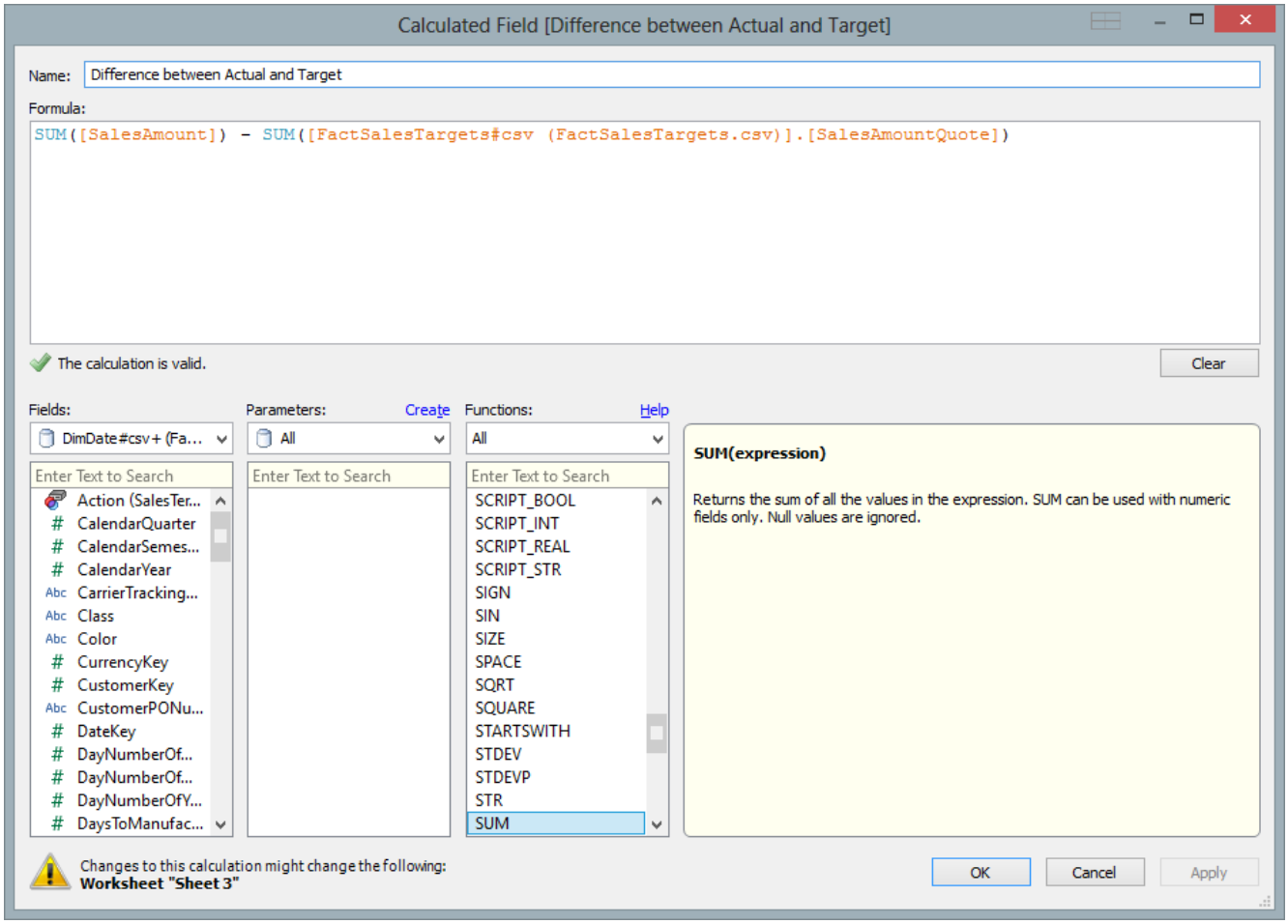

SalesTerritoryCountry
Filter...
Show Quick Filter
Sort...
Format...
Show Header
Include in Tooltip
Edit Aliases...
Dimension
Attribute
Measure
Remove
Pages
Columns
Rows
SalesTerritoryCountry
Filters
Marks
Square
Color
Size
Label
Detail
Tooltip
AGG(Difference between Actual an..
AGG(Difference between Actual an..
SalesTerritoryCountry
AGG(Difference between Actual and Targ...
-£52M
£10M
Australia £7M
Canada -£9M
France -£3M
Germany £1M
United Kingdom -£7M
United States -£52M

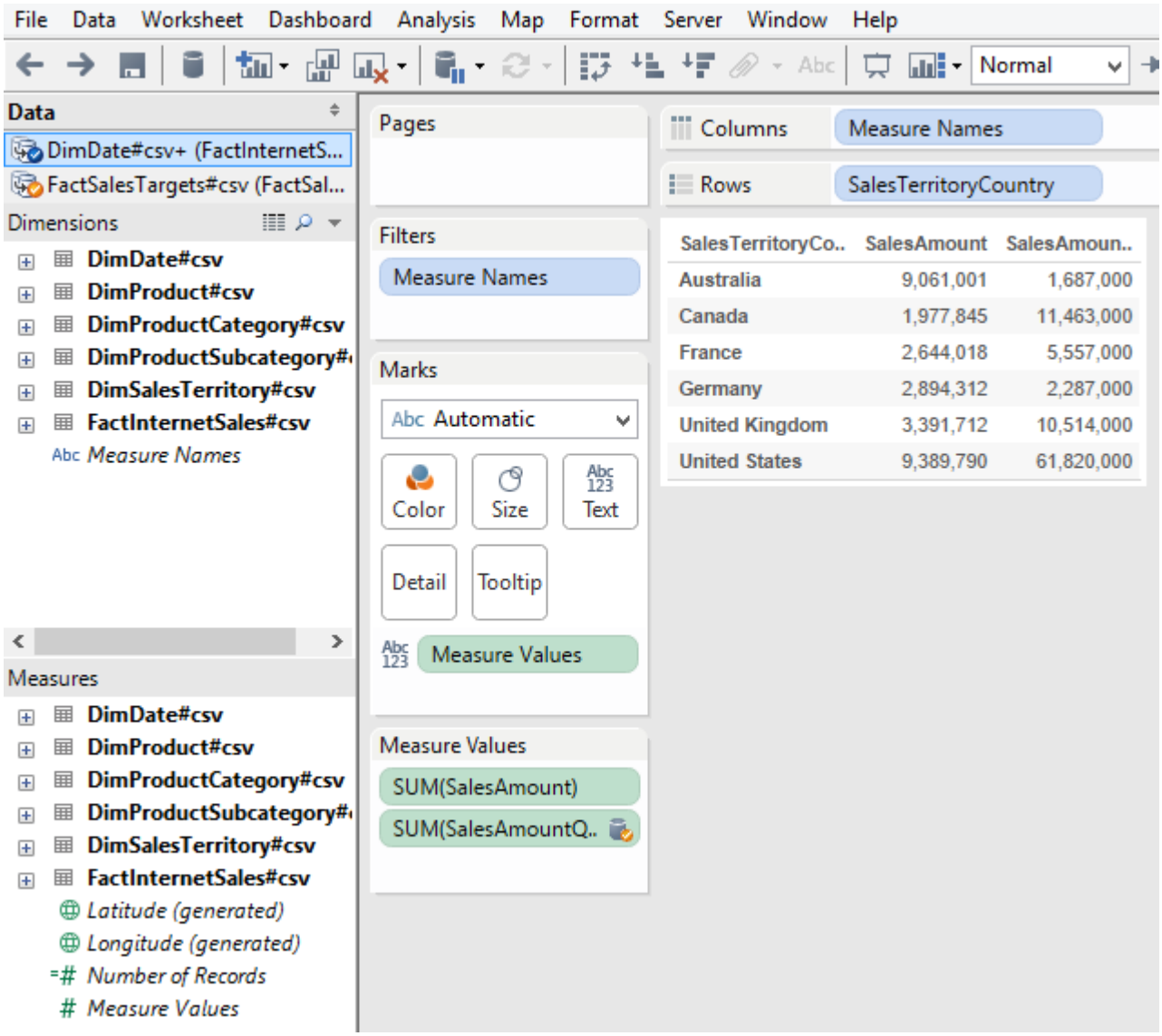

Default Number Format [Difference between Actual and ...
Automatic
Number (Standard)
Number (Custom)
Currency (Standard)
Currency (Custom)
Scientific
Percentage
Custom
Number (Custom)
Decimal places:
0
Negative values:
-1234
Units:
Millions (M)
Prefix / Suffix:
£
Include thousands separators
Clear
OK
Cancel

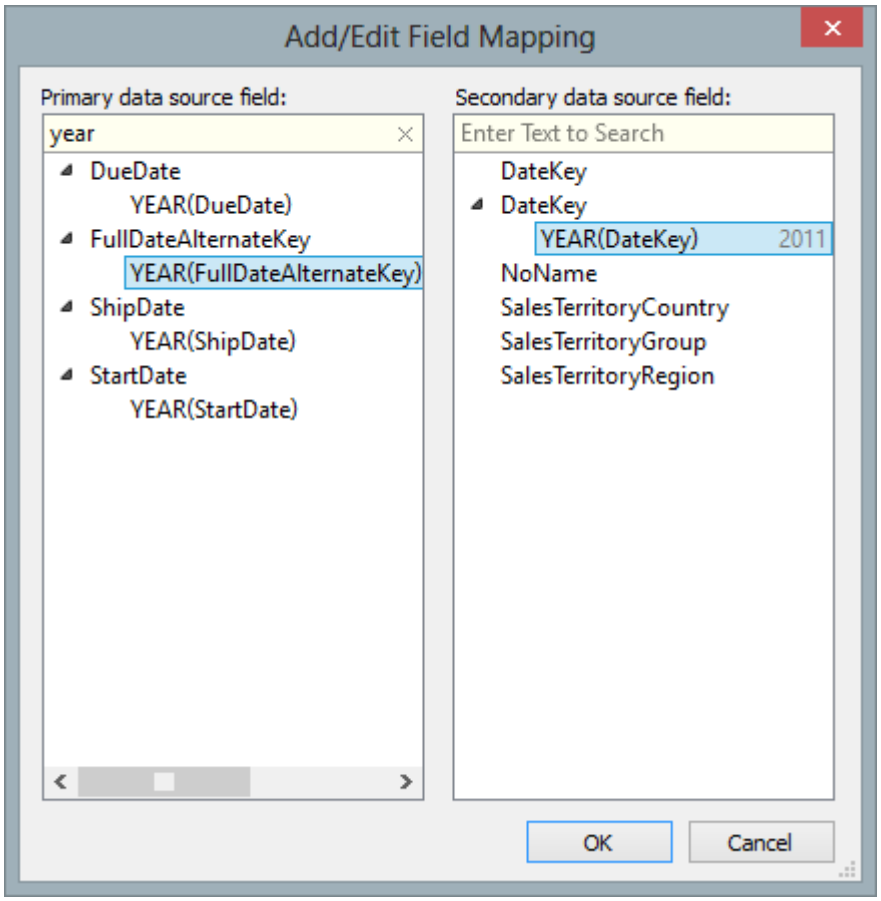

Measures
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategor...
DimSalesTerritory#csv
FactInternetSales#csv
Difference between ...
Sales Amount Sum
Total Targets
Latitude (generated)
Longitude (generated)
Number of Records
Measure Values
Sets
Action (SalesTerritoryCountry)
SalesTerritoryCountry
AGG(Difference between Actual and Targ...
-£52M
£10M
Germany £1M
United Kingdom -£7M
United States -£52M
Add to Sheet
Show Quick Filter
Cut
Copy
Paste
Edit...
Duplicate
Rename...
Hide
Delete
Group by
Create Folder (use Group by Folder)
Create Calculated Field...
Convert to Discrete
Geographic Role
Default Properties
Replace References...
Describe...
Comment...
Color...
Number Format...

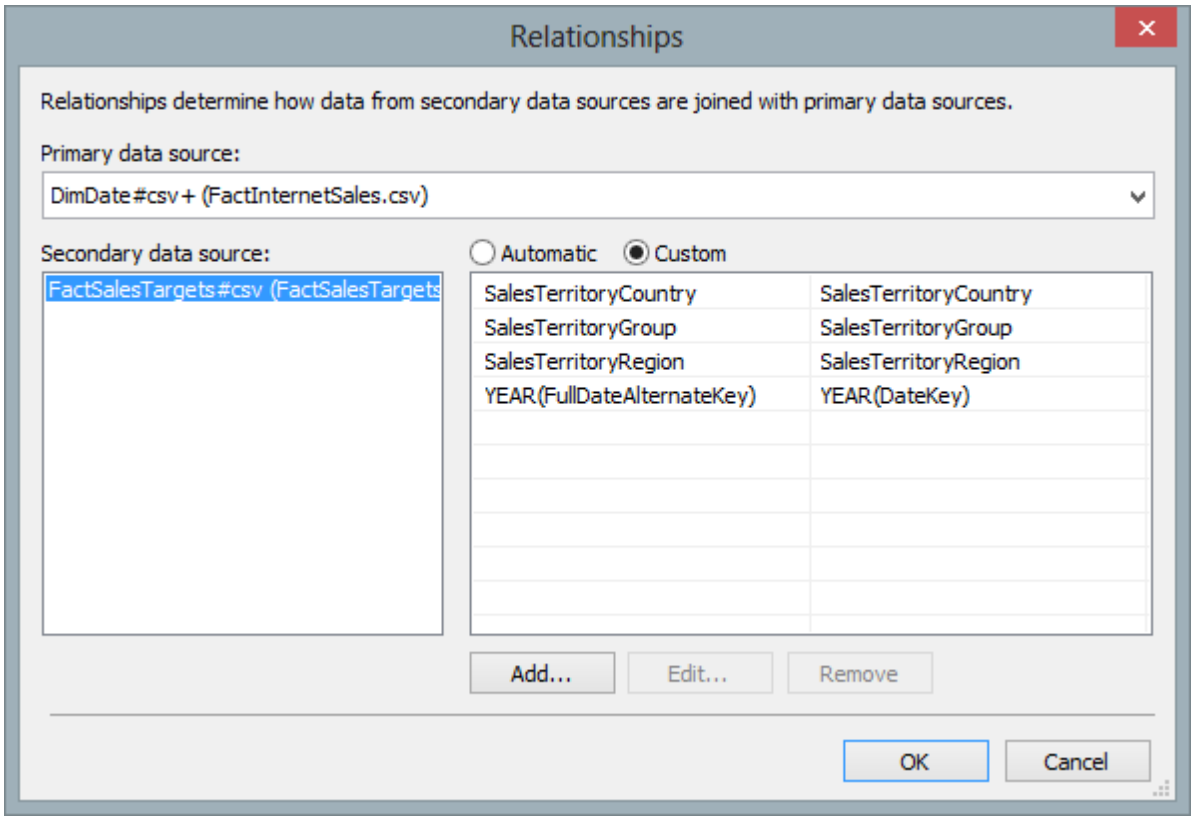

Edit Label
Segoe UI
12
Insert
<SalesTerritoryCountry> <AGG(Difference between Actual and Target)>
Reset
Preview
OK
Cancel
Apply


Marks
Square
Color
Size
Label
Detail
Tooltip
AGG(Difference between
AGG(Difference between
SalesTerritoryCountry
AGG(Difference between Actu
-£52M
Australia £7M
Canada -£9M
Show mark labels
Label Appearance
Text: <SalesTerritoryCou
Font:
Alignment: Custom
Marks to Label
All
Selected
Min/Max
Highlighted
Options
Allow labels to overlap other marks

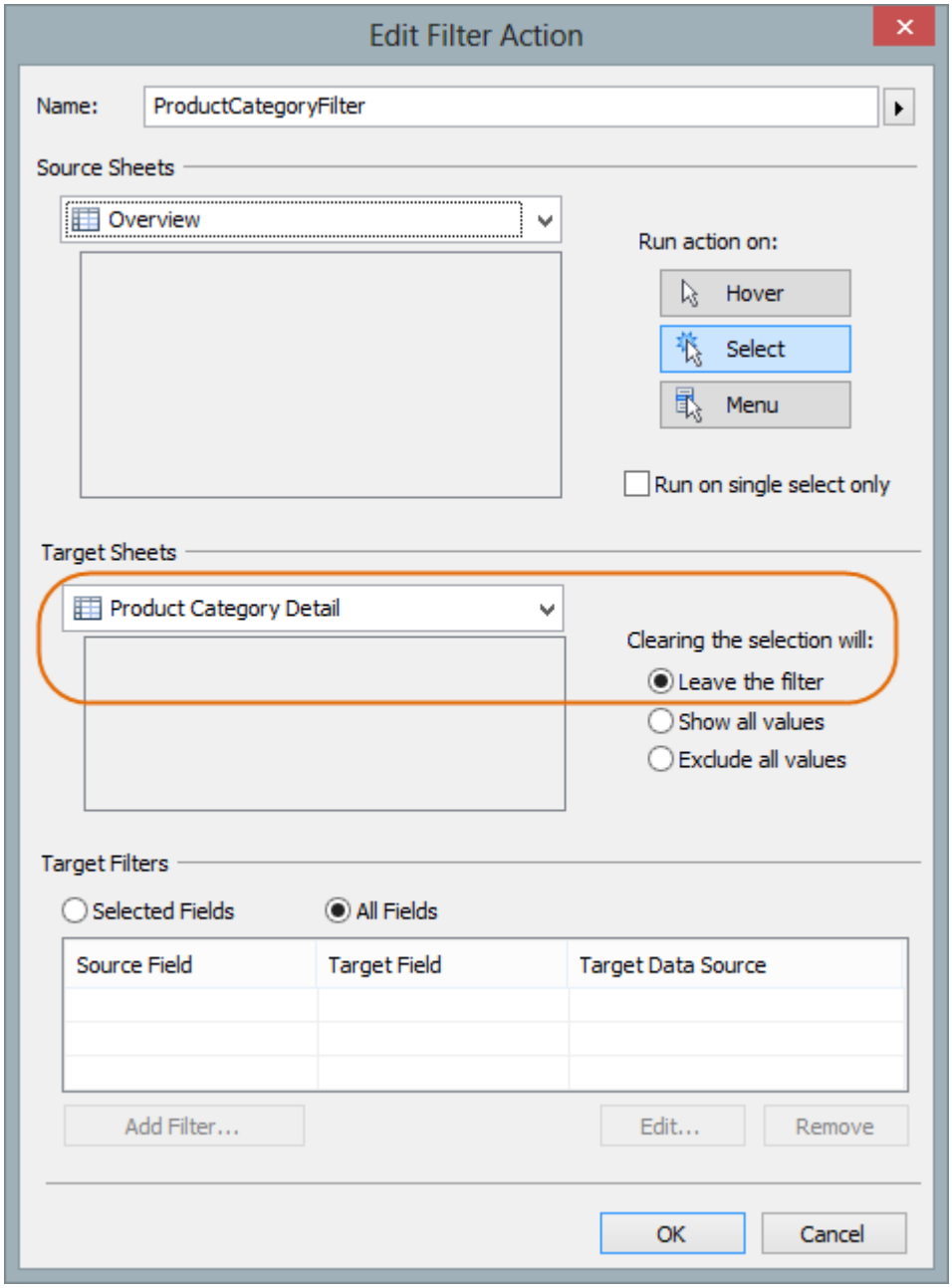

Calculated Field [Difference between Actual and Target]
Name:
Difference between Actual and Target
Formula:
SUM([SalesAmount]) - SUM([FactSalesTargets#csv (FactSalesTargets.csv)].[SalesAmountQuote])
The calculation is valid.
Clear
Fields:
Parameters:
Create
Functions:
Help
DimDate#csv+ (Fa...
All
All
Enter Text to Search
Enter Text to Search
Enter Text to Search
Action (SalesTer...
CalendarQuarter
CalendarSemes...
CalendarYear
CarrierTracking...
Class
Color
CurrencyKey
CustomerKey
CustomerPONu...
DateKey
DayNumberOf...
DayNumberOf...
DayNumberOfY...
DaysToManufac...
SCRIPT_BOOL
SCRIPT_INT
SCRIPT_REAL
SCRIPT_STR
SIGN
SIN
SIZE
SPACE
SQRT
SQUARE
STARTSWITH
STDEV
STDEVP
STR
SUM
SUM(expression)
Returns the sum of all the values in the expression. SUM can be used with numeric fields only. Null values are ignored.
Changes to this calculation might change the following:
Worksheet "Sheet 3"
OK
Cancel
Apply

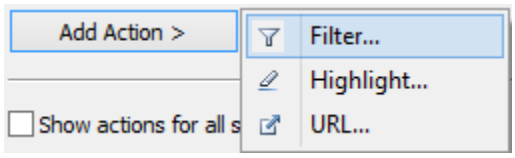

File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Data
DimDate#csv+ (FactInternetS...
FactSalesTargets#csv (FactSal...
Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#
DimSalesTerritory#csv
FactInternetSales#csv
Measure Names
Measures
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#
DimSalesTerritory#csv
FactInternetSales#csv
Latitude (generated)
Longitude (generated)
Number of Records
Measure Values
Pages
Filters
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
SUM(SalesAmount)
SUM(SalesAmountQ..
Columns
Measure Names
Rows
SalesTerritoryCountry
SalesTerritoryCo..
SalesAmount
SalesAmoun..
Australia 9,061,001 1,687,000
Canada 1,977,845 11,463,000
France 2,644,018 5,557,000
Germany 2,894,312 2,287,000
United Kingdom 3,391,712 10,514,000
United States 9,389,790 61,820,000

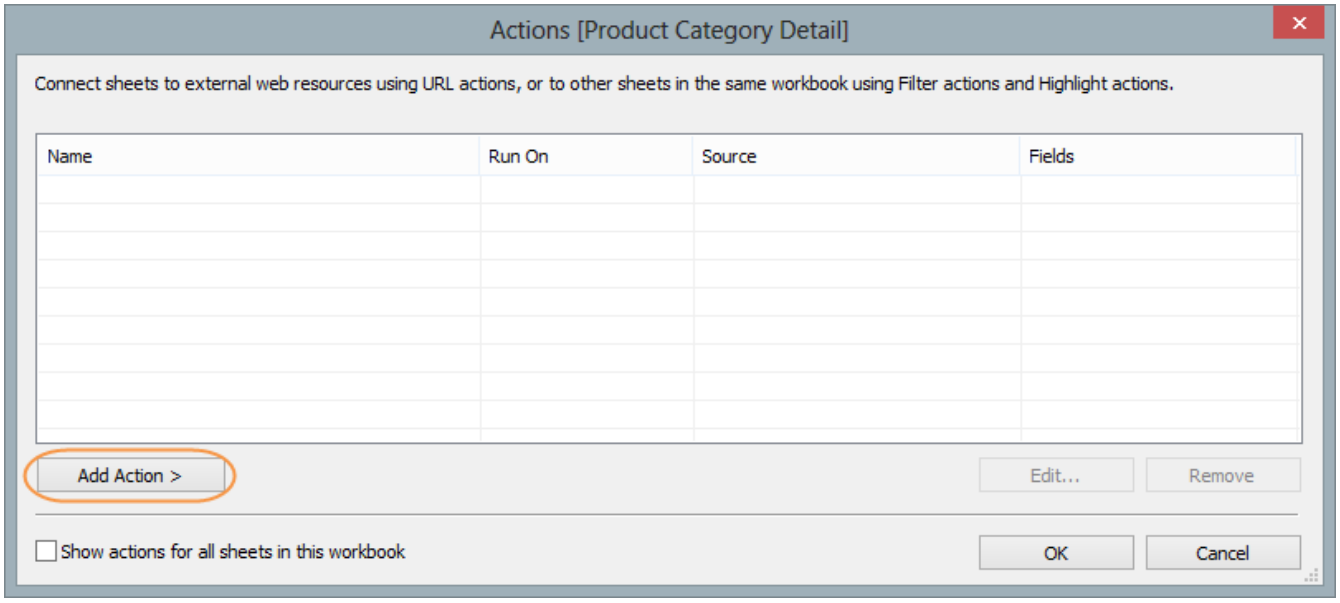

Add/Edit Field Mapping
Primary data source field:
year
DueDate
YEAR(DueDate)
FullDateAlternateKey
YEAR(FullDateAlternateKey)
ShipDate
YEAR(ShipDate)
StartDate
YEAR(StartDate)
Secondary data source field:
Enter Text to Search
DateKey
DateKey
YEAR(DateKey) 2011
NoName
SalesTerritoryCountry
SalesTerritoryGroup
SalesTerritoryRegion
OK
Cancel

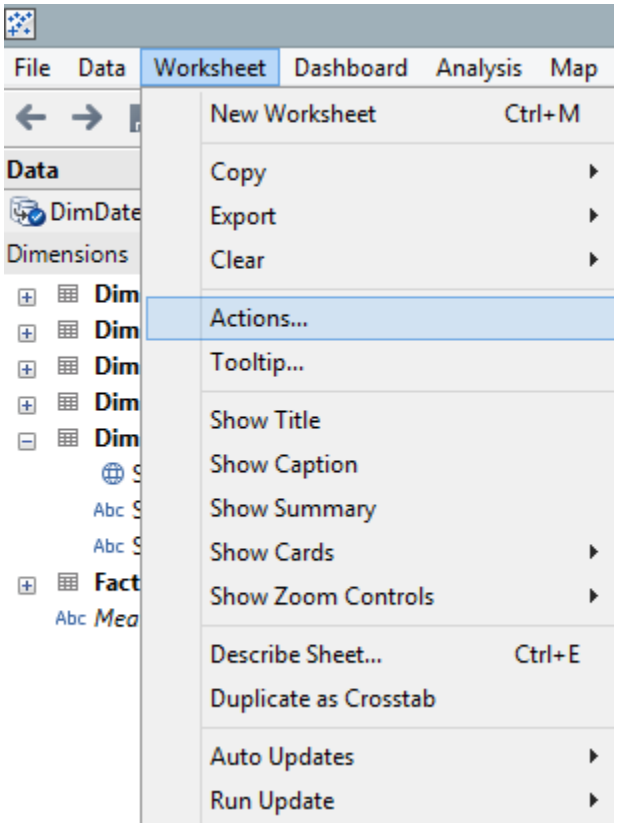

Relationships
Relationships determine how data from secondary data sources are joined with primary data sources.
Primary data source:
DimDate#csv + (FactInternetSales.csv)
Secondary data source:
FactSalesTargets#csv (FactSalesTargets
Automatic
Custom
SalesTerritoryCountry SalesTerritoryCountry
SalesTerritoryGroup SalesTerritoryGroup
SalesTerritoryRegion SalesTerritoryRegion
YEAR(FullDateAlternateKey) YEAR(DateKey)
Add...
Edit...
Remove
OK
Cancel

EnglishProductCategoryName		
Accessories	About Tableau maps: www.tableausoftware.com/mapdata	
Bikes	About Tableau maps: www.tableausoftware.com/mapdata	
Clothing	About Tableau maps: www.tableausoftware.com/mapdata	


Edit Filter Action
Name:
ProductCategoryFilter
Source Sheets
Overview
Run action on:
Hover
Select
Menu
Run on single select only
Target Sheets
Product Category Detail
Clearing the selection will:
Leave the filter
Show all values
Exclude all values
Target Filters
Selected Fields
All Fields
Source Field
Target Field
Target Data Source
Add Filter...
Edit...
Remove
OK
Cancel


Add Action >
Filter...
Highlight...
URL...
Show actions for all s


Actions [Product Category Detail]
Connect sheets to external web resources using URL actions, or to other sheets in the same workbook using Filter actions and Highlight actions.
Name
Run On
Source
Fields
Add Action >
Edit...
Remove
Show actions for all sheets in this workbook
OK
Cancel


File
Data
Worksheet
Dashboard
Analysis
Map
New Worksheet Ctrl+M
Copy
Export
Clear
Actions...
Tooltip...
Show Title
Show Caption
Show Summary
Show Cards
Show Zoom Controls
Describe Sheet... Ctrl+E
Duplicate as Crosstab
Auto Updates
Run Update
Data
DimDate
Dimensions

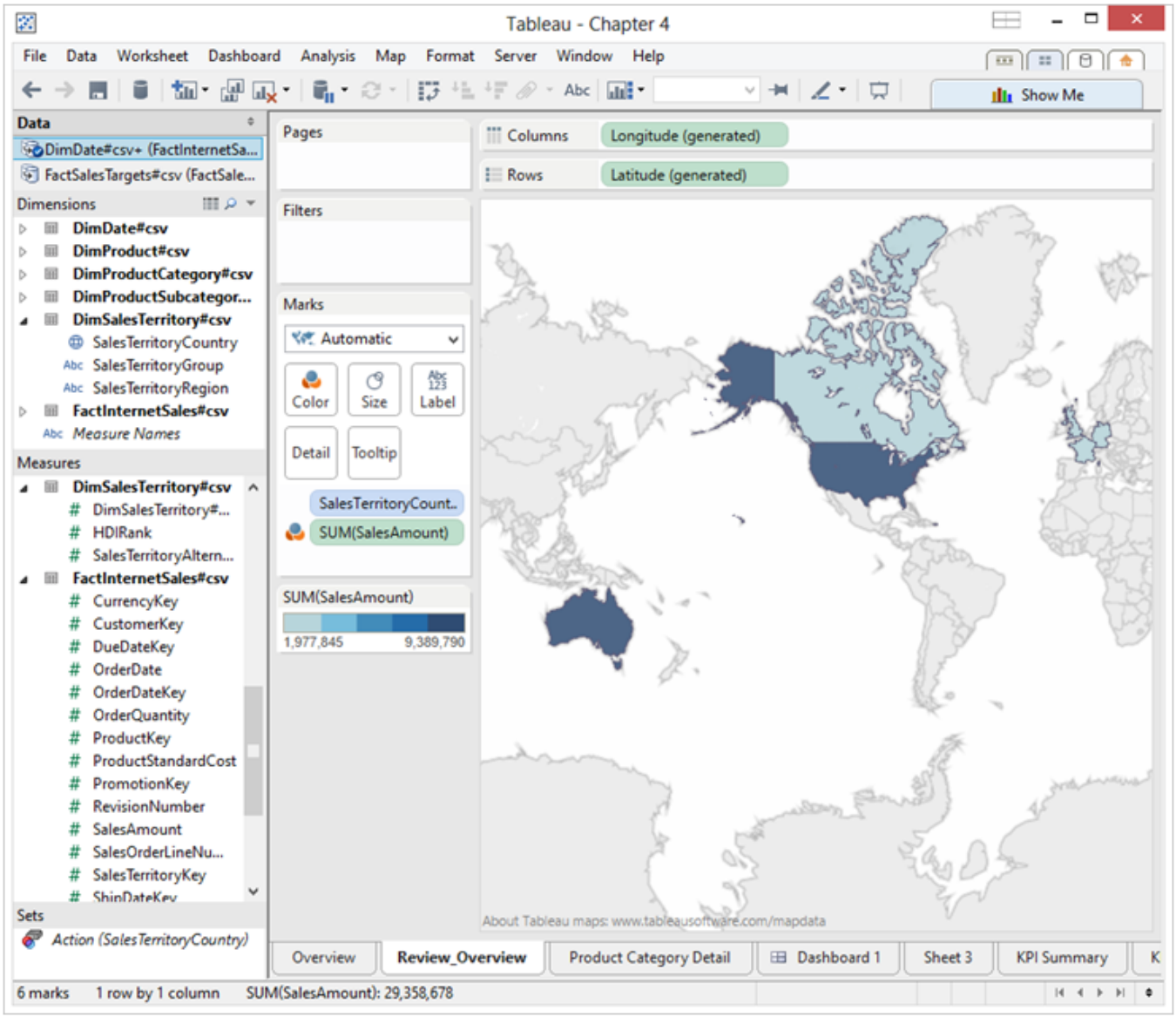
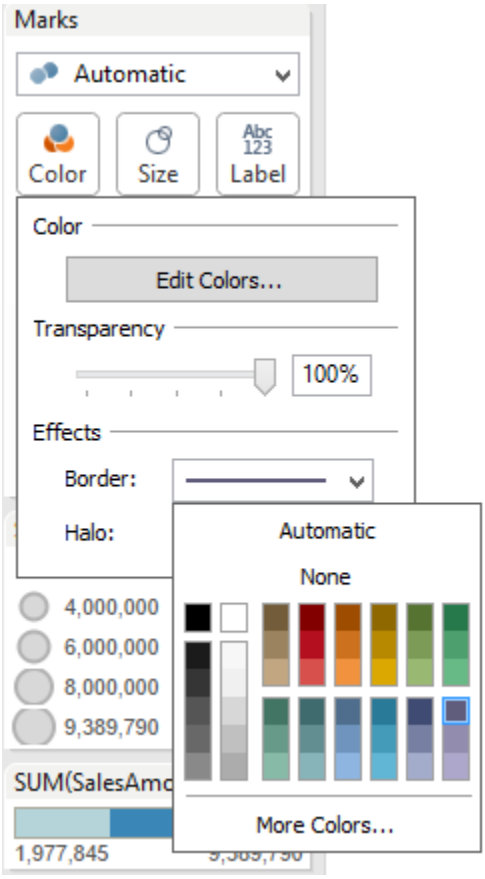
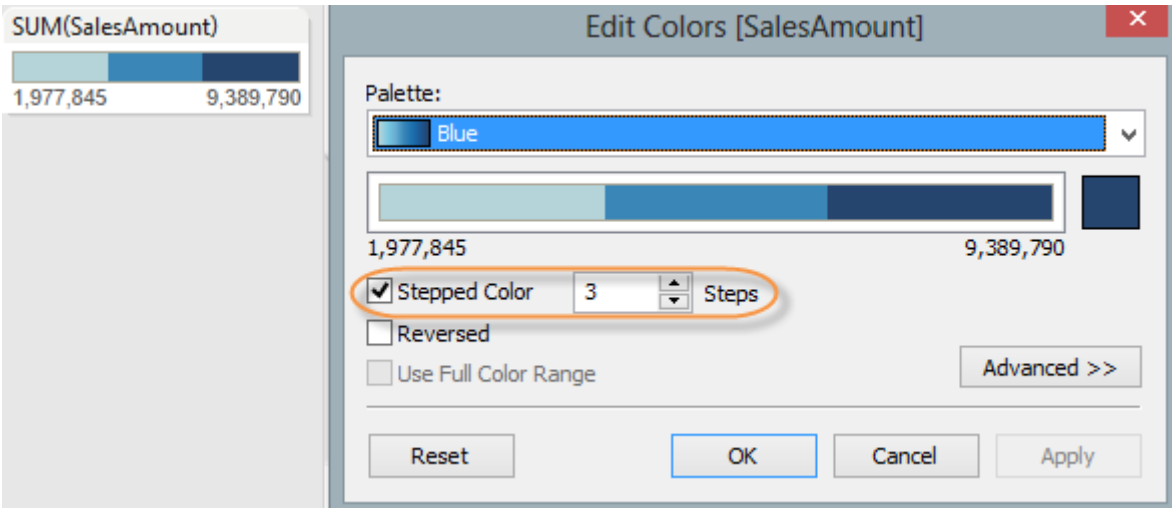


Tableau - Chapter 4
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Show Me
Data
DimDate#csv+ (FactInternetSa...
FactSalesTargets#csv (FactSale...
Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategor...
DimSalesTerritory#csv
SalesTerritoryCountry
SalesTerritoryGroup
SalesTerritoryRegion
FactInternetSales#csv
Measure Names
Measures
DimSalesTerritory#csv
DimSalesTerritory#...
HDIRank
SalesTerritoryAltern...
FactInternetSales#csv
CurrencyKey
CustomerKey
DueDateKey
OrderDate
OrderDateKey
OrderQuantity
ProductKey
ProductStandardCost
PromotionKey
RevisionNumber
SalesAmount
SalesOrderLineNu...
SalesTerritoryKey
ShipDateKey
Sets
Action (SalesTerritoryCountry)
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SalesTerritoryCount..
SUM(SalesAmount)
SUM(SalesAmount)
1,977,845
9,389,790
Columns
Longitude (generated)
Rows
Latitude (generated)
About Tableau maps: www.tableausoftware.com/mapdata
Overview
Review_Overview
Product Category Detail
Dashboard 1
Sheet 3
KPI Summary
6 marks
1 row by 1 column
SUM(SalesAmount): 29,358,678


Marks
Automatic
Color
Size
Label
Color
Edit Colors...
Transparency
100%
Effects
Border:
Halo:
Automatic
None
More Colors...
4,000,000
6,000,000
8,000,000
9,389,790
SUM(SalesAmo
1,977,845


SUM(SalesAmount)
1,977,845
9,389,790
Edit Colors [SalesAmount]
Palette:
Blue
1,977,845
9,389,790
Stepped Color
3
Steps
Reversed
Use Full Color Range
Advanced >>
Reset
OK
Cancel
Apply

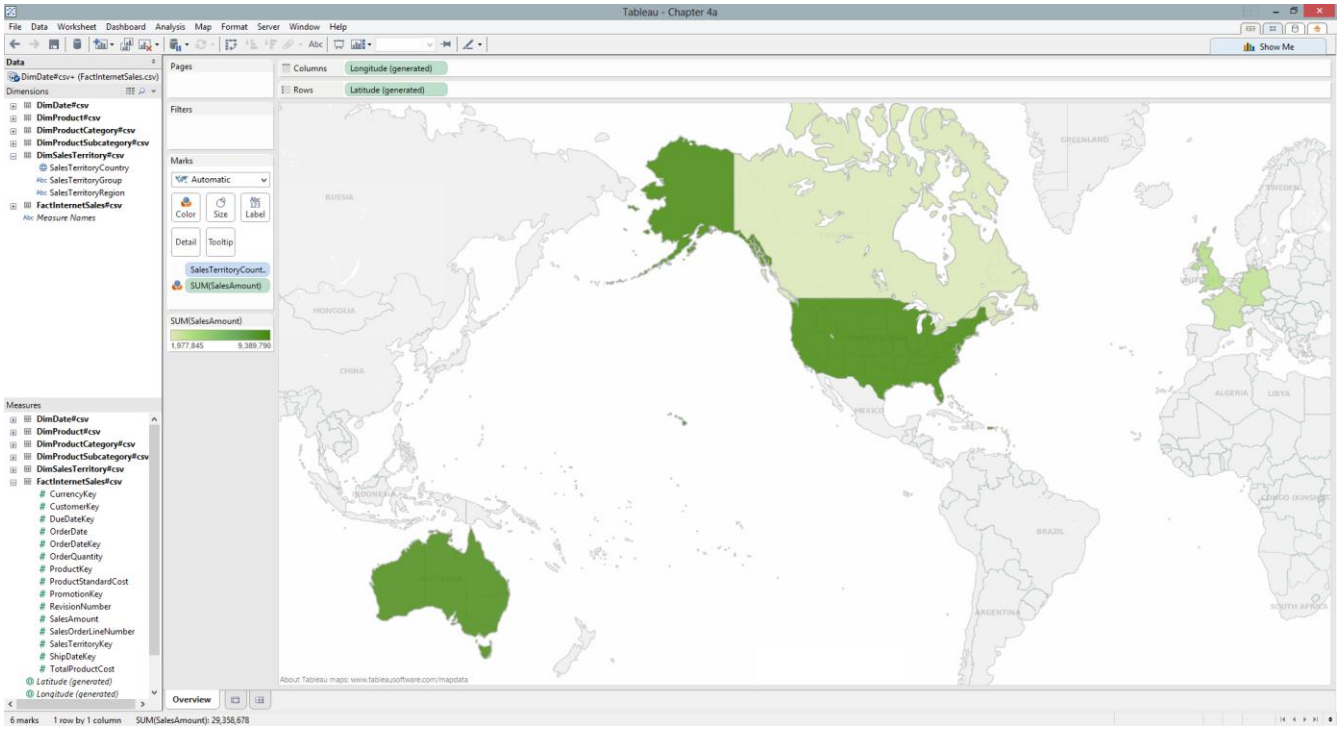
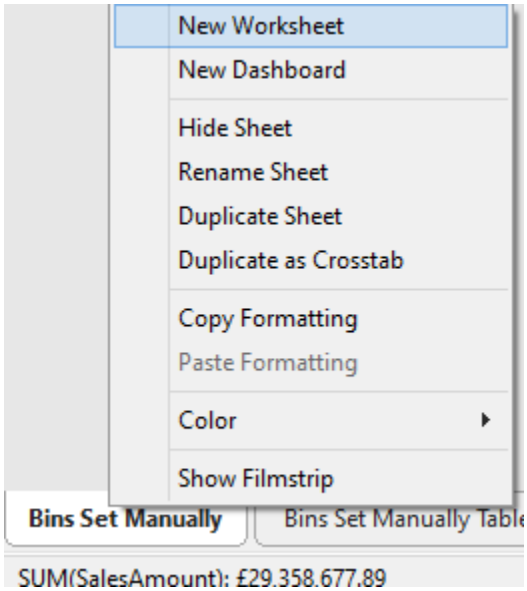
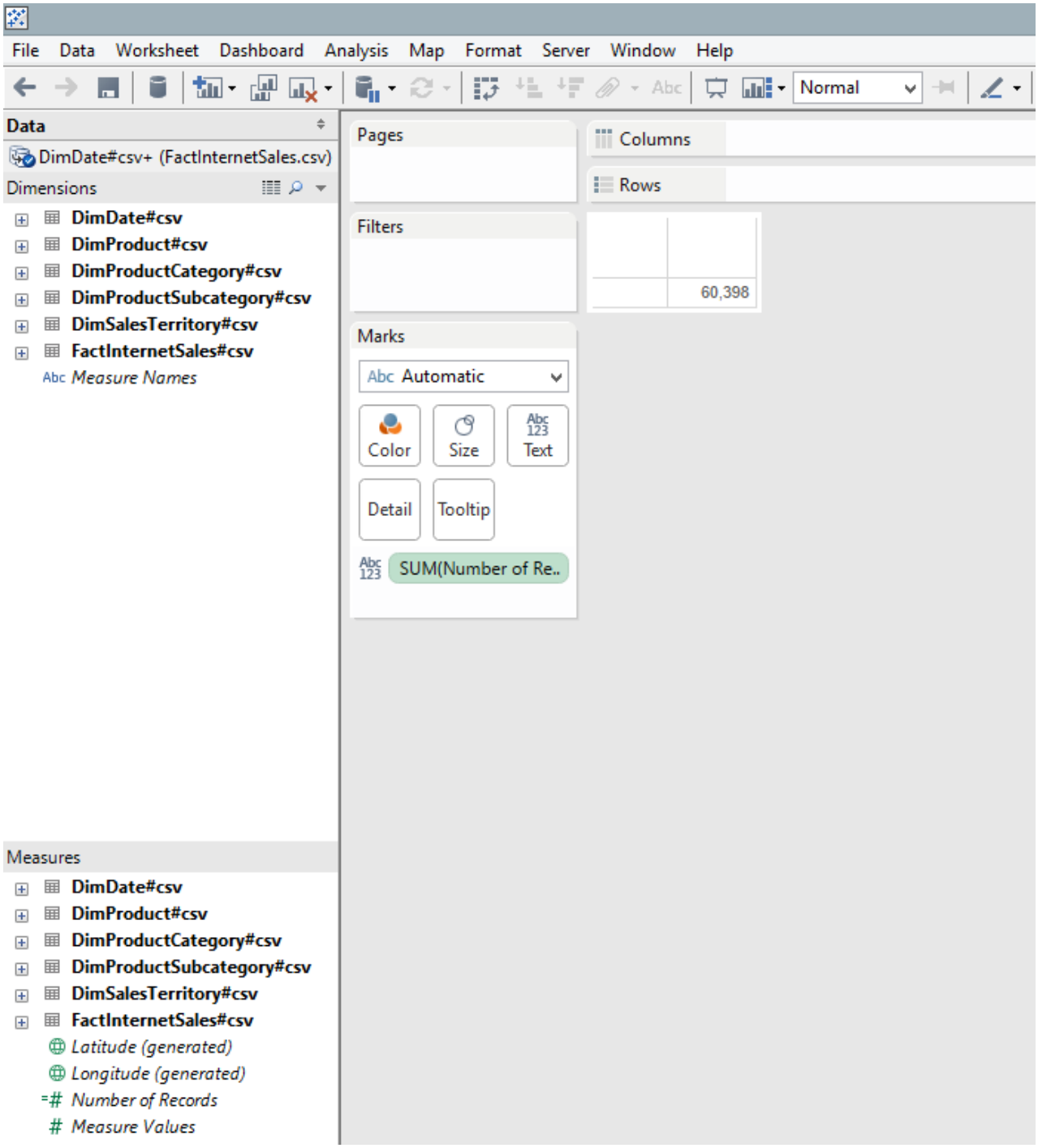
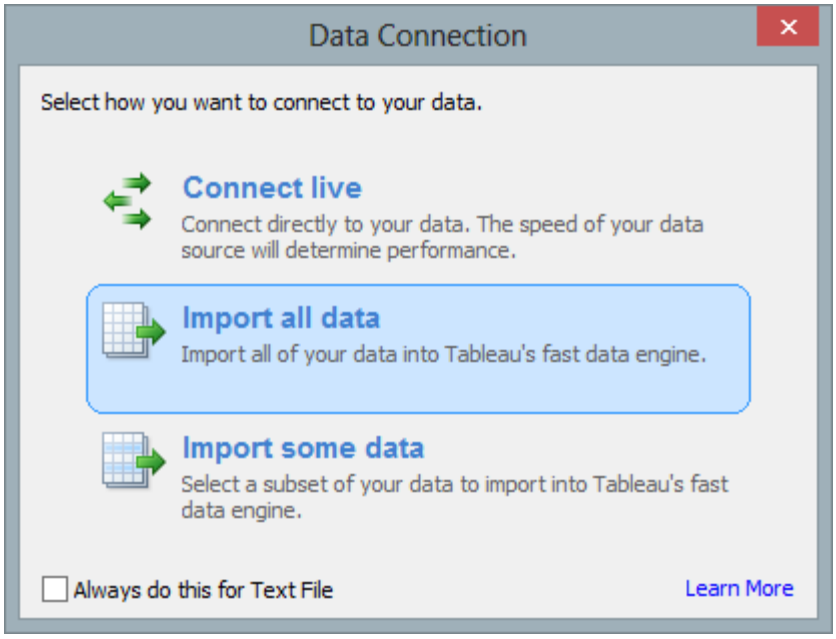


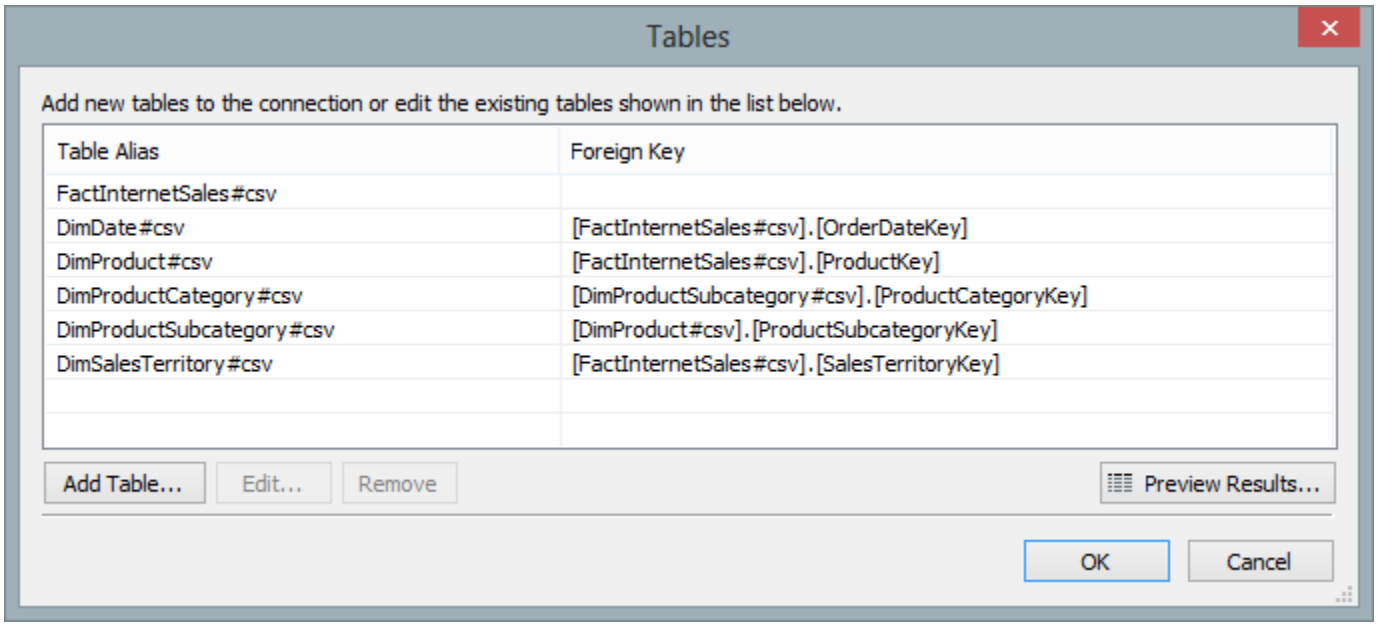
Tableau - Chapter 4a
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Show Me
Data
DimDate#csv+ (FactInternetSales.csv)
Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#csv
DimSalesTerritory#csv
SalesTerritoryCountry
SalesTerritoryGroup
SalesTerritoryRegion
FactInternetSales#csv
Measure Names
Measures
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#csv
DimSalesTerritory#csv
FactInternetSales#csv
CurrencyKey
CustomerKey
DueDateKey
OrderDate
OrderDateKey
OrderQuantity
ProductKey
ProductStandardCost
PromotionKey
RevisionNumber
SalesAmount
SalesOrderLineNumber
SalesTerritoryKey
ShipDateKey
TotalProductCost
Latitude (generated)
Longitude (generated)
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SalesTerritoryCount..
SUM(SalesAmount)
SUM(SalesAmount)
1,977,845
9,389,790
Columns
Longitude (generated)
Rows
Latitude (generated)
GREENLAND
RUSSIA
SWEDEN
MONGOLIA
CHINA
ALGERIA
LIBYA
MEXICO
BRAZIL
ARGENTINA
SOUTH AFRICA
About Tableau maps: www.tableausoftware.com/mapdata
Overview
6 marks
1 row by 1 column
SUM(SalesAmount): 29,358,678

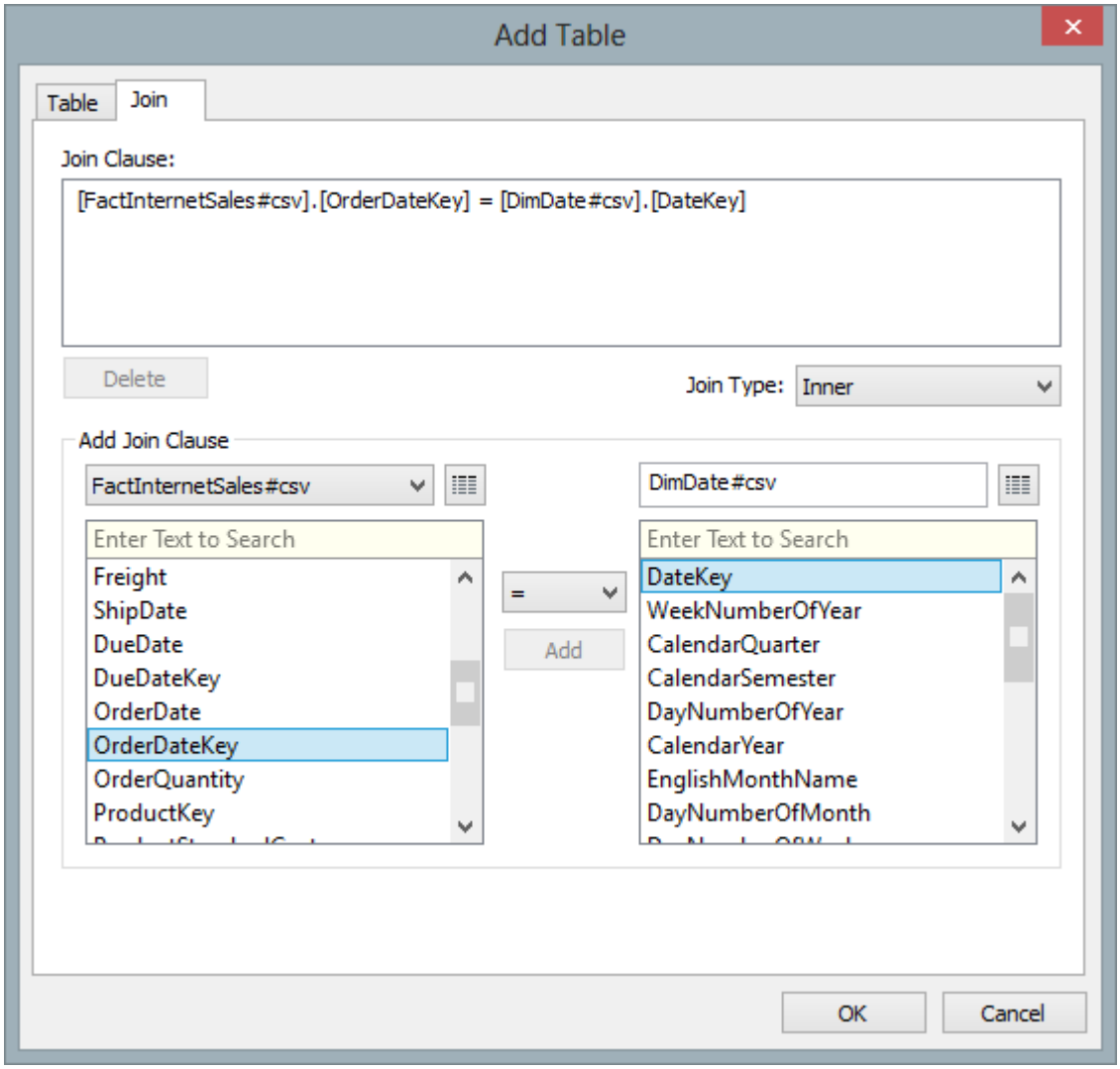
Show Me
For symbol maps try
1 geo dimension
0 or more dimensions
0 to 2 measures

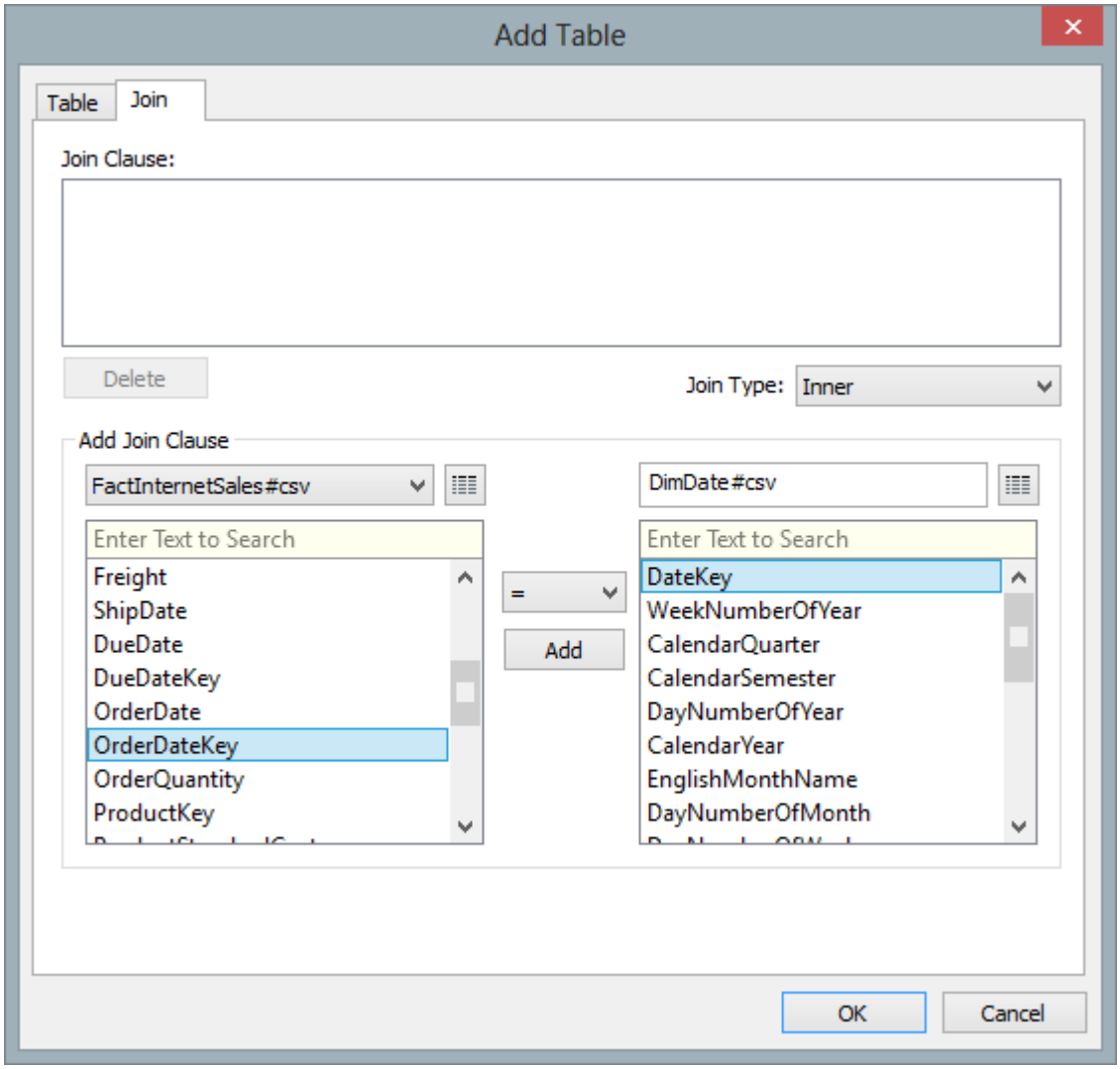

New Worksheet
New Dashboard
Hide Sheet
Rename Sheet
Duplicate Sheet
Duplicate as Crosstab
Copy Formatting
Paste Formatting
Color
Show Filmstrip
Bins Set Manually
Bins Set Manually Table
SUM(SalesAmount): £29,358,677.89

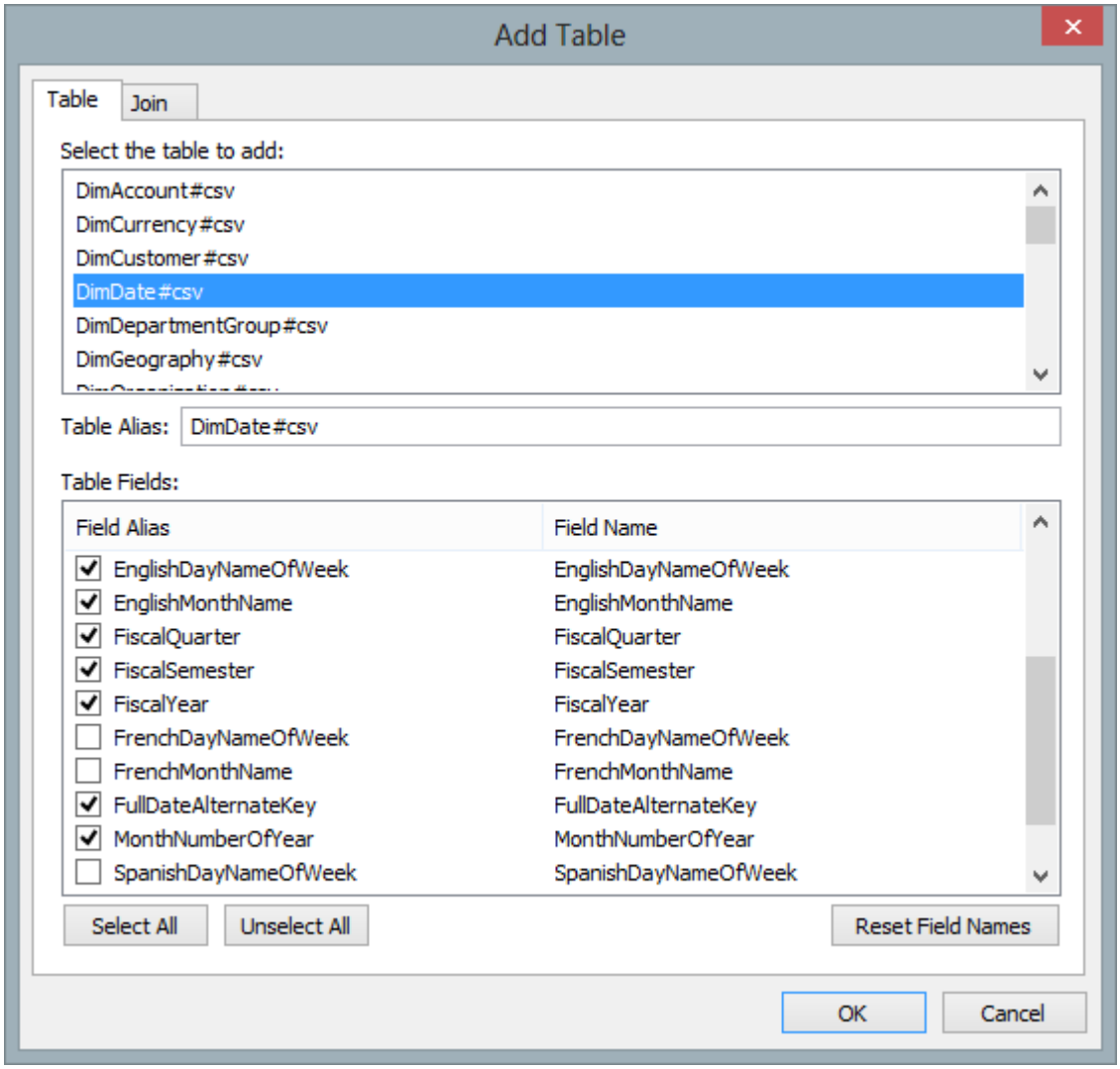

File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Data
DimDate#csv+ (FactInternetSales.csv)
Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#csv
DimSalesTerritory#csv
FactInternetSales#csv
Measure Names
Measures
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#csv
DimSalesTerritory#csv
FactInternetSales#csv
Latitude (generated)
Longitude (generated)
Number of Records
Measure Values
Pages
Columns
Rows
Filters
60,398
Marks
Automatic
Color
Size
Text
Detail
Tooltip
SUM(Number of Re..

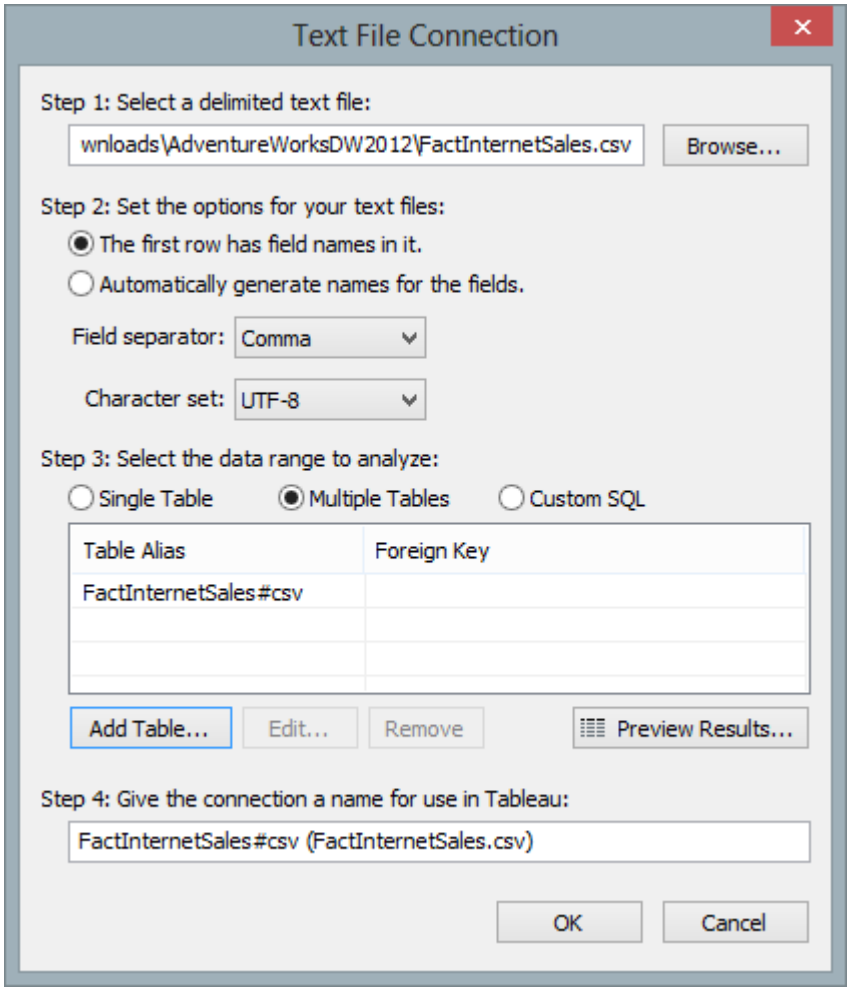

Data Connection
Select how you want to connect to your data.
Connect live
Connect directly to your data. The speed of your data source will determine performance.
Import all data
Import all of your data into Tableau's fast data engine.
Import some data
Select a subset of your data to import into Tableau's fast data engine.
Always do this for Text File
Learn More

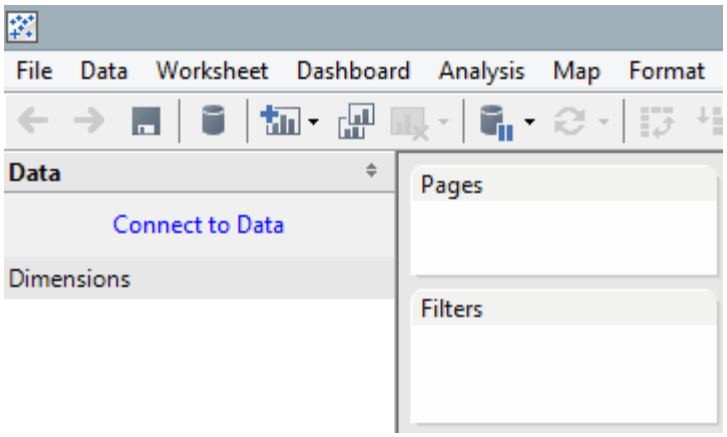

Tables
Add new tables to the connection or edit the existing tables shown in the list below.
Table Alias
Foreign Key
FactInternetSales#csv
DimDate#csv
[FactInternetSales#csv].[OrderDateKey]
DimProduct#csv
[FactInternetSales#csv].[ProductKey]
DimProductCategory#csv
[DimProductSubcategory#csv].[ProductCategoryKey]
DimProductSubcategory#csv
[DimProduct#csv].[ProductSubcategoryKey]
DimSalesTerritory#csv
[FactInternetSales#csv].[SalesTerritoryKey]
Add Table...
Edit...
Remove
Preview Results...
OK
Cancel


Add Table
Table
Join
Join Clause:
[FactInternetSales#csv].[OrderDateKey] = [DimDate#csv].[DateKey]
Delete
Join Type:
Inner
Add Join Clause
FactInternetSales#csv
DimDate#csv
Enter Text to Search
Enter Text to Search
Freight
ShipDate
DueDate
DueDateKey
OrderDate
OrderDateKey
OrderQuantity
ProductKey
=
Add
DateKey
WeekNumberOfYear
CalendarQuarter
CalendarSemester
DayNumberOfYear
CalendarYear
EnglishMonthName
DayNumberOfMonth
OK
Cancel

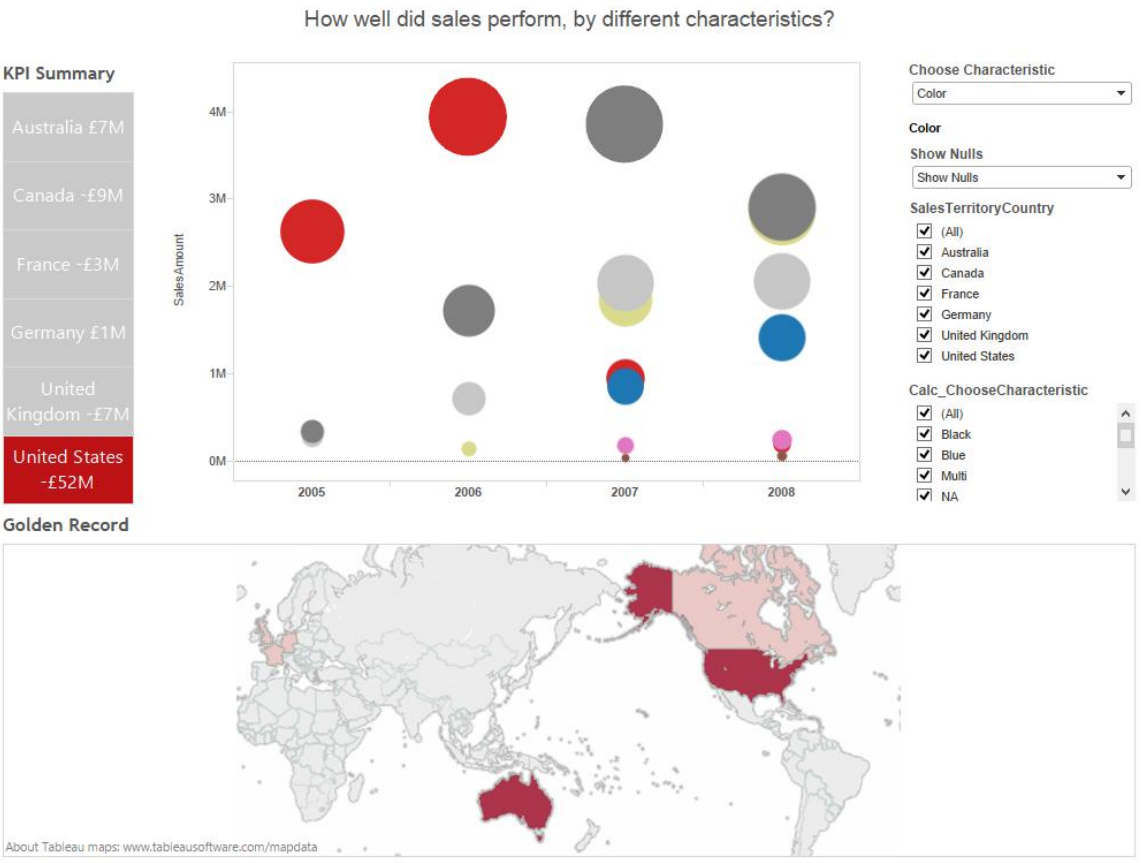

Add Table
Table
Join
Join Clause:
Delete
Join Type:
Inner
Add Join Clause
FactInternetSales#csv
DimDate#csv
Enter Text to Search
Enter Text to Search
Freight
ShipDate
DueDate
DueDateKey
OrderDate
OrderDateKey
OrderQuantity
ProductKey
=
Add
DateKey
WeekNumberOfYear
CalendarQuarter
CalendarSemester
DayNumberOfYear
CalendarYear
EnglishMonthName
DayNumberOfMonth
OK
Cancel

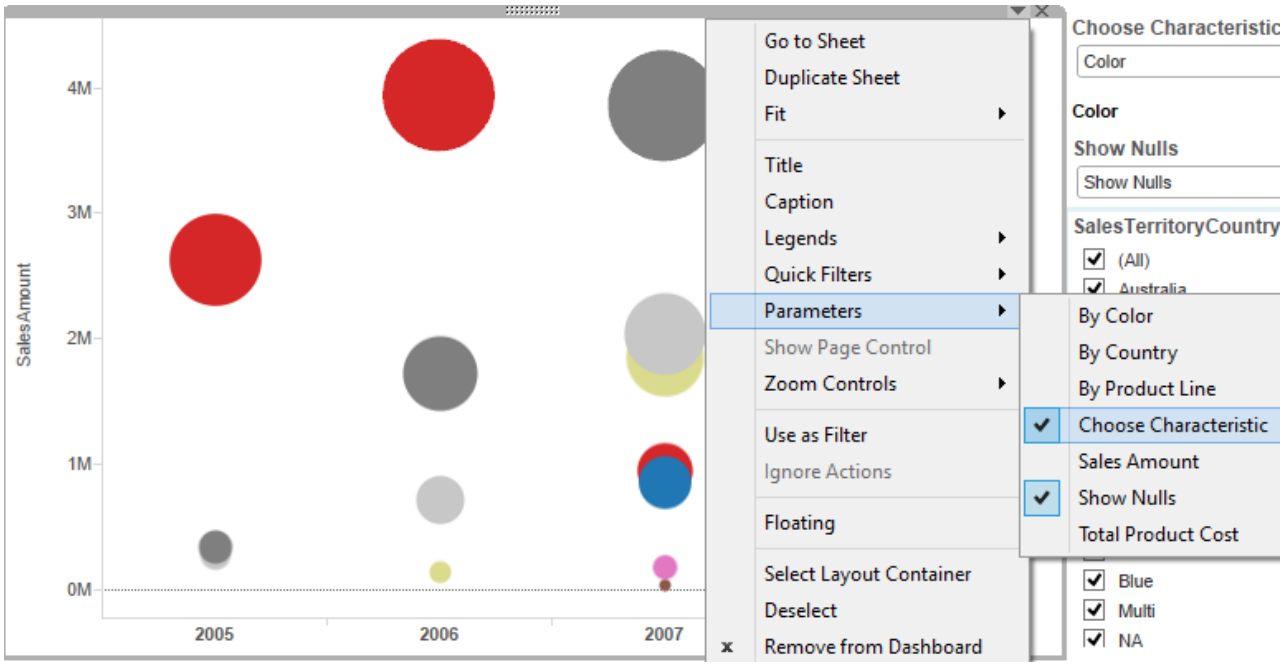

Add Table
Table
Join
Select the table to add:
DimAccount#csv
DimCurrency#csv
DimCustomer#csv
DimDate#csv
DimDepartmentGroup#csv
DimGeography#csv
Table Alias:
DimDate#csv
Table Fields:
Field Alias
Field Name
EnglishDayNameOfWeek
EnglishDayNameOfWeek
EnglishMonthName
EnglishMonthName
FiscalQuarter
FiscalQuarter
FiscalSemester
FiscalSemester
FiscalYear
FiscalYear
FrenchDayNameOfWeek
FrenchDayNameOfWeek
FrenchMonthName
FrenchMonthName
FullDateAlternateKey
FullDateAlternateKey
MonthNumberOfYear
MonthNumberOfYear
SpanishDayNameOfWeek
SpanishDayNameOfWeek
Select All
Unselect All
Reset Field Names
OK
Cancel

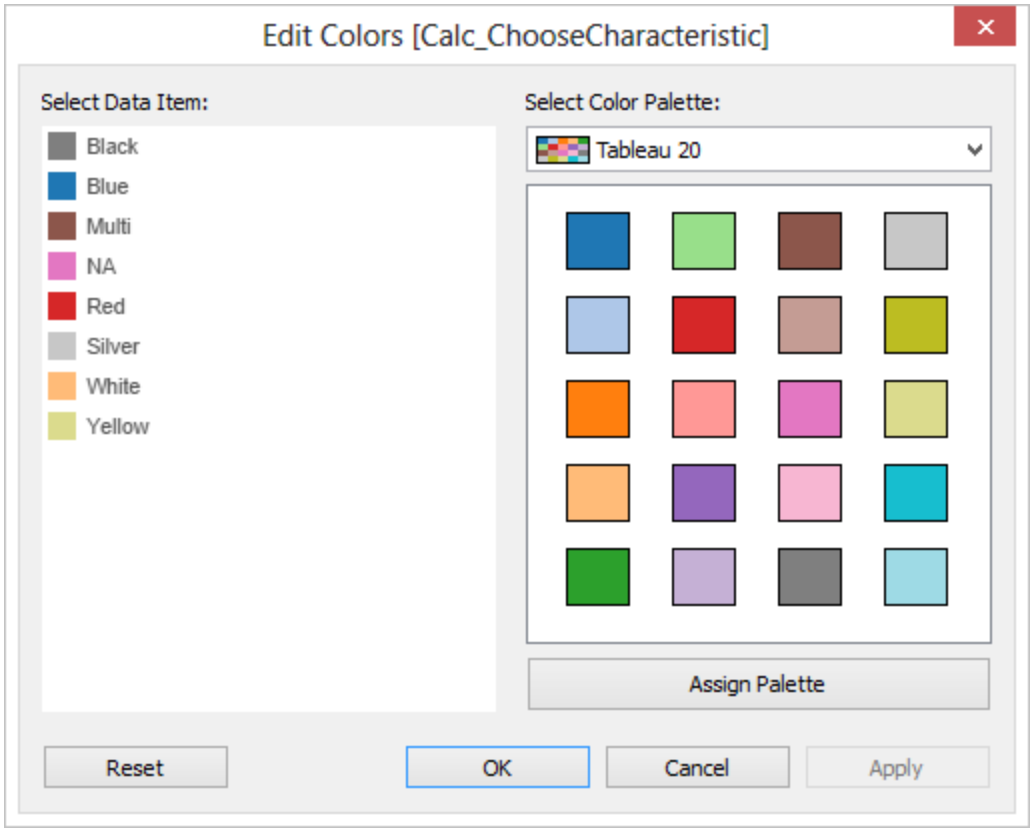

Text File Connection
Step 1: Select a delimited text file:
wnloads\AdventureWorksDW2012\FactInternetSales.csv
Browse...
Step 2: Set the options for your text files:
The first row has field names in it.
Automatically generate names for the fields.
Field separator:
Comma
Character set:
UTF-8
Step 3: Select the data range to analyze:
Single Table
Multiple Tables
Custom SQL
Table Alias
Foreign Key
FactInternetSales#csv
Add Table...
Edit...
Remove
Preview Results...
Step 4: Give the connection a name for use in Tableau:
FactInternetSales#csv (FactInternetSales.csv)
OK
Cancel

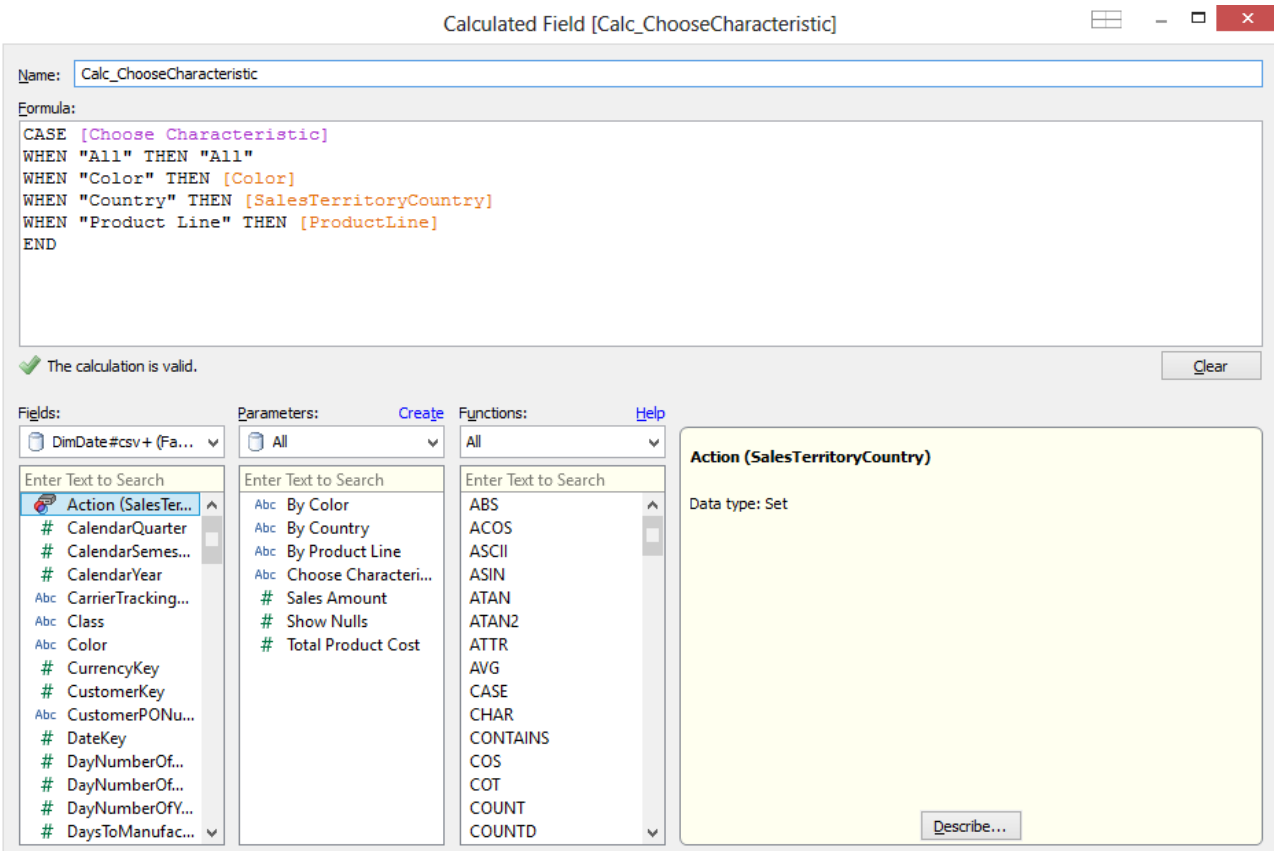

File
Data
Worksheet
Dashboard
Analysis
Map
Format
Data
Connect to Data
Dimensions
Pages
Filters

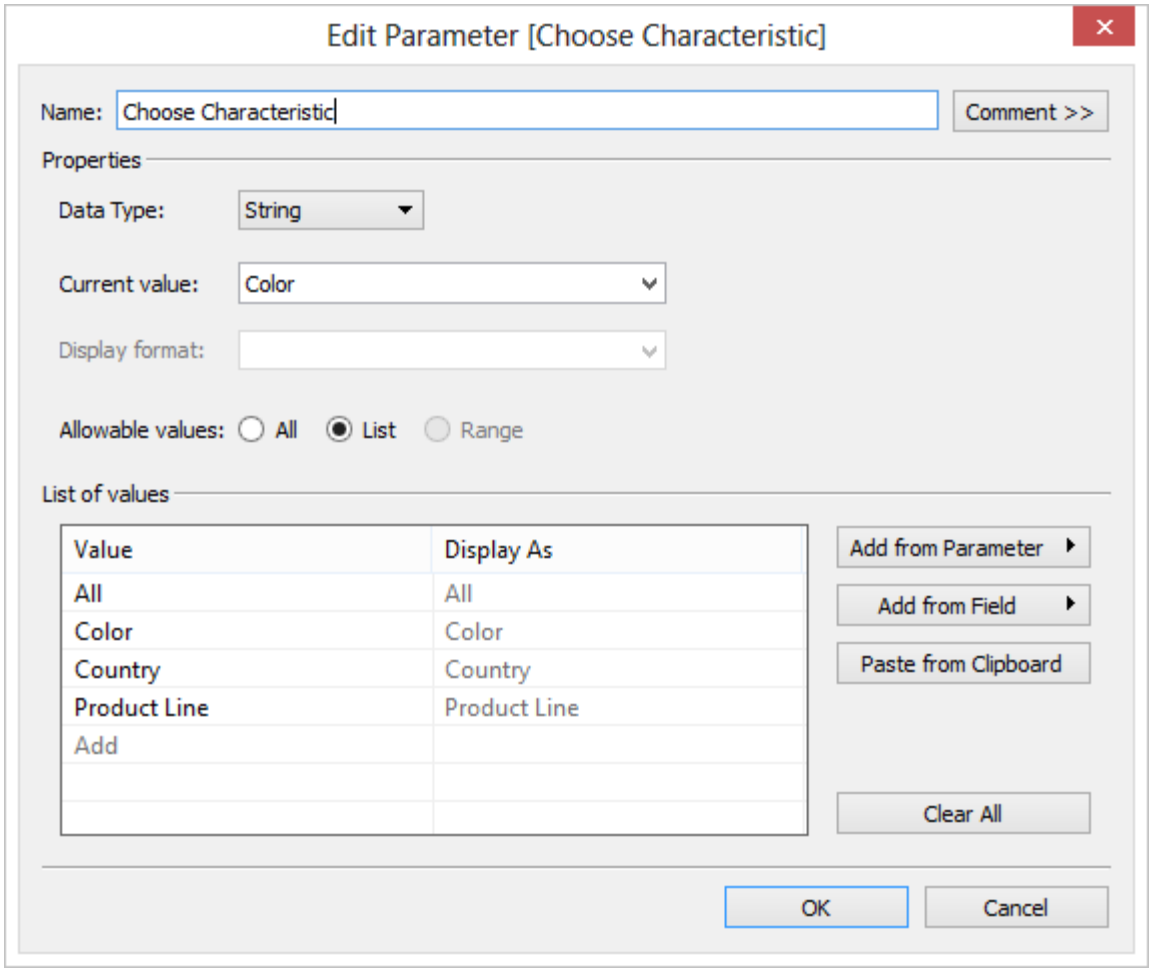
Chapter 5


How well did sales perform, by different characteristics?
KPI Summary
Australia £7M
Canada -£9M
France -£3M
Germany £1M
United Kingdom -£7M
United States -£52M
Golden Record
Sales Amount
4M
3M
2M
1M
0M
2005
2006
2007
2008
Choose Characteristic
Color
Color
Show Nulls
Show Nulls
SalesTerritoryCountry
(All)
Australia
Canada
France
Germany
United Kingdom
United States
Calc_ChooseCharacteristic
(All)
Black
Blue
Multi
NA
About Tableau maps: www.tableausoftware.com/mapdata


Sales Amount
4M
3M
2M
1M
0M
2005
2006
2007
Go to Sheet
Duplicate Sheet
Fit
Title
Caption
Legends
Quick Filters
Parameters
Show Page Control
Zoom Controls
Use as Filter
Ignore Actions
Floating
Select Layout Container
Deselect
Remove from Dashboard
By Color
By Country
By Product Line
Choose Characteristic
Sales Amount
Show Nulls
Total Product Cost
Choose Characteristic
Color
Color
Show Nulls
Show Nulls
SalesTerritoryCountry
(All)
Blue
Multi
NA


Edit Colors [Calc_ChooseCharacteristic]
Select Data Item:
Black
Blue
Multi
NA
Red
Silver
White
Yellow
Select Color Palette:
Tableau 20
Assign Palette
Reset
OK
Cancel
Apply


Calculated Field [Calc_ChooseCharacteristic]
Name: Calc_ChooseCharacteristic
Formula:
CASE [Choose Characteristic]
WHEN "All" THEN "All"
WHEN "Color" THEN [Color]
WHEN "Country" THEN [SalesTerritoryCountry]
WHEN "Product Line" THEN [ProductLine]
END
The calculation is valid.
Clear
Fields:
Parameters:
Create
Functions:
Help
DimDate#csv+ (Fa...
All
All
Enter Text to Search
Action (SalesTer...
CalendarQuarter
CalendarSemes...
CalendarYear
CarrierTracking...
Class
Color
CurrencyKey
CustomerKey
CustomerPONu...
DateKey
DayNumberOf...
DayNumberOf...
DayNumberOfY...
DaysToManufac...
By Color
By Country
By Product Line
Choose Characteri...
Sales Amount
Show Nulls
Total Product Cost
ABS
ACOS
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG
CASE
CHAR
CONTAINS
COS
COT
COUNT
COUNTD
Action (SalesTerritoryCountry)
Data type: Set
Describe...

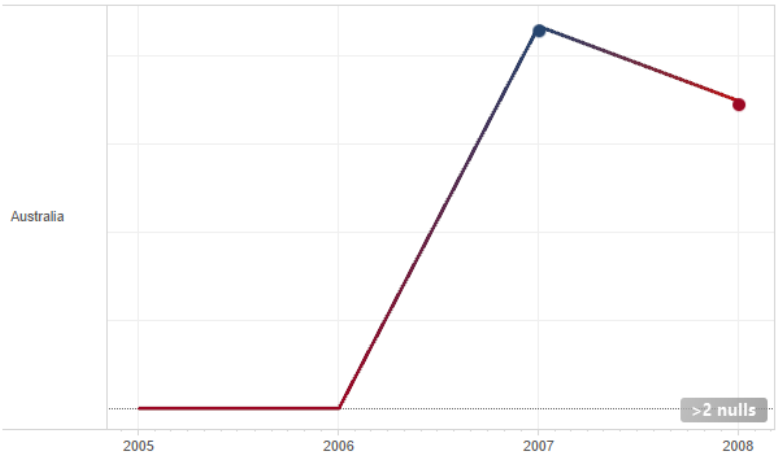

Edit Parameter [Choose Characteristic]
Name: Choose Characteristic
Comment >>
Properties
Data Type: String
Current value: Color
Display format:
Allowable values: All List Range
List of values
Value
Display As
All
All
Color
Color
Country
Country
Product Line
Product Line
Add
Add from Parameter
Add from Field
Paste from Clipboard
Clear All
OK
Cancel

How well did the countries perform?

KPI Summary

Australia £7M

KPI Sparkline



Difference between Actual and Target

£7M

Difference (Show or Hide)

1,743,884 2,166,784

Show Nulls

Show Nulls

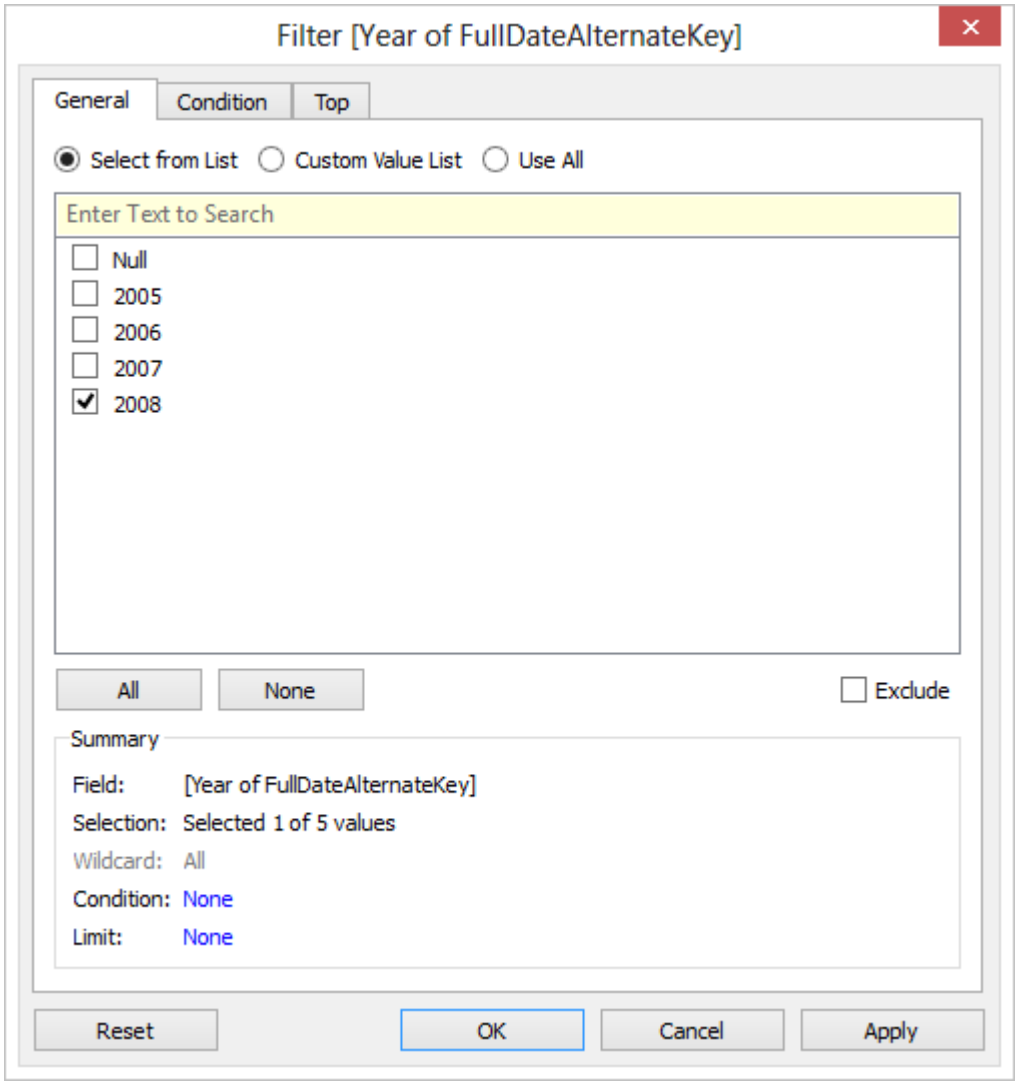
SalesTerritoryCountry

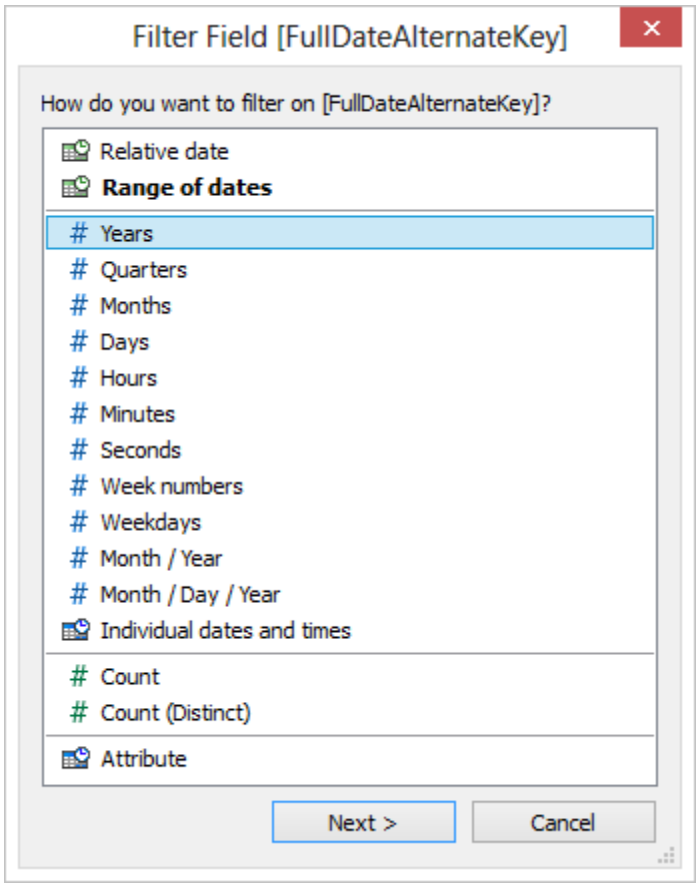
- [ ] (All)
- [x] Australia
- [ ] Canada
- [ ] France
- [ ] Germany
- [ ] United Kingdom
- [ ] United States

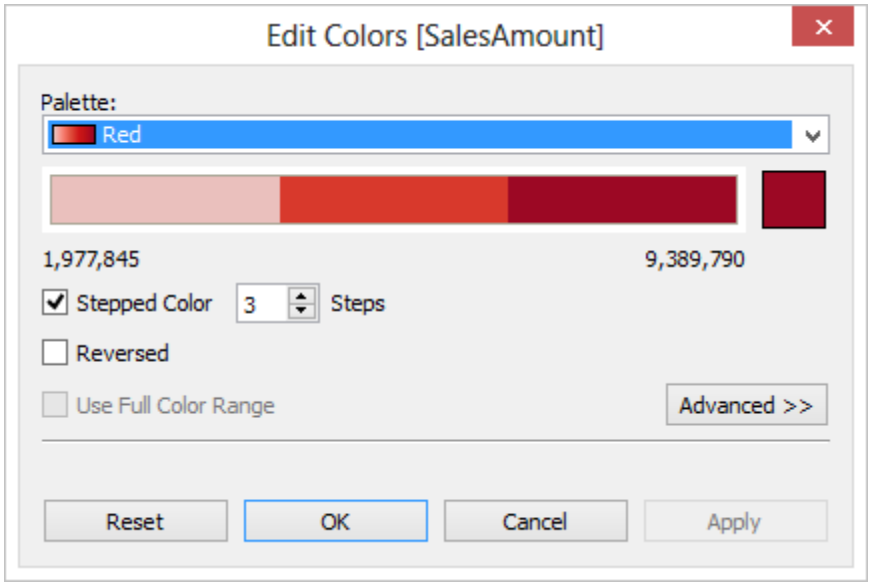
SalesAmount

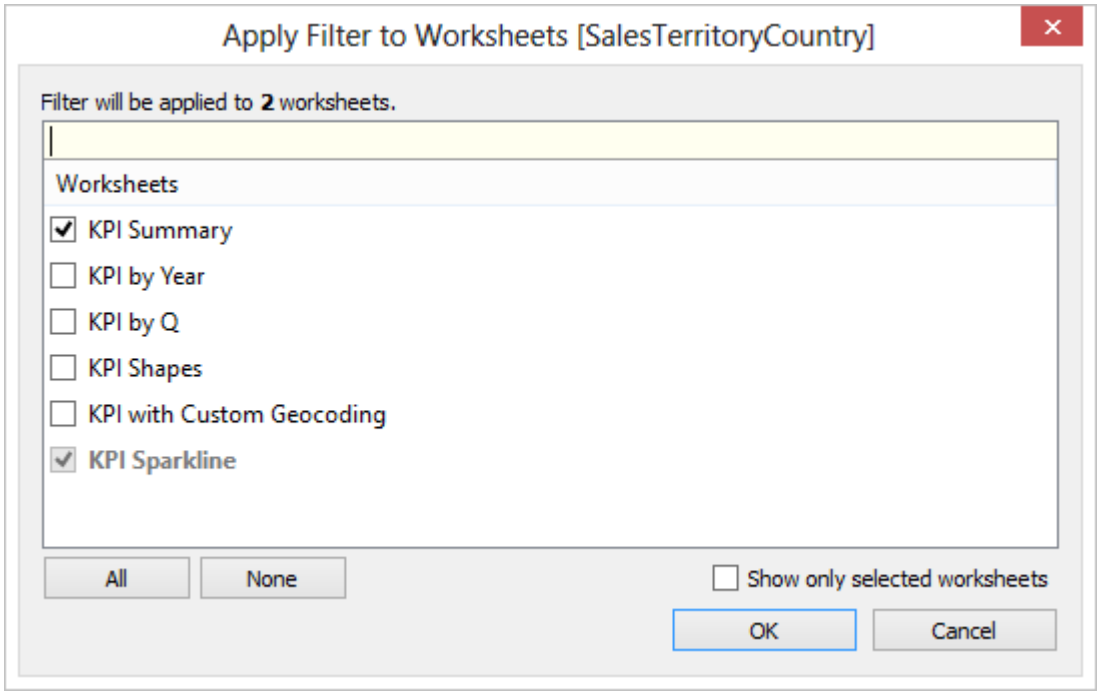
673,628 3,324,031

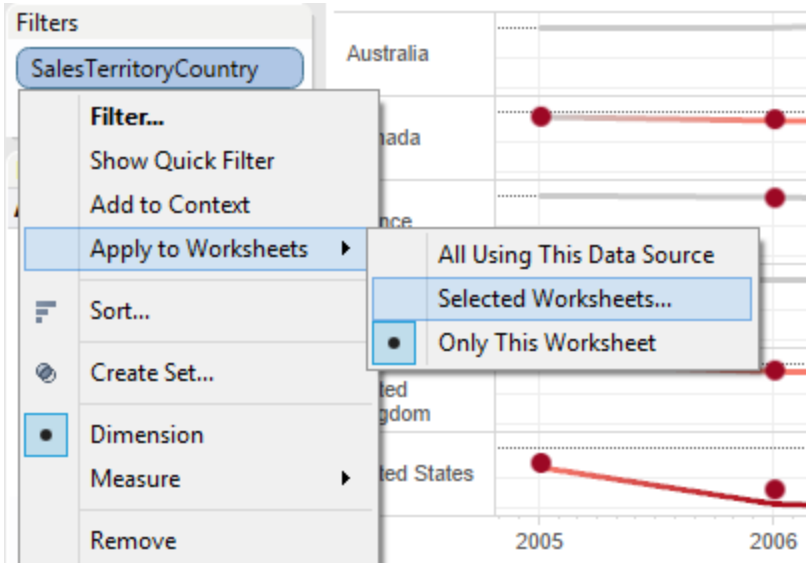
Golden Record


Filter [Year of FullDateAlternateKey]
General
Condition
Top
Select from List
Custom Value List
Use All
Enter Text to Search
Null
2005
2006
2007
2008
All
None
Exclude
Summary
Field: [Year of FullDateAlternateKey]
Selection: Selected 1 of 5 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel
Apply


Filter Field [FullDateAlternateKey]
How do you want to filter on [FullDateAlternateKey]?
Relative date
Range of dates
Years
Quarters
Months
Days
Hours
Minutes
Seconds
Week numbers
Weekdays
Month / Year
Month / Day / Year
Individual dates and times
Count
Count (Distinct)
Attribute
Next >
Cancel


Edit Colors [SalesAmount]
Palette:
Red
1,977,845
9,389,790
Stepped Color
3
Steps
Reversed
Use Full Color Range
Advanced >>
Reset
OK
Cancel
Apply


Apply Filter to Worksheets [SalesTerritoryCountry]
Filter will be applied to 2 worksheets.
Worksheets
KPI Summary
KPI by Year
KPI by Q
KPI Shapes
KPI with Custom Geocoding
KPI Sparkline
All
None
Show only selected worksheets
OK
Cancel

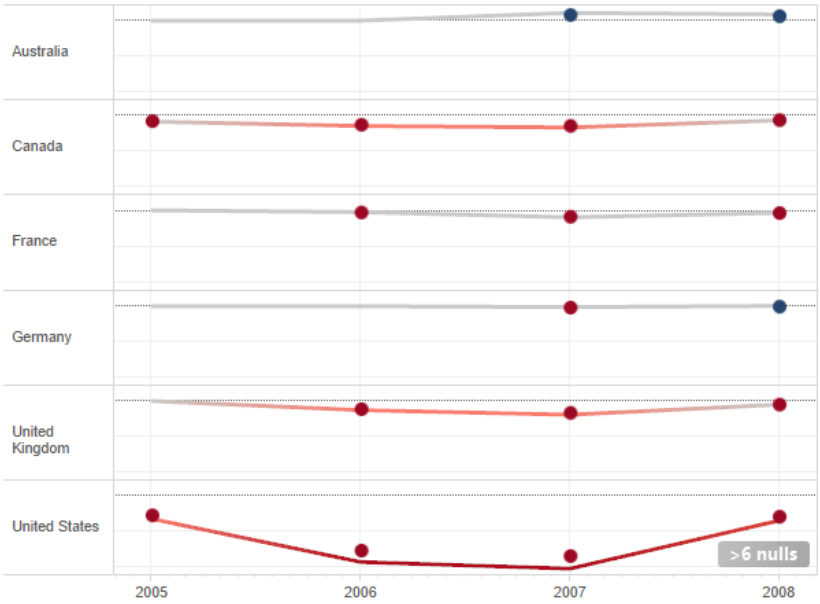

Filters
SalesTerritoryCountry
Filter...
Show Quick Filter
Add to Context
Apply to Worksheets
Sort...
Create Set...
Dimension
Measure
Remove
All Using This Data Source
Selected Worksheets...
Only This Worksheet
Australia
2005
2006

How well did the countries perform?

KPI Summary

Australia £7M
Canada -£9M
France -£3M
Germany £1M
United Kingdom -£7M
United States -£52M

KPI Sparkline



Difference between Actual and Target

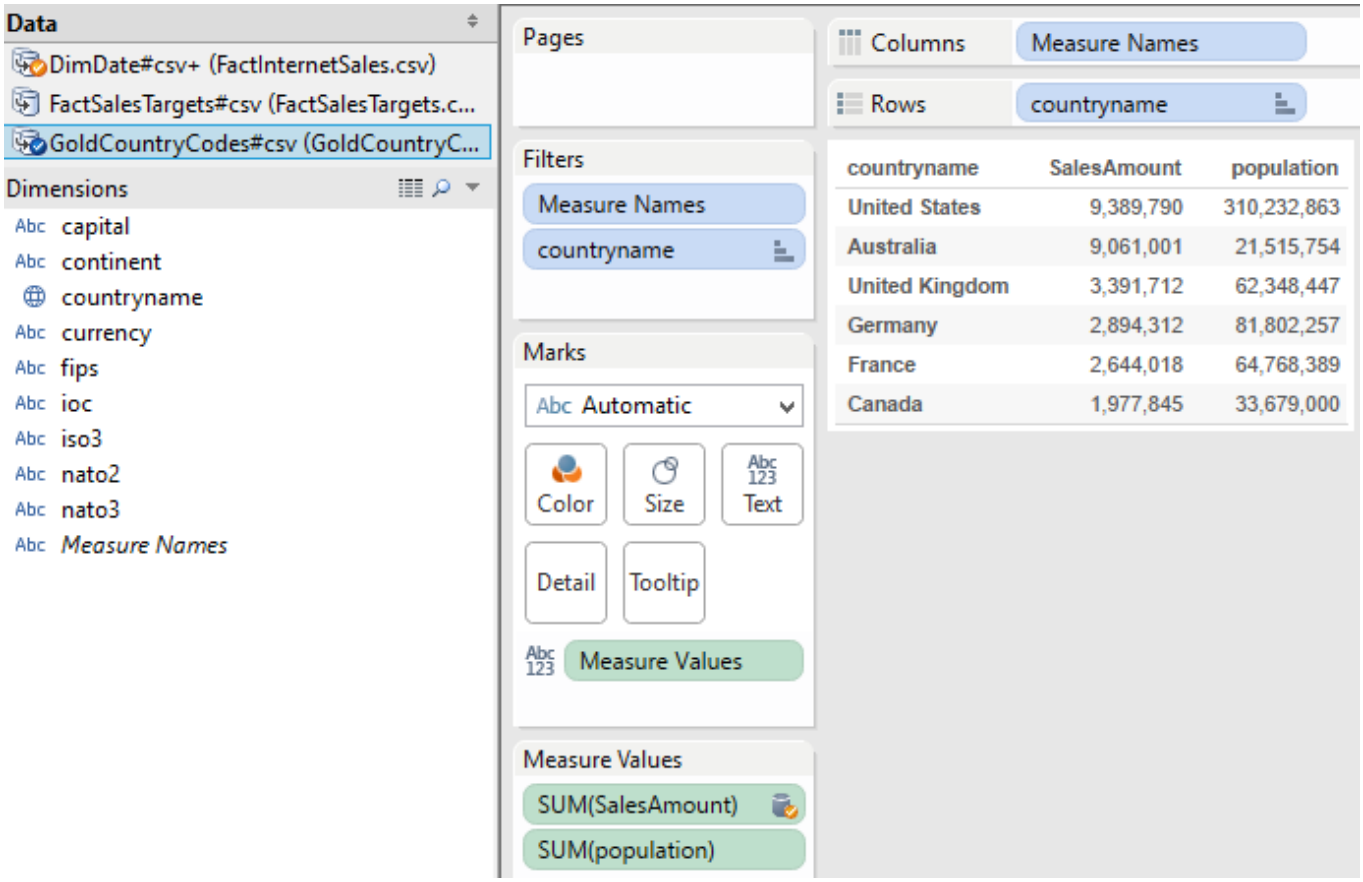
-£52M £10M

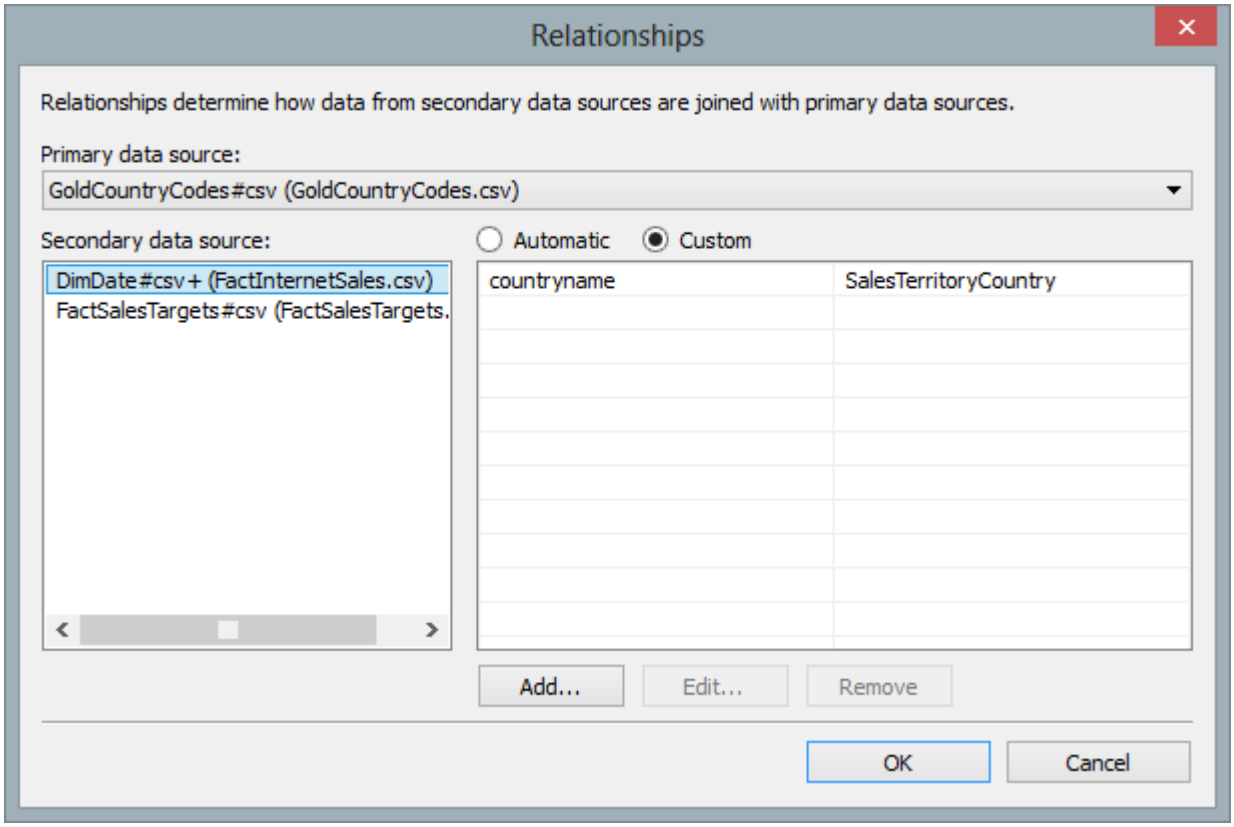
Difference (Show or Hide)

-20,423,487 20,423,487

Show Nulls

Show Nulls


Data
DimDate#csv+ (FactInternetSales.csv)
FactSalesTargets#csv (FactSalesTargets.c...
GoldCountryCodes#csv (GoldCountryC...
Dimensions
capital
continent
countryname
currency
fips
ioc
iso3
nato2
nato3
Measure Names
Pages
Filters
Measure Names
countryname
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
SUM(SalesAmount)
SUM(population)
Columns
Measure Names
Rows
countryname
countryname SalesAmount population
United States 9,389,790 310,232,863
Australia 9,061,001 21,515,754
United Kingdom 3,391,712 62,348,447
Germany 2,894,312 81,802,257
France 2,644,018 64,768,389
Canada 1,977,845 33,679,000


Relationships
Relationships determine how data from secondary data sources are joined with primary data sources.
Primary data source:
GoldCountryCodes#csv (GoldCountryCodes.csv)
Secondary data source:
DimDate#csv+ (FactInternetSales.csv)
FactSalesTargets#csv (FactSalesTargets.
Automatic
Custom
countryname
SalesTerritoryCountry
Add...
Edit...
Remove
OK
Cancel

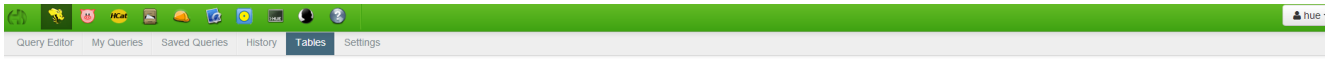


Table Metadata: countryinformation

ACTIONS
Import Data
Browse Data
Drop Table
View File Location

Columns | Sample

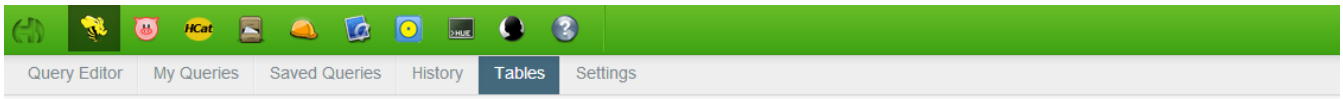
countryid	countryname	iso3	isonumeric	fips	continent	currency	countrycallingcode	ioc	nato2	nato3	capital	area	population
1	Afghanistan	AFG	4	AF	AS	AFN	93	AFG	AF	AFG	Kabul	647500	29121286
2	Albania	ALB	8	AL	EU	ALL	355	ALB	AL	ALB	Tirana	28748	2986952
3	Algeria	DZA	12	AG	AF	DZD	213	ALG	AG	DZA	Algiers	2381740	34586184
4	American Samoa	ASM	16	AQ	OC	USD	-683	ASA	SS	ASM	Pago Pago	199	57881
5	Andorra	AND	20	AN	EU	EUR	376	AND	AN	AND	Andorra la Vella	468	84000
6	Angola	AGO	24	AO	AF	AOA	244	ANG	AO	AGO	Luanda	1246700	13068161
7	Anguilla	AIA	660	AV	NA	XCD	-263	NULL	AV	AIA	The Valley	102	13254
8	Antigua and Barbuda	ATG	28	AC	NA	XCD	-267	ANT	AC	ATG	St. John's	443	86754
9	Argentina	ARG	32	AR	SA	ARS	54	ARG	AR	ARG	Buenos Aires	2766890	41343201
10	Armenia	ARM	51	AM	AS	AMD	374	ARM	AM	ARM	Yerevan	29800	2968000
11	Aruba	ABW	533	AA	NA	AWG	297	ARU	AA	ABW	Oranjestad	193	71566
12	Australia	AUS	36	AS	OC	AUD	61	AUS	AS	AUS	Canberra	7686850	21515754

Table Metadata: countryinformation

ACTIONS
Import Data
Browse Data
Drop Table
View File Location

Columns | Sample

Name	Type	Comment
area	string	Country Area in SQ M
capital	string	Capital City
continent	string	Continent
countrycallingcode	int	Country Calling Code
countryid	int	Country ID
countryname	string	Country Name
currency	string	Currency
fips	string	FIPS
ioc	string	IOC
iso3	string	ISO3 Column
isonumeric	int	ISO Numeric
nato2	string	NATO2 Classification
nato3	string	NATO3 Classification
population	string	Population



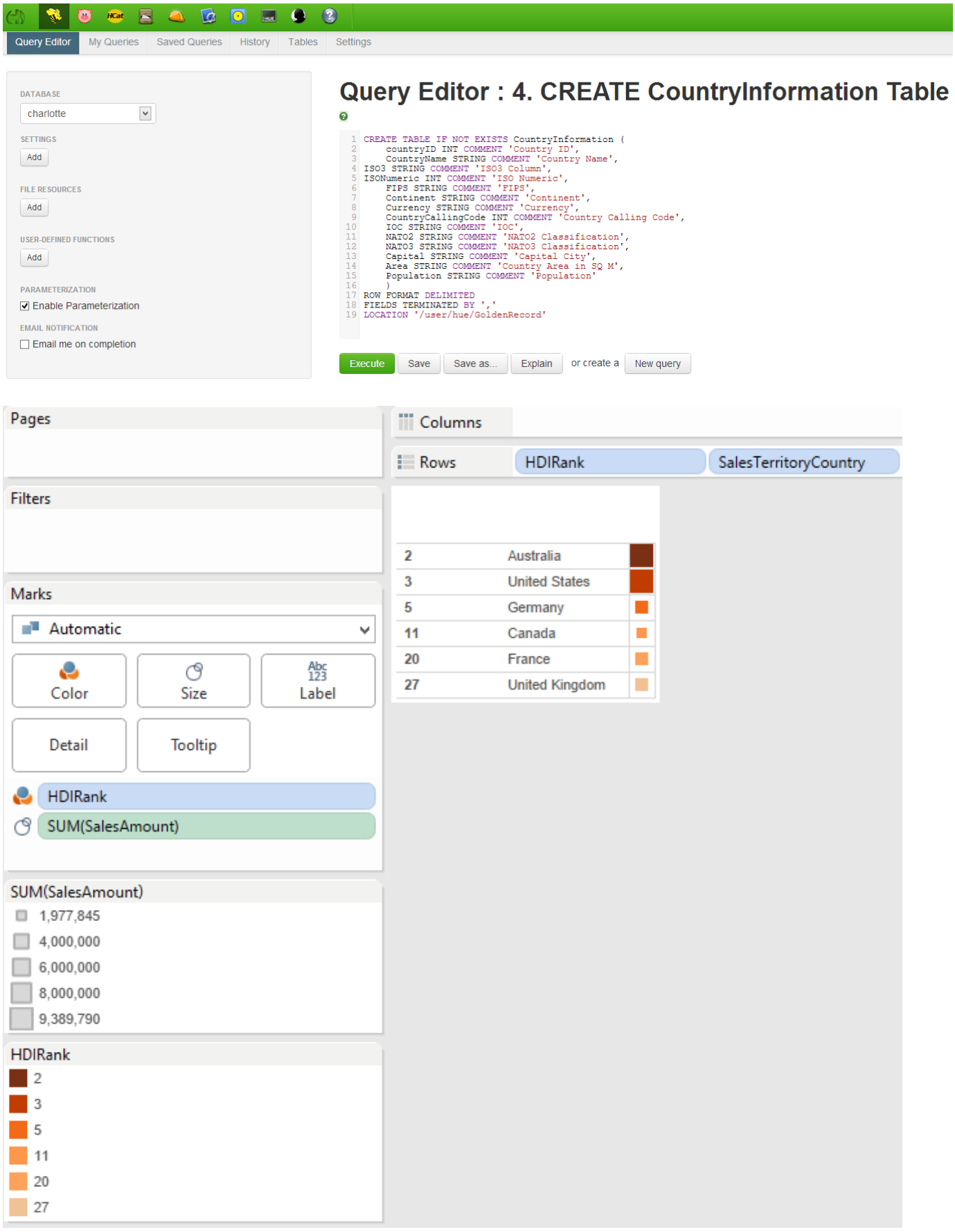
Tables

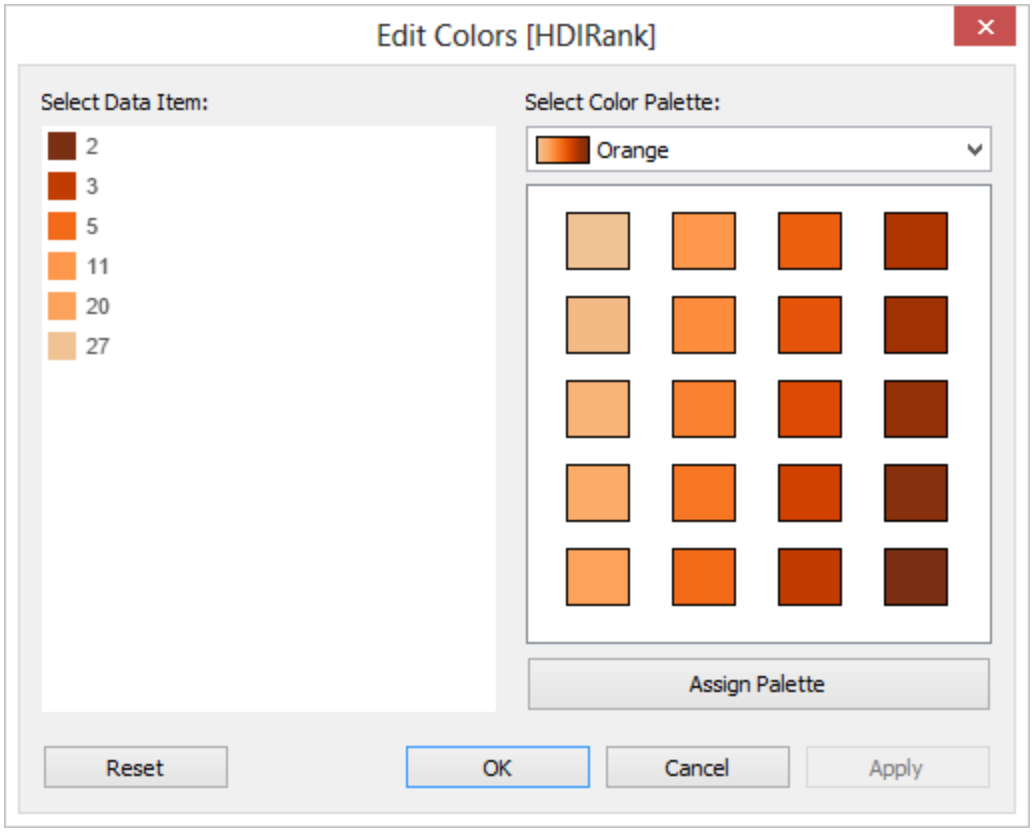
DATABASE
charlotte

ACTIONS
Create a new table from a file
Create a new table manually

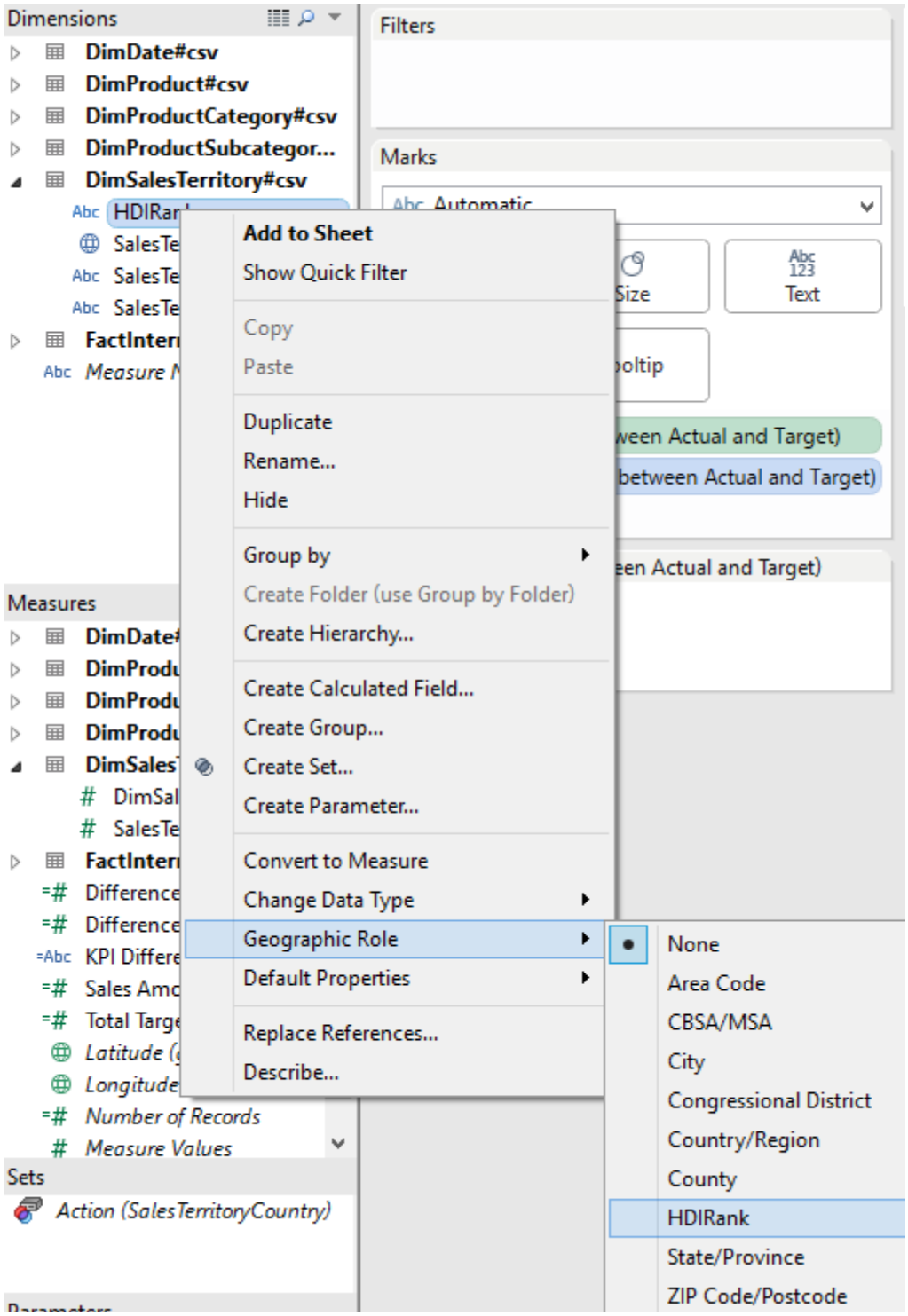
Search...
View
Browse Data
Drop

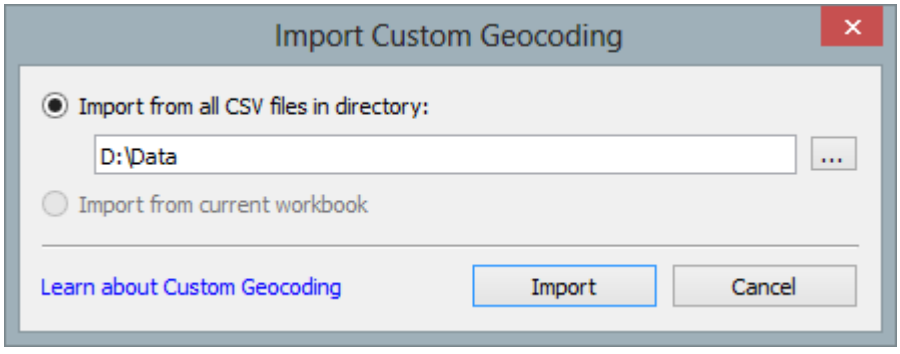
Table Name
countryinformation

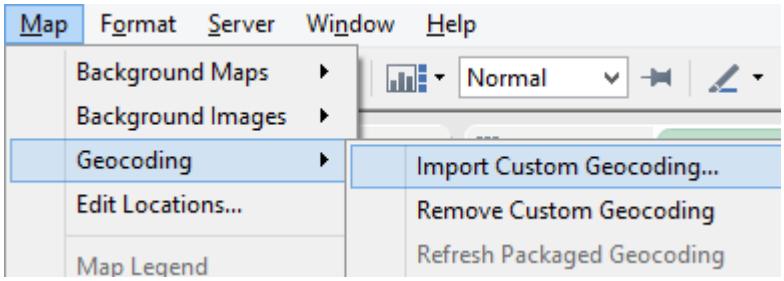

Query Editor
My Queries
Saved Queries
History
Tables
Settings
DATABASE
charlotte
SETTINGS
Add
FILE RESOURCES
Add
USER-DEFINED FUNCTIONS
Add
PARAMETERIZATION
Enable Parameterization
EMAIL NOTIFICATION
Email me on completion
Query Editor : 4. CREATE CountryInformation Table
CREATE TABLE IF NOT EXISTS CountryInformation (
countryID INT COMMENT 'Country ID',
CountryName STRING COMMENT 'Country Name',
ISO3 STRING COMMENT 'ISO3 Column',
ISONumeric INT COMMENT 'ISO Numeric',
FIPS STRING COMMENT 'FIPS',
Continent STRING COMMENT 'Continent',
Currency STRING COMMENT 'Currency',
CountryCallingCode INT COMMENT 'Country Calling Code',
IOC STRING COMMENT 'IOC',
NATO2 STRING COMMENT 'NATO2 Classification',
NATO3 STRING COMMENT 'NATO3 Classification',
Capital STRING COMMENT 'Capital City',
Area STRING COMMENT 'Country Area in SQ M',
Population STRING COMMENT 'Population'
)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ','
LOCATION '/user/hue/GoldenRecord'
Execute
Save
Save as...
Explain
or create a
New query
Pages
Columns
Rows
HDIRank
SalesTerritoryCountry
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
HDIRank
SUM(SalesAmount)
2 Australia
3 United States
5 Germany
11 Canada
20 France
27 United Kingdom
SUM(SalesAmount)
1,977,845
4,000,000
6,000,000
8,000,000
9,389,790
HDIRank
2
3
5
11
20
27

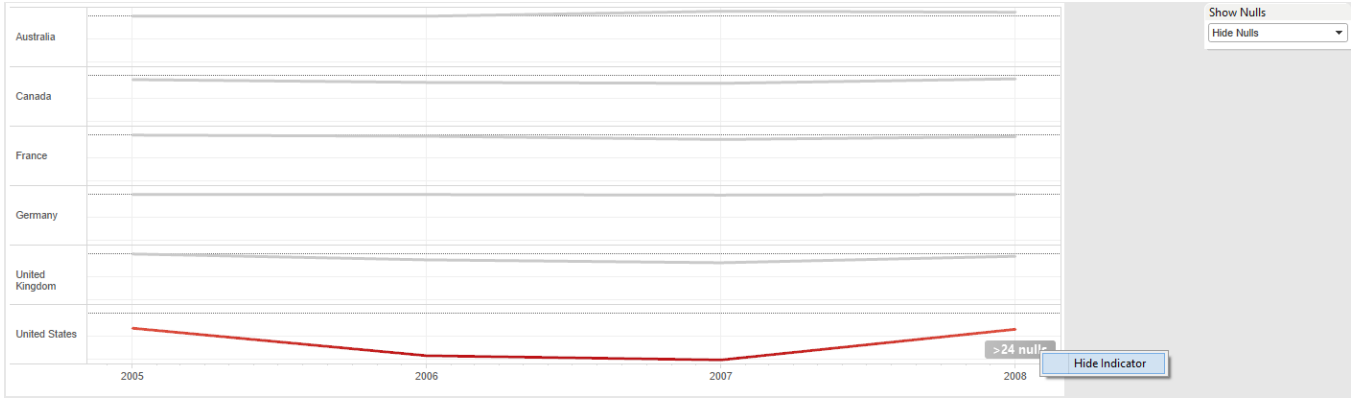


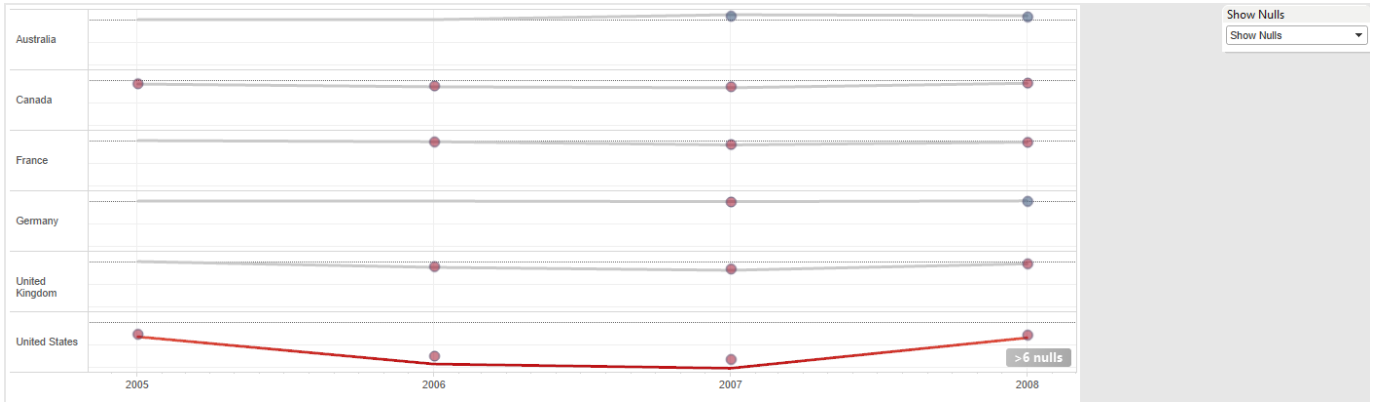
- **DimSalesTerritory#csv**
  - HDIRank
  - SalesTerritoryCountry
  - SalesTerritoryGroup
  - SalesTerritoryRegion

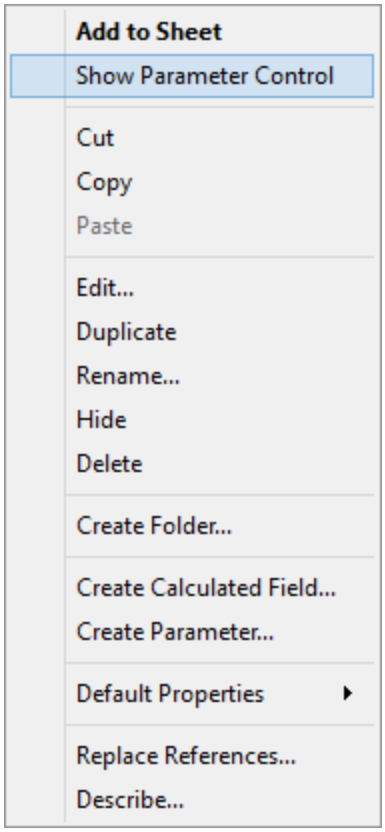

Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategor...
DimSalesTerritory#csv
Filters
Marks
Automatic
Size
Text
Add to Sheet
Show Quick Filter
Copy
Paste
Duplicate
Rename...
Hide
Group by
Create Folder (use Group by Folder)
Create Hierarchy...
Create Calculated Field...
Create Group...
Create Set...
Create Parameter...
Convert to Measure
Change Data Type
Geographic Role
Default Properties
Replace References...
Describe...
Measures
Number of Records
Measure Values
Sets
Action (SalesTerritoryCountry)
None
Area Code
CBSA/MSA
City
Congressional District
Country/Region
County
HDIRank
State/Province
ZIP Code/Postcode

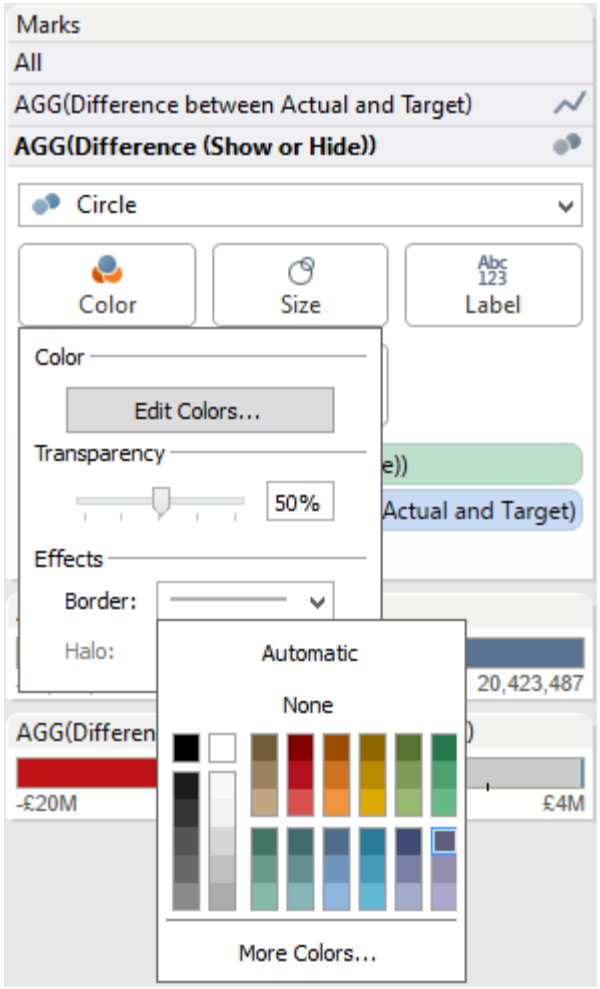

Import Custom Geocoding
Import from all CSV files in directory:
D:\Data
...
Import from current workbook
Learn about Custom Geocoding
Import
Cancel

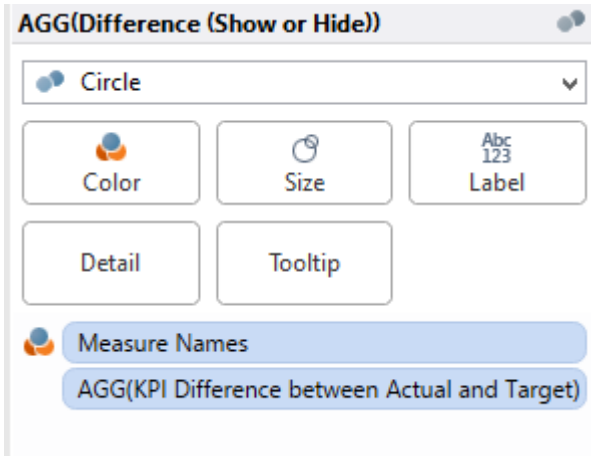

Map
Format
Server
Window
Help
Background Maps
Background Images
Geocoding
Edit Locations...
Map Legend
Normal
Import Custom Geocoding...
Remove Custom Geocoding
Refresh Packaged Geocoding

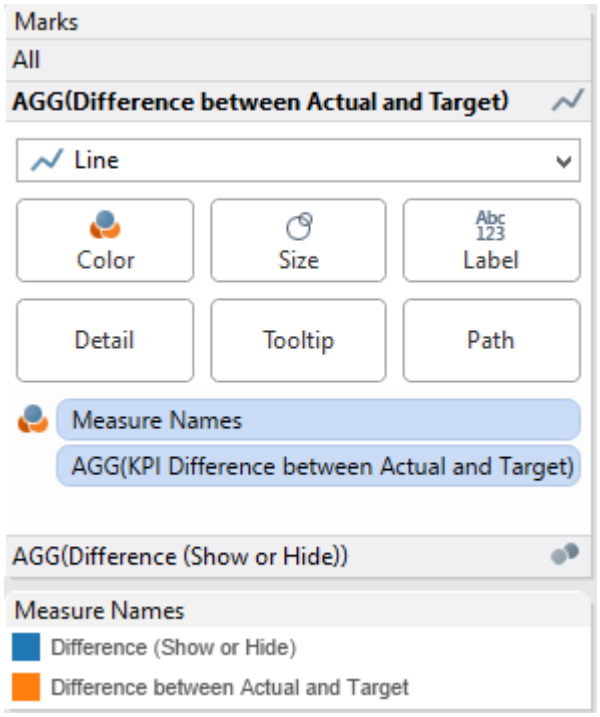

Australia
Canada
France
Germany
United Kingdom
United States
2005
2006
2007
2008
>24 nulls
Hide Indicator
Show Nulls
Hide Nulls

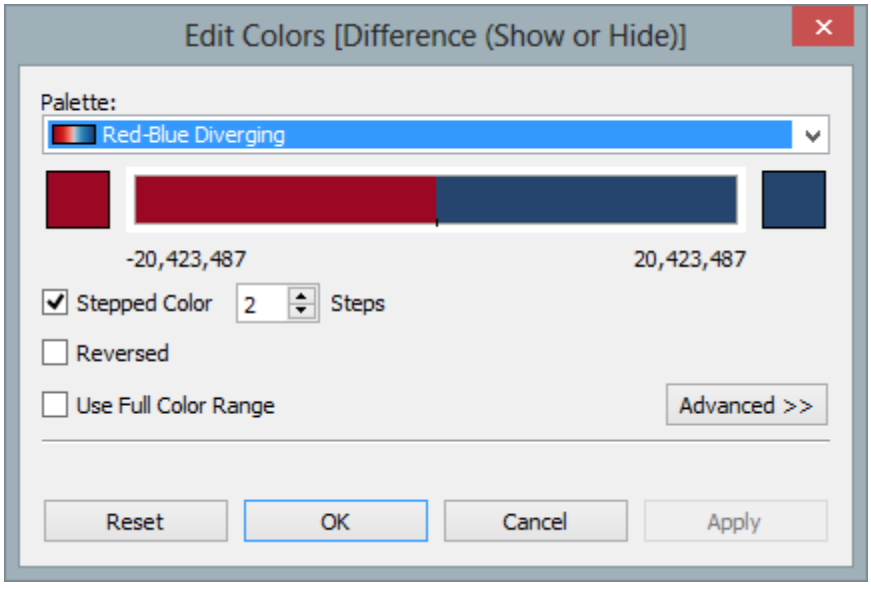

Australia
Canada
France
Germany
United Kingdom
United States
2005
2006
2007
2008
>6 nulls
Show Nulls
Show Nulls

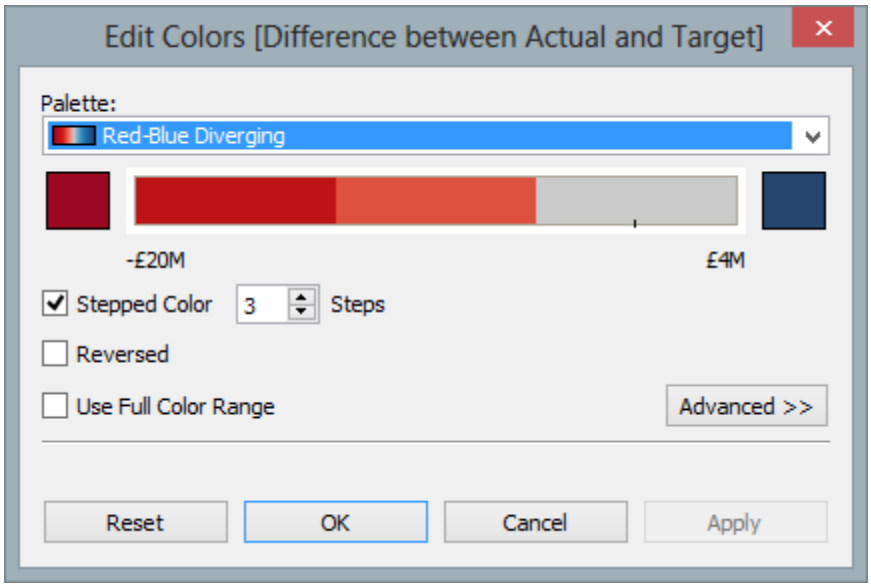

Add to Sheet
Show Parameter Control
Cut
Copy
Paste
Edit...
Duplicate
Rename...
Hide
Delete
Create Folder...
Create Calculated Field...
Create Parameter...
Default Properties
Replace References...
Describe...

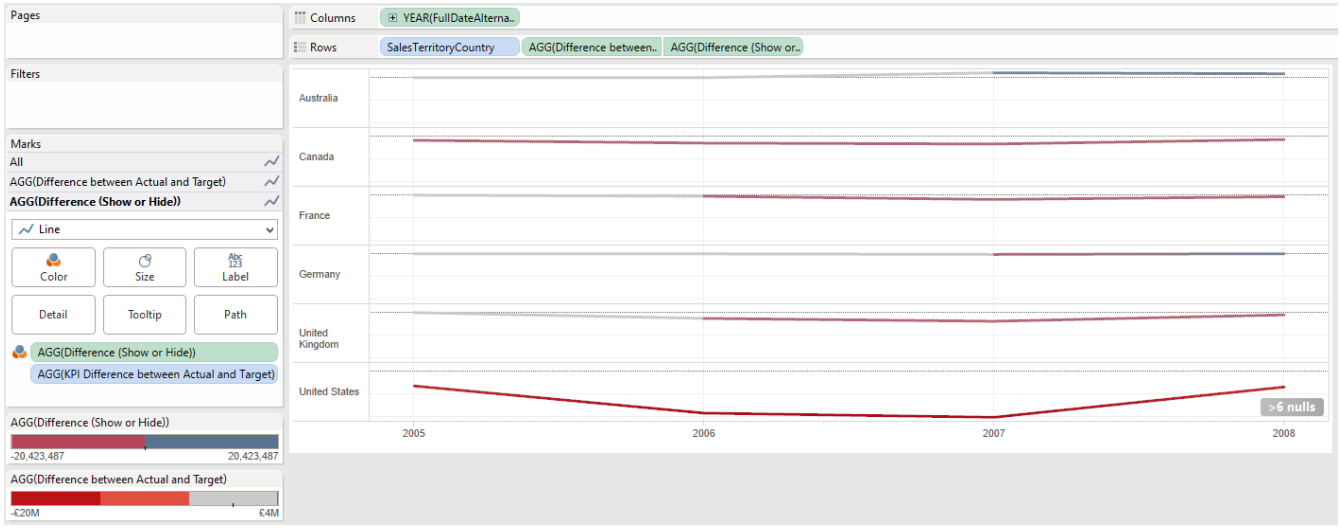

Marks
All
AGG(Difference between Actual and Target)
AGG(Difference (Show or Hide))
Circle
Color
Size
Label
Color
Edit Colors...
Transparency
50%
Effects
Border:
Halo:
Automatic
None
More Colors...
20,423,487
-£20M
£4M

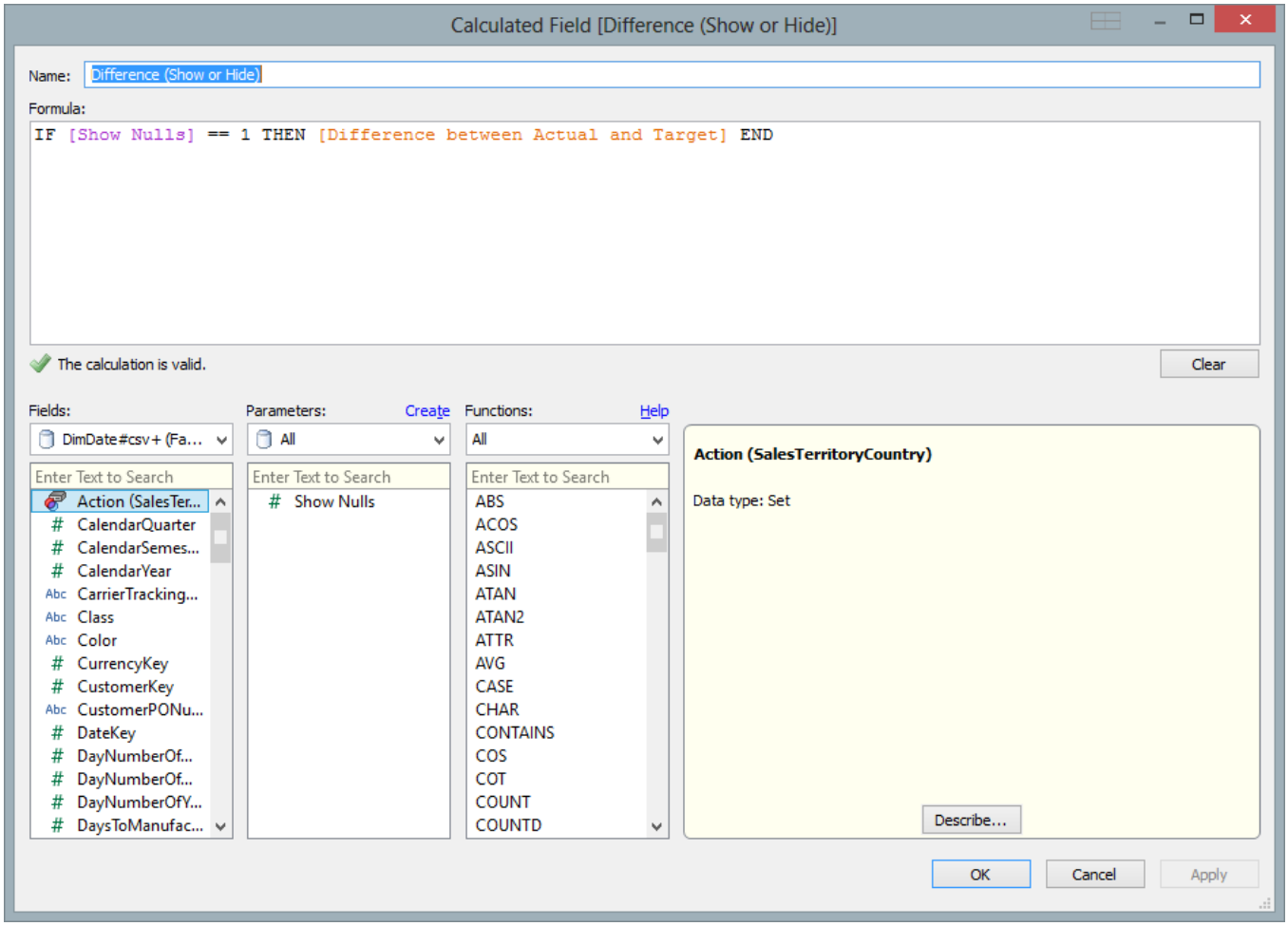

AGG(Difference (Show or Hide))
Circle
Color
Size
Label
Detail
Tooltip
Measure Names
AGG(KPI Difference between Actual and Target)

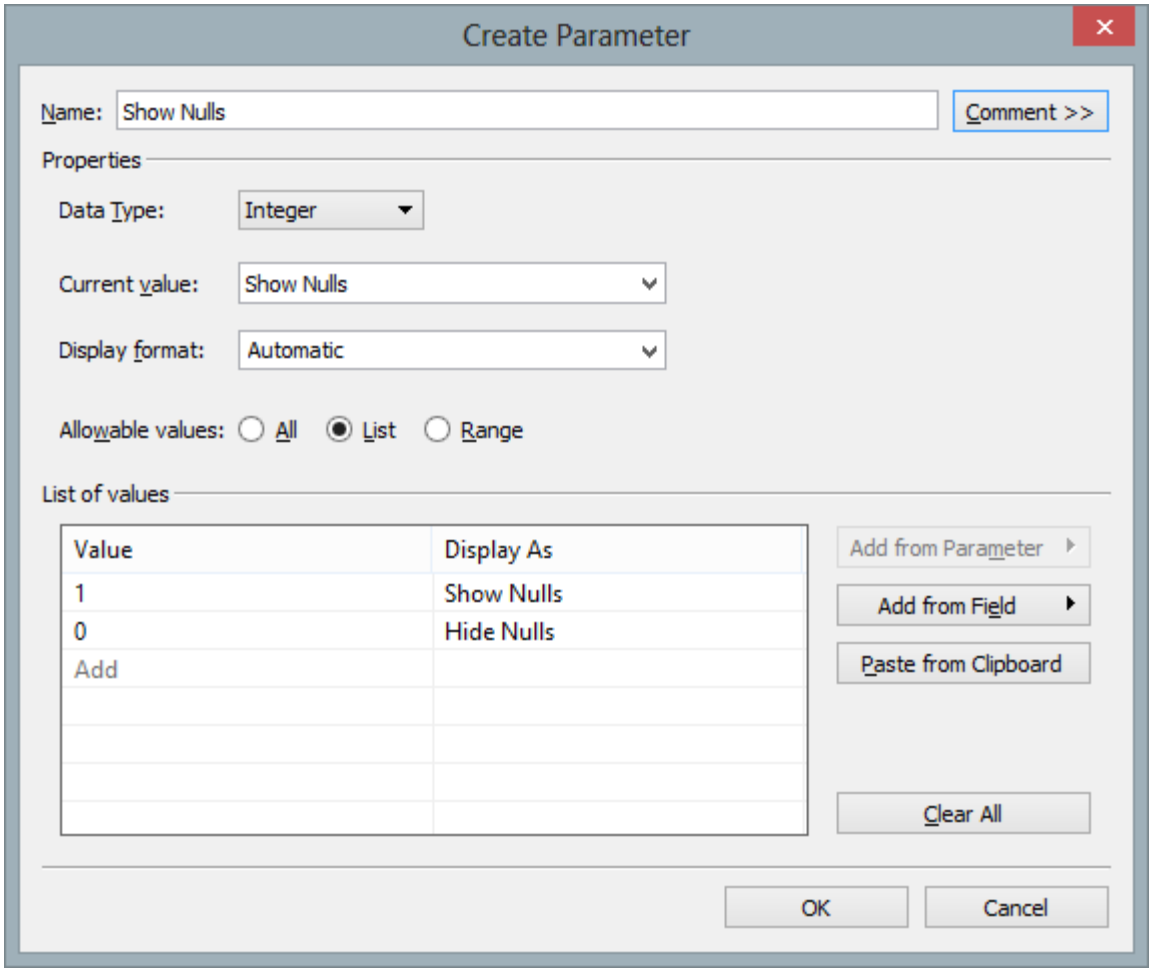

Marks
All
AGG(Difference between Actual and Target)
Line
Color
Size
Label
Detail
Tooltip
Path
Measure Names
AGG(KPI Difference between Actual and Target)
AGG(Difference (Show or Hide))
Measure Names
Difference (Show or Hide)
Difference between Actual and Target

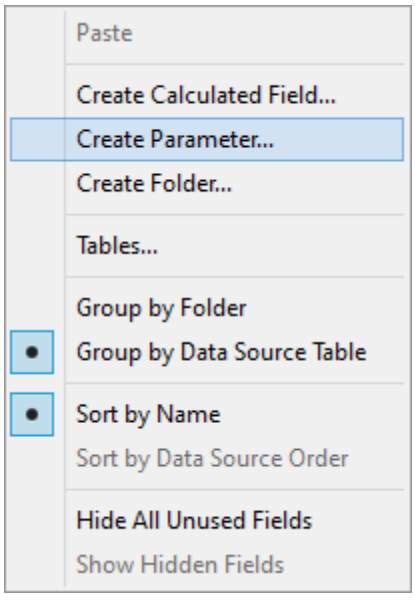

Edit Colors [Difference (Show or Hide)]
Palette:
Red-Blue Diverging
-20,423,487
20,423,487
Stepped Color
2
Steps
Reversed
Use Full Color Range
Advanced >>
Reset
OK
Cancel
Apply

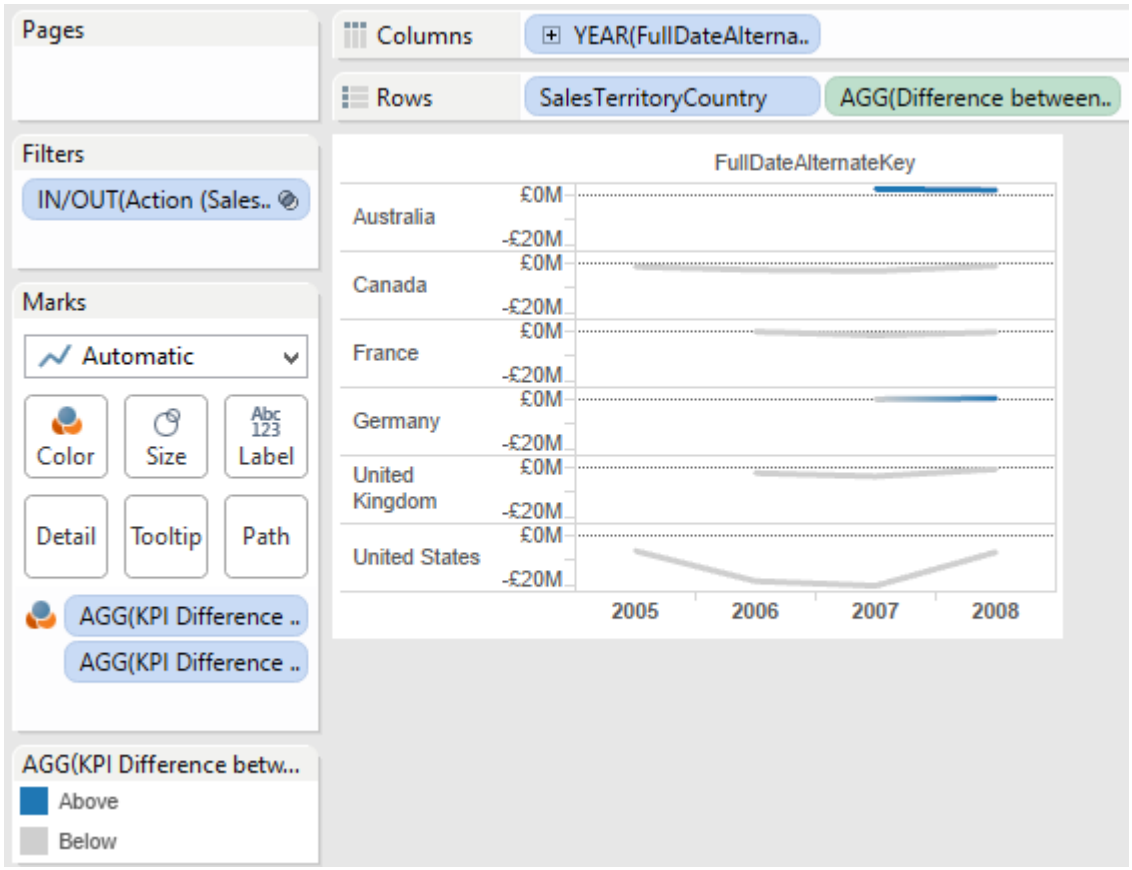

Edit Colors [Difference between Actual and Target]
Palette:
Red-Blue Diverging
-£20M
£4M
Stepped Color
3
Steps
Reversed
Use Full Color Range
Advanced >>
Reset
OK
Cancel
Apply

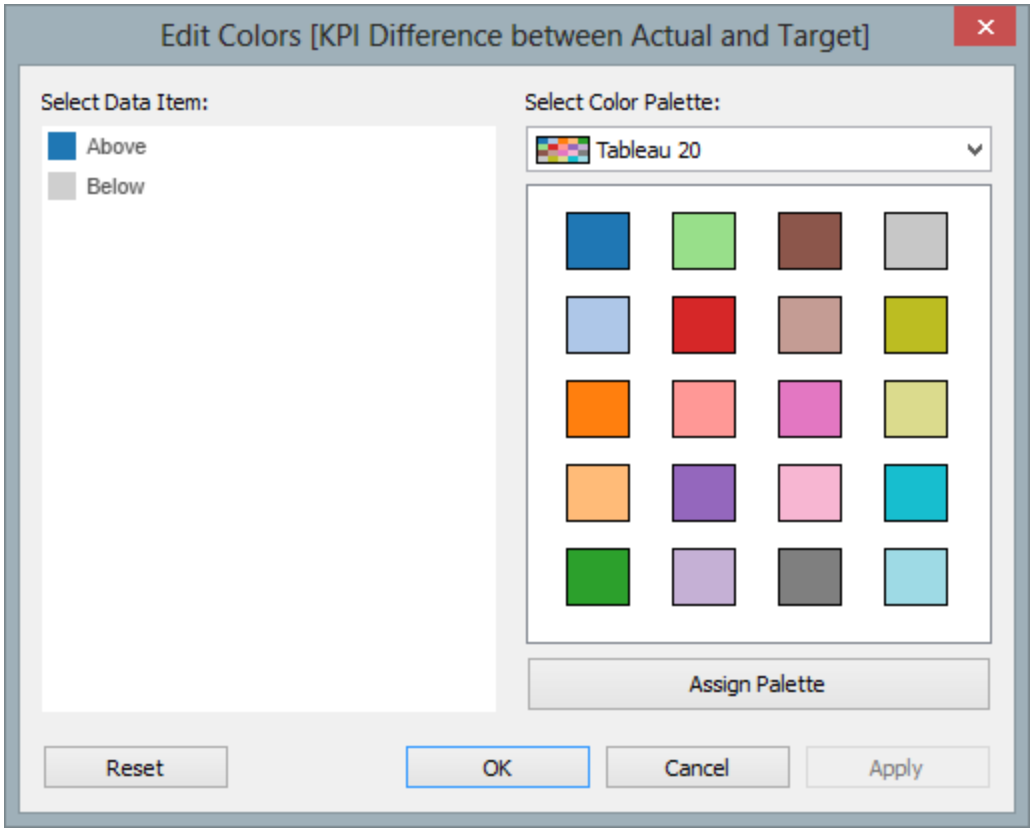

Pages
Filters
Marks
All
AGG(Difference between Actual and Target)
AGG(Difference (Show or Hide))
Line
Color
Size
Label
Detail
Tooltip
Path
AGG(Difference (Show or Hide))
AGG(KPI Difference between Actual and Target)
AGG(Difference (Show or Hide))
-20,423,487
20,423,487
AGG(Difference between Actual and Target)
-£20M
£4M
Columns
YEAR(FullDateAlterna..
Rows
SalesTerritoryCountry
AGG(Difference between..
AGG(Difference (Show or..
Australia
Canada
France
Germany
United Kingdom
United States
>6 nulls
2005
2006
2007
2008

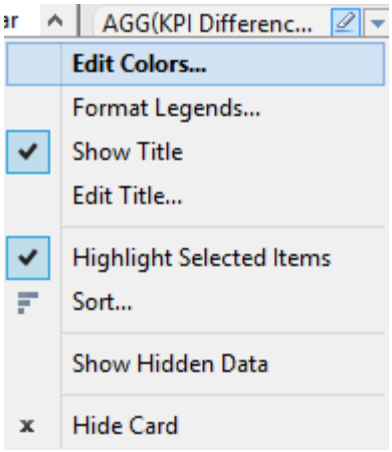

Calculated Field [Difference (Show or Hide)]
Name: Difference (Show or Hide)
Formula:
IF [Show Nulls] == 1 THEN [Difference between Actual and Target] END
The calculation is valid.
Clear
Fields:
Parameters:
Create
Functions:
Help
DimDate#csv+ (Fa...
All
All
Enter Text to Search
Enter Text to Search
Enter Text to Search
Action (SalesTer...
CalendarQuarter
CalendarSemes...
CalendarYear
CarrierTracking...
Class
Color
CurrencyKey
CustomerKey
CustomerPONu...
DateKey
DayNumberOf...
DayNumberOf...
DayNumberOfY...
DaysToManufac...
Show Nulls
ABS
ACOS
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG
CASE
CHAR
CONTAINS
COS
COT
COUNT
COUNTD
Action (SalesTerritoryCountry)
Data type: Set
Describe...
OK
Cancel
Apply

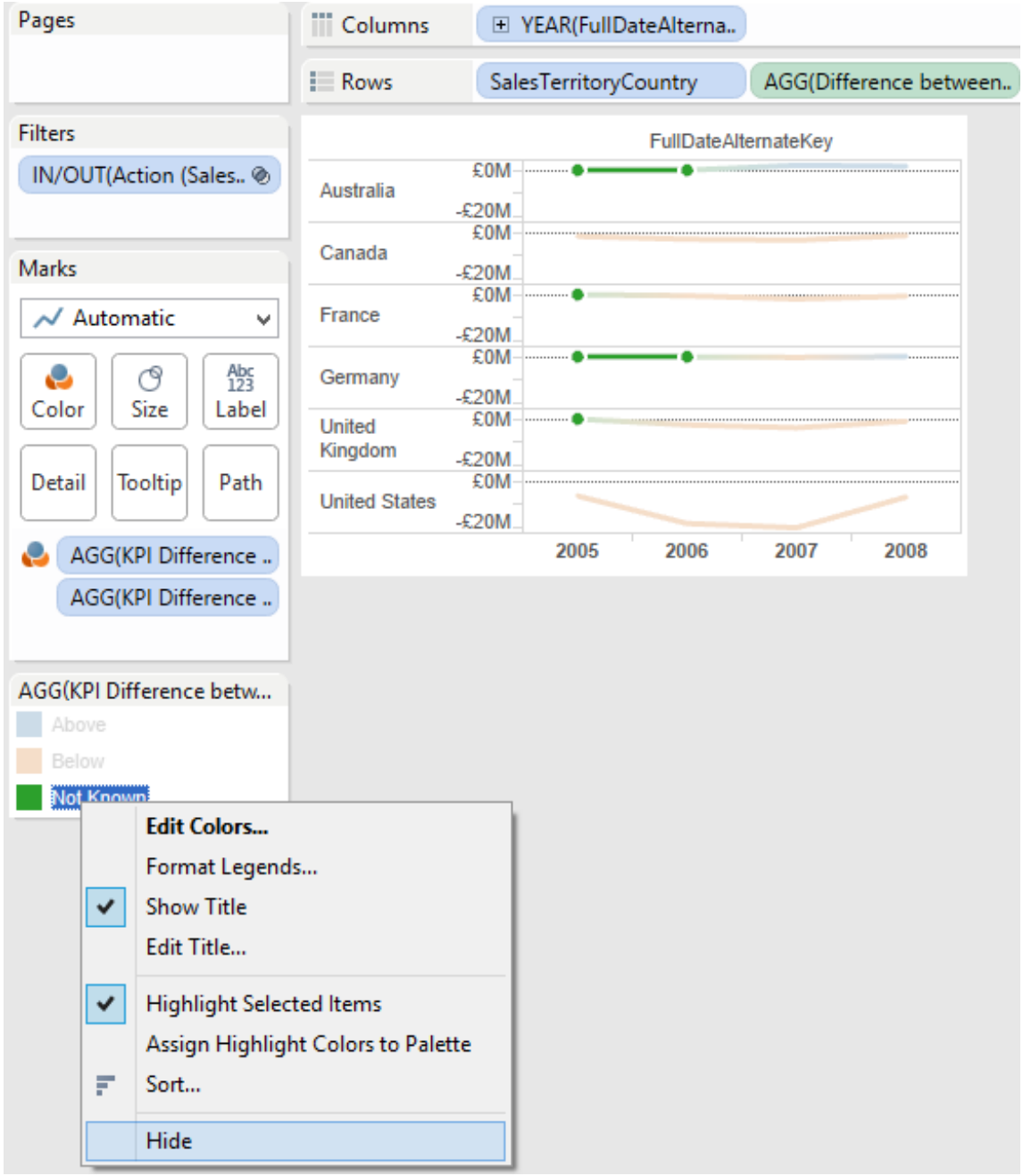

Create Parameter
Name: Show Nulls
Comment >>
Properties
Data Type: Integer
Current value: Show Nulls
Display format: Automatic
Allowable values: All List Range
List of values
Value
Display As
1
Show Nulls
0
Hide Nulls
Add
Add from Parameter
Add from Field
Paste from Clipboard
Clear All
OK
Cancel

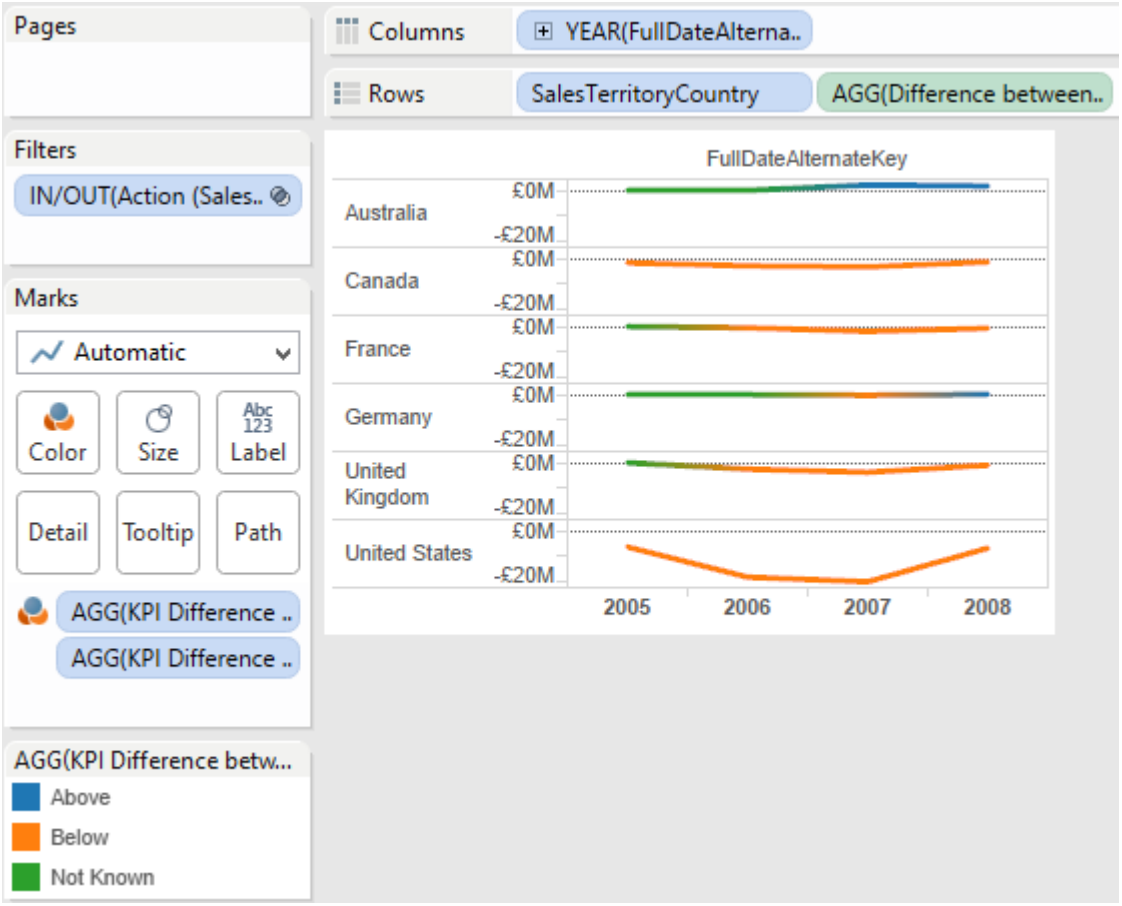

Paste
Create Calculated Field...
Create Parameter...
Create Folder...
Tables...
Group by Folder
Group by Data Source Table
Sort by Name
Sort by Data Source Order
Hide All Unused Fields
Show Hidden Fields

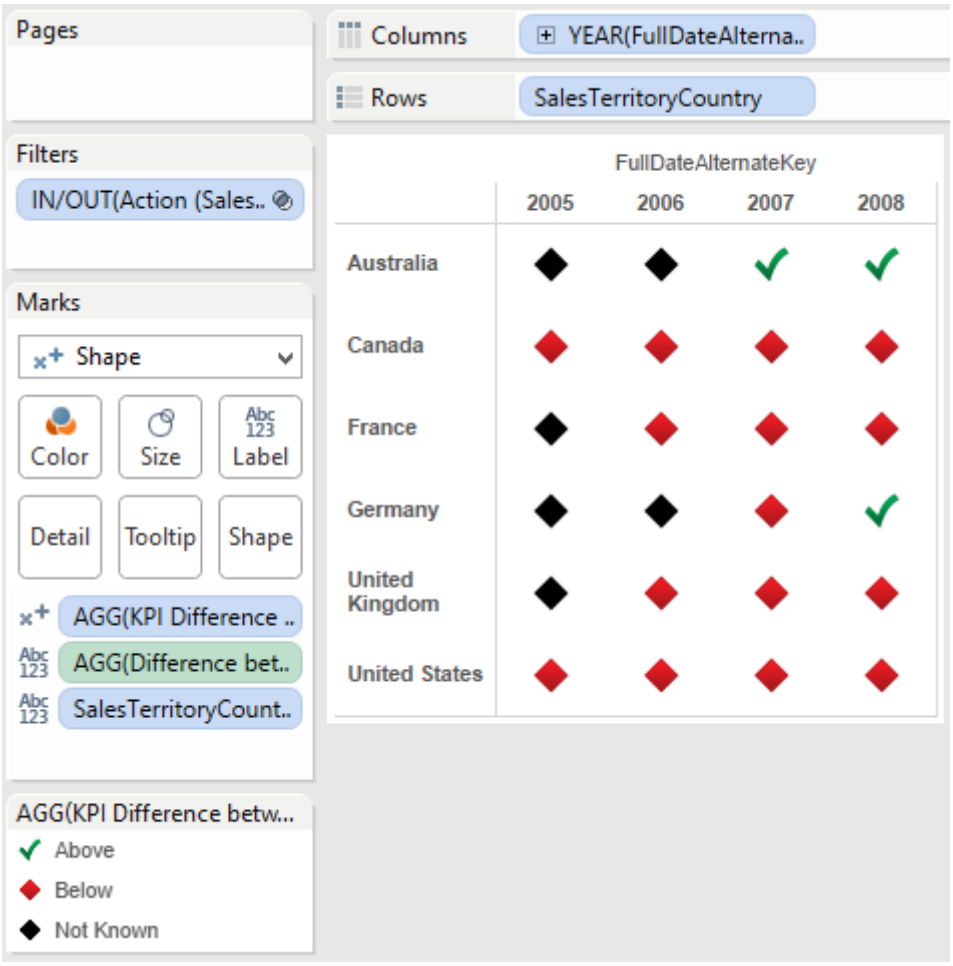

Pages
Columns
YEAR(FullDateAlterna..
Rows
SalesTerritoryCountry
AGG(Difference between..
Filters
IN/OUT(Action (Sales..
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Path
AGG(KPI Difference ..
AGG(KPI Difference ..
AGG(KPI Difference betw...
Above
Below
FullDateAlternateKey
Australia
Canada
France
Germany
United Kingdom
United States
£0M
-£20M
2005
2006
2007
2008

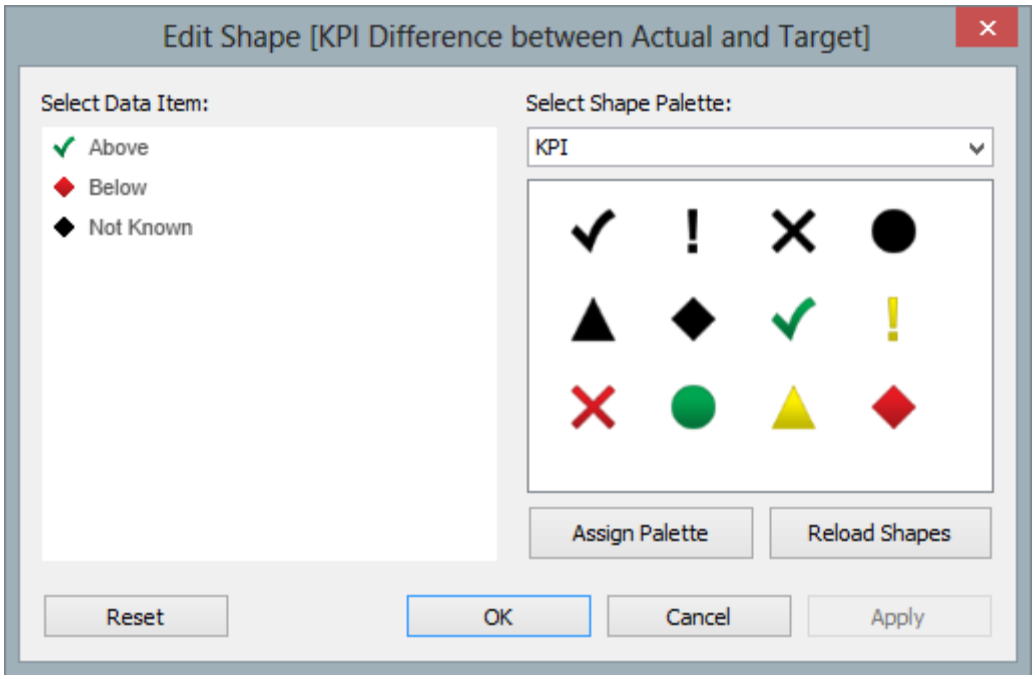

Edit Colors [KPI Difference between Actual and Target]
Select Data Item:
Above
Below
Select Color Palette:
Tableau 20
Assign Palette
Reset
OK
Cancel
Apply

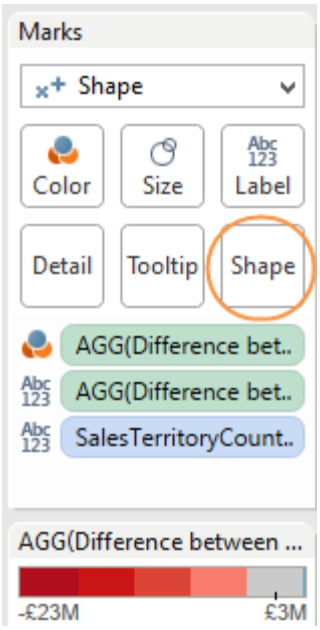

AGG(KPI Differenc...
Edit Colors...
Format Legends...
Show Title
Edit Title...
Highlight Selected Items
Sort...
Show Hidden Data
Hide Card

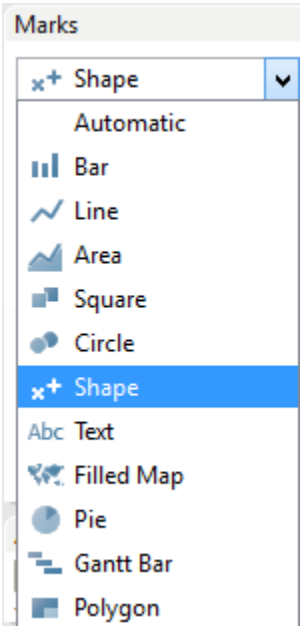

Pages
Columns
YEAR(FullDateAlterna..
Rows
SalesTerritoryCountry
AGG(Difference between..
Filters
IN/OUT(Action (Sales..
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Path
AGG(KPI Difference ..
AGG(KPI Difference ..
FullDateAlternateKey
Australia
Canada
France
Germany
United Kingdom
United States
£0M
-£20M
2005
2006
2007
2008
AGG(KPI Difference betw...
Above
Below
Not Known
Edit Colors...
Format Legends...
Show Title
Edit Title...
Highlight Selected Items
Assign Highlight Colors to Palette
Sort...
Hide

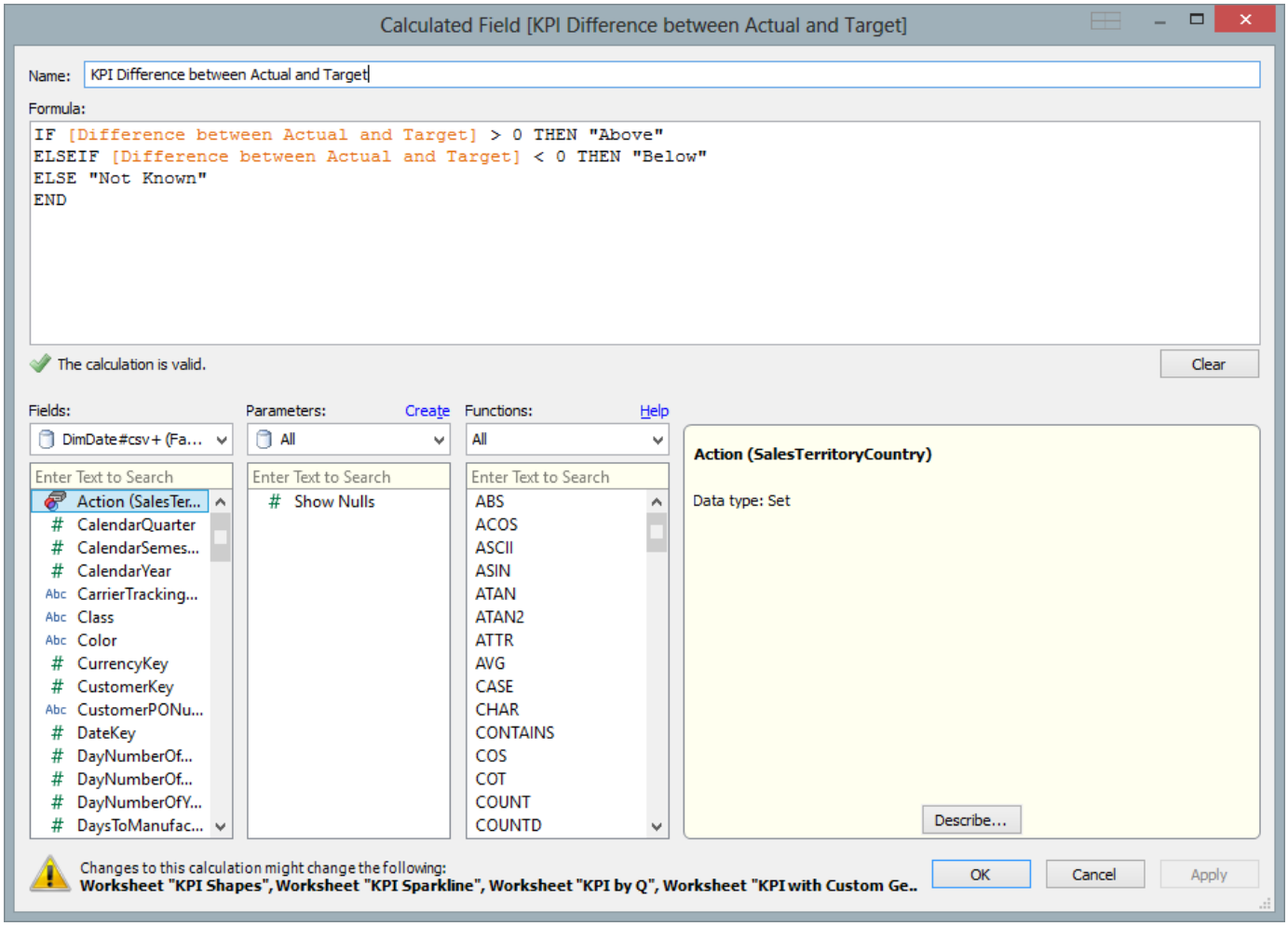

Pages
Columns
YEAR(FullDateAlterna..
Rows
SalesTerritoryCountry
AGG(Difference between..
Filters
IN/OUT(Action (Sales..
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Path
AGG(KPI Difference ..
AGG(KPI Difference ..
AGG(KPI Difference betw...
Above
Below
Not Known
FullDateAlternateKey
Australia
Canada
France
Germany
United Kingdom
United States
£0M
-£20M
2005
2006
2007
2008


Pages
Columns
YEAR(FullDateAlterna..
Rows
SalesTerritoryCountry
Filters
IN/OUT(Action (Sales..
Marks
Shape
Color
Size
Label
Detail
Tooltip
Shape
AGG(KPI Difference ..
AGG(Difference bet..
SalesTerritoryCount..
FullDateAlternateKey
2005
2006
2007
2008
Australia
Canada
France
Germany
United Kingdom
United States
AGG(KPI Difference betw...
Above
Below
Not Known


Edit Shape [KPI Difference between Actual and Target]
Select Data Item:
Above
Below
Not Known
Select Shape Palette:
KPI
Assign Palette
Reload Shapes
Reset
OK
Cancel
Apply


Marks
Shape
Color
Size
Label
Detail
Tooltip
Shape
AGG(Difference bet..
AGG(Difference bet..
SalesTerritoryCount..
AGG(Difference between ...
-£23M
£3M


Marks
Shape
Automatic
Bar
Line
Area
Square
Circle
Shape
Text
Filled Map
Pie
Gantt Bar
Polygon


Calculated Field [KPI Difference between Actual and Target]
Name:
KPI Difference between Actual and Target
Formula:
IF [Difference between Actual and Target] > 0 THEN "Above"
ELSEIF [Difference between Actual and Target] < 0 THEN "Below"
ELSE "Not Known"
END
The calculation is valid.
Clear
Fields:
Parameters:
Create
Functions:
Help
DimDate#csv+ (Fa...
All
All
Enter Text to Search
Enter Text to Search
Enter Text to Search
Action (SalesTer...
CalendarQuarter
CalendarSemes...
CalendarYear
CarrierTracking...
Class
Color
CurrencyKey
CustomerKey
CustomerPONu...
DateKey
DayNumberOf...
DayNumberOf...
DayNumberOfY...
DaysToManufac...
Show Nulls
ABS
ACOS
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG
CASE
CHAR
CONTAINS
COS
COT
COUNT
COUNTD
Action (SalesTerritoryCountry)
Data type: Set
Describe...
Changes to this calculation might change the following:
Worksheet "KPI Shapes", Worksheet "KPI Sparkline", Worksheet "KPI by Q", Worksheet "KPI with Custom Ge..
OK
Cancel
Apply

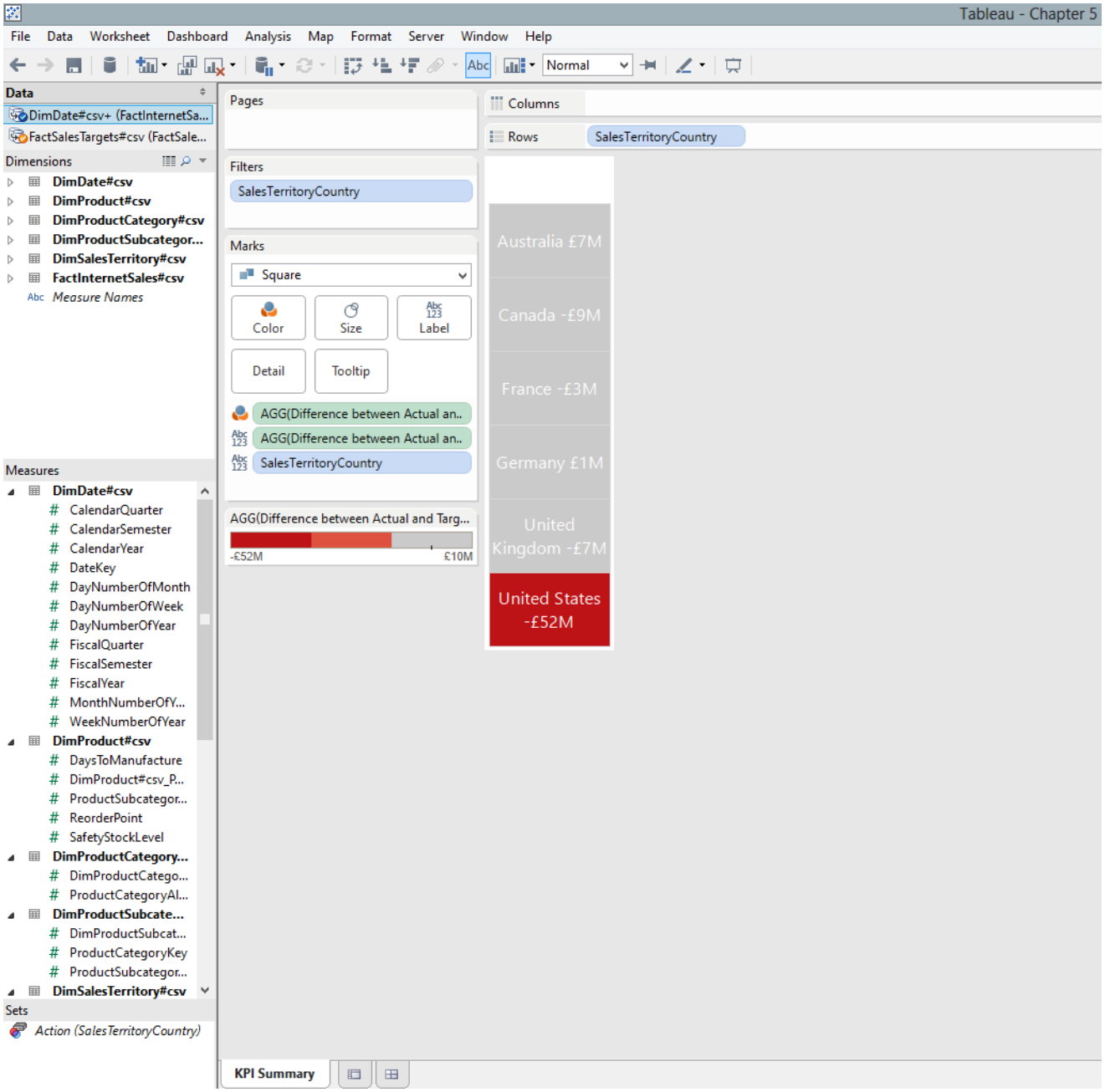


Tableau - Chapter 5
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Normal
Data
DimDate#csv+ (FactInternetSa...
FactSalesTargets#csv (FactSale...
Dimensions
DimDate#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategor...
DimSalesTerritory#csv
FactInternetSales#csv
Measure Names
Measures
DimDate#csv
CalendarQuarter
CalendarSemester
CalendarYear
DateKey
DayNumberOfMonth
DayNumberOfWeek
DayNumberOfYear
FiscalQuarter
FiscalSemester
FiscalYear
MonthNumberOfY...
WeekNumberOfYear
DimProduct#csv
DaysToManufacture
DimProduct#csv_P...
ProductSubcategor...
ReorderPoint
SafetyStockLevel
DimProductCategory...
DimProductCatego...
ProductCategoryAl...
DimProductSubcate...
DimProductSubcat...
ProductCategoryKey
ProductSubcategor...
DimSalesTerritory#csv
Sets
Action (SalesTerritoryCountry)
Pages
Filters
SalesTerritoryCountry
Marks
Square
Color
Size
Label
Detail
Tooltip
AGG(Difference between Actual an..
AGG(Difference between Actual an..
SalesTerritoryCountry
AGG(Difference between Actual and Targ...
-£52M
£10M
Columns
Rows
SalesTerritoryCountry
Australia £7M
Canada -£9M
France -£3M
Germany £1M
United Kingdom -£7M
United States -£52M
KPI Summary

Chapter 6

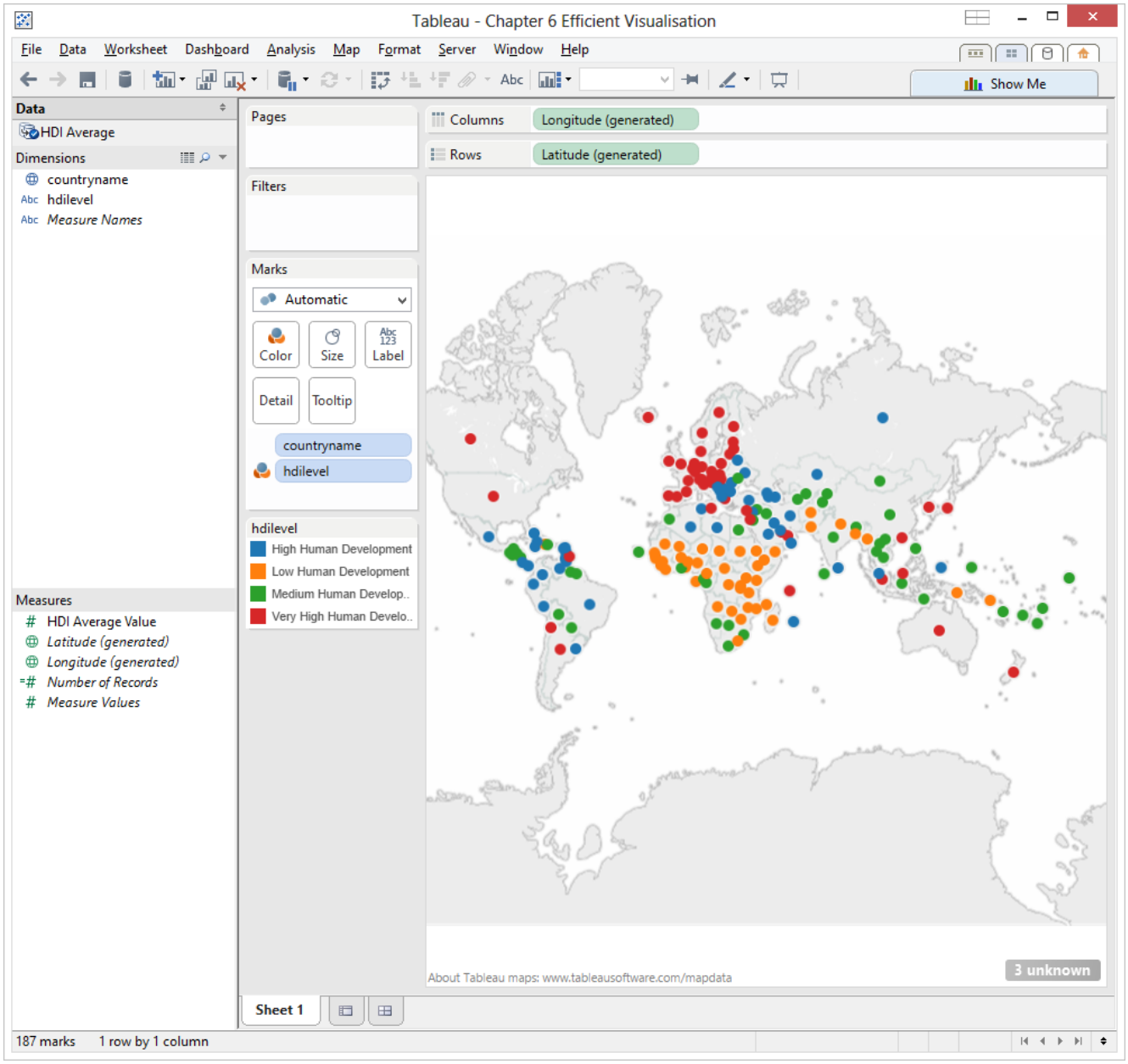
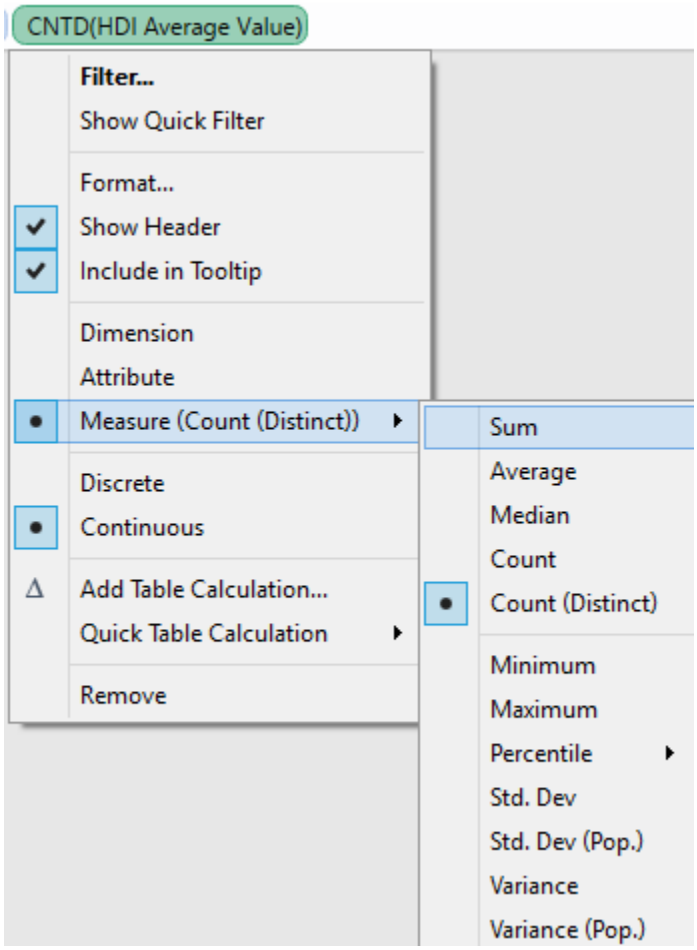
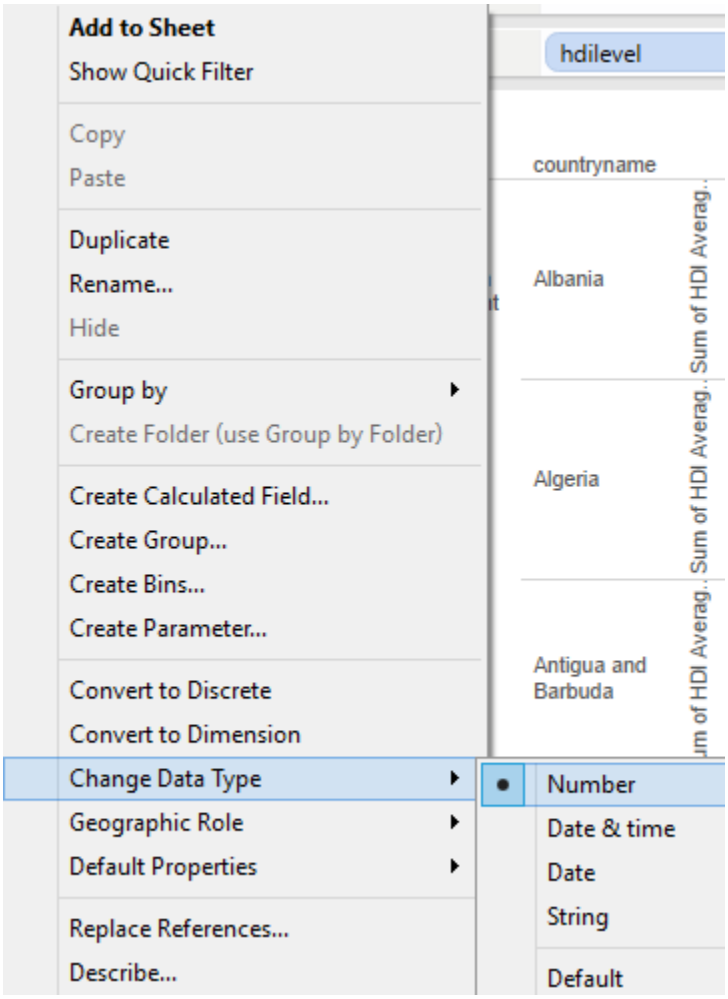
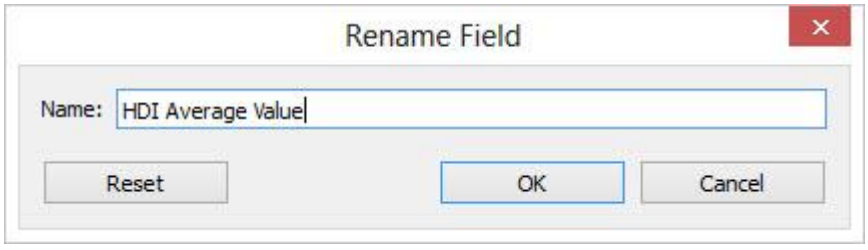
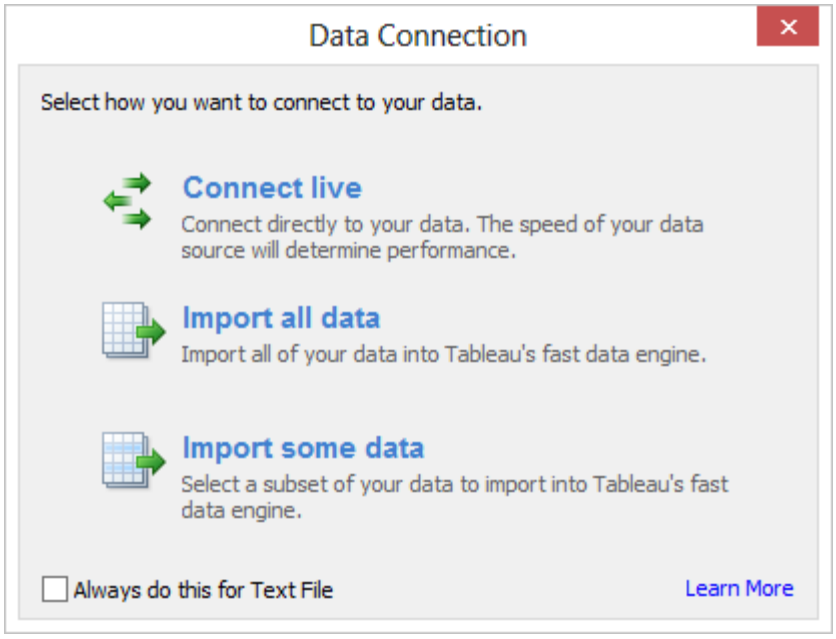


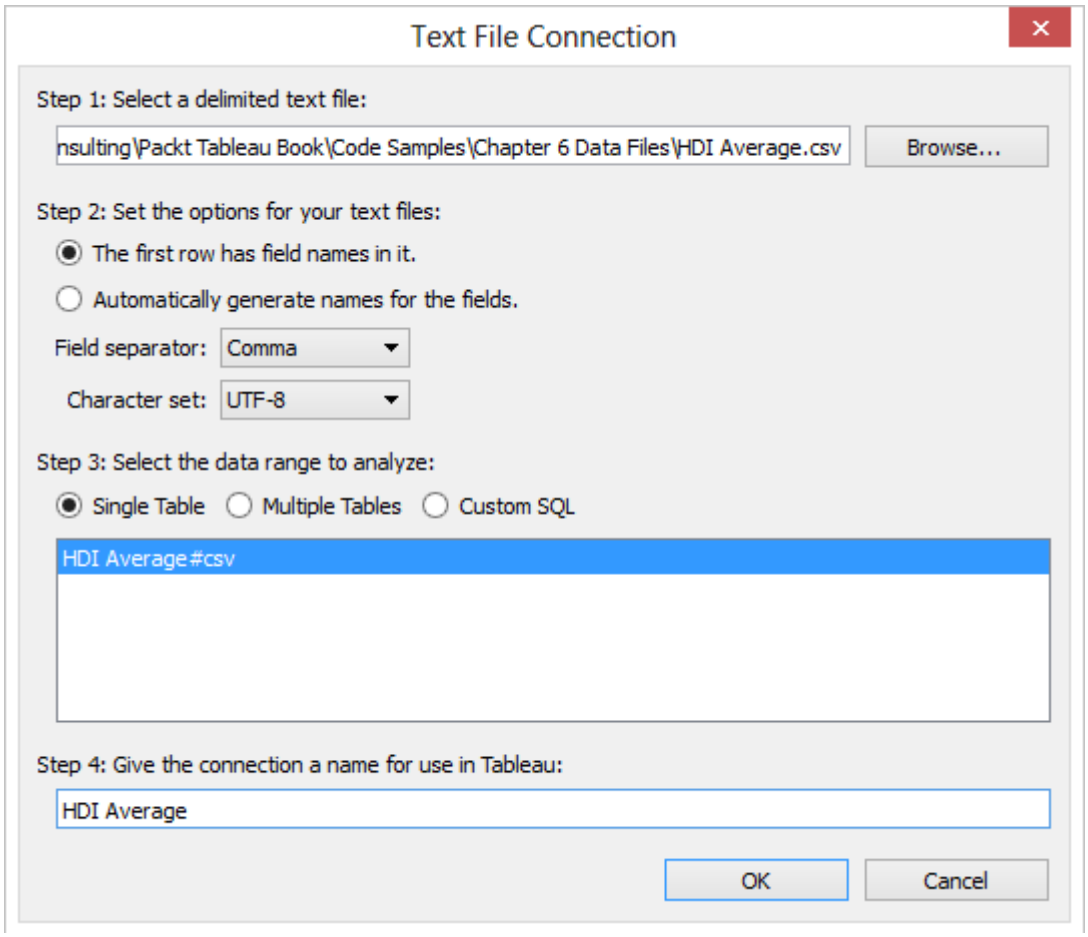
Tableau - Chapter 6 Efficient Visualisation
File Data Worksheet Dashboard Analysis Map Format Server Window Help
Show Me
Data
HDI Average
Dimensions
countryname
hdilevel
Measure Names
Measures
HDI Average Value
Latitude (generated)
Longitude (generated)
Number of Records
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
countryname
hdilevel
hdilevel
High Human Development
Low Human Development
Medium Human Develop..
Very High Human Develo..
Columns
Longitude (generated)
Rows
Latitude (generated)
About Tableau maps: www.tableausoftware.com/mapdata
3 unknown
Sheet 1
187 marks
1 row by 1 column

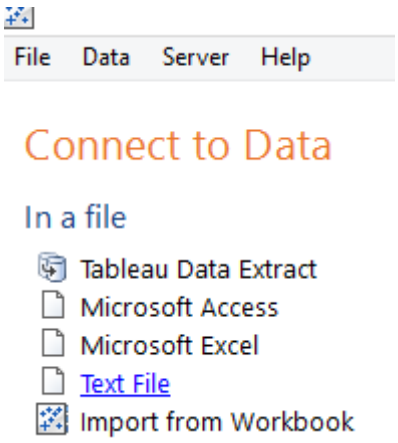

CNTD(HDI Average Value)
Filter...
Show Quick Filter
Format...
Show Header
Include in Tooltip
Dimension
Attribute
Measure (Count (Distinct))
Discrete
Continuous
Add Table Calculation...
Quick Table Calculation
Remove
Sum
Average
Median
Count
Count (Distinct)
Minimum
Maximum
Percentile
Std. Dev
Std. Dev (Pop.)
Variance
Variance (Pop.)

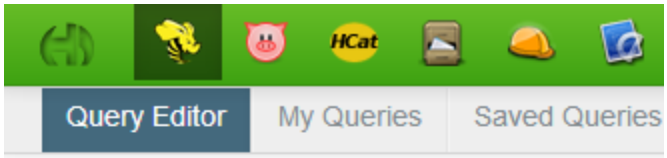

Add to Sheet
Show Quick Filter
Copy
Paste
Duplicate
Rename...
Hide
Group by
Create Folder (use Group by Folder)
Create Calculated Field...
Create Group...
Create Bins...
Create Parameter...
Convert to Discrete
Convert to Dimension
Change Data Type
Geographic Role
Default Properties
Replace References...
Describe...
Number
Date & time
Date
String
Default
hdilevel
countryname
Albania
Algeria
Antigua and Barbuda
Sum of HDI Averag..
Sum of HDI Averag..
Sum of HDI Averag..

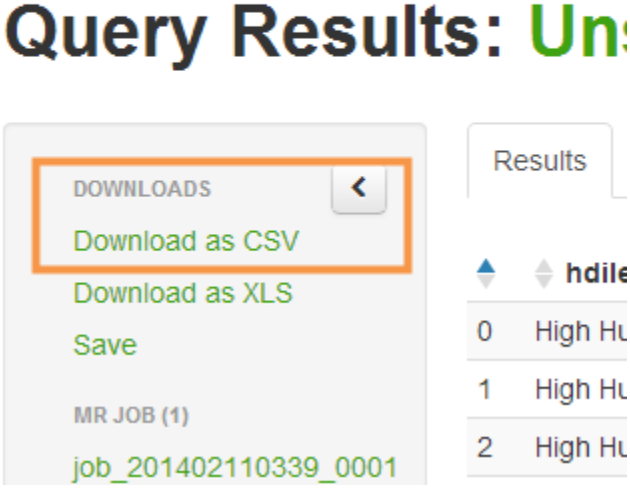

Rename Field
Name:
HDI Average Value
Reset
OK
Cancel

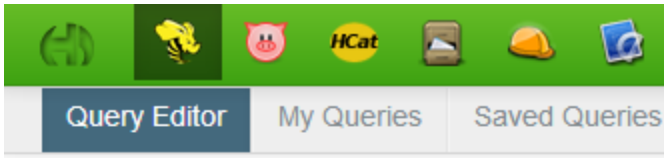

Data Connection
Select how you want to connect to your data.
Connect live
Connect directly to your data. The speed of your data source will determine performance.
Import all data
Import all of your data into Tableau's fast data engine.
Import some data
Select a subset of your data to import into Tableau's fast data engine.
Always do this for Text File
Learn More


Text File Connection
Step 1: Select a delimited text file:
nsulting\Packt Tableau Book\Code Samples\Chapter 6 Data Files\HDI Average.csv
Browse...
Step 2: Set the options for your text files:
The first row has field names in it.
Automatically generate names for the fields.
Field separator: Comma
Character set: UTF-8
Step 3: Select the data range to analyze:
Single Table
Multiple Tables
Custom SQL
HDI Average#csv
Step 4: Give the connection a name for use in Tableau:
HDI Average
OK
Cancel


File Data Server Help
Connect to Data
In a file
Tableau Data Extract
Microsoft Access
Microsoft Excel
Text File
Import from Workbook


HCat
Query Editor
My Queries
Saved Queries


Query Results: Un
DOWNLOADS
Download as CSV
Download as XLS
Save
MR JOB (1)
job_201402110339_0001
Results
hdile
0 High Hu
1 High Hu
2 High Hu



Query Results: Un

DOWNLOADS

Download as CSV

Download as XLS

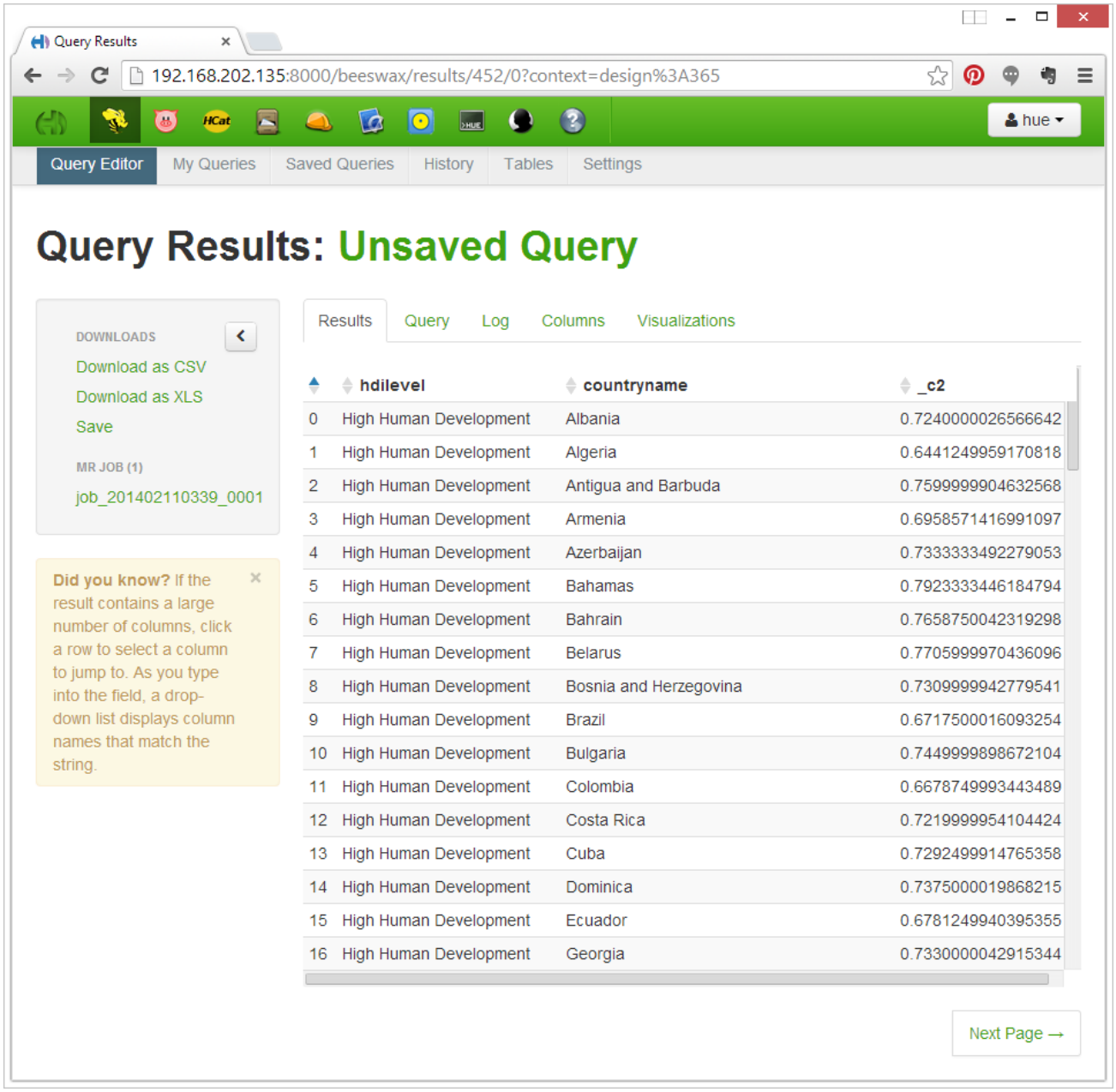
Save

MR JOB (1)

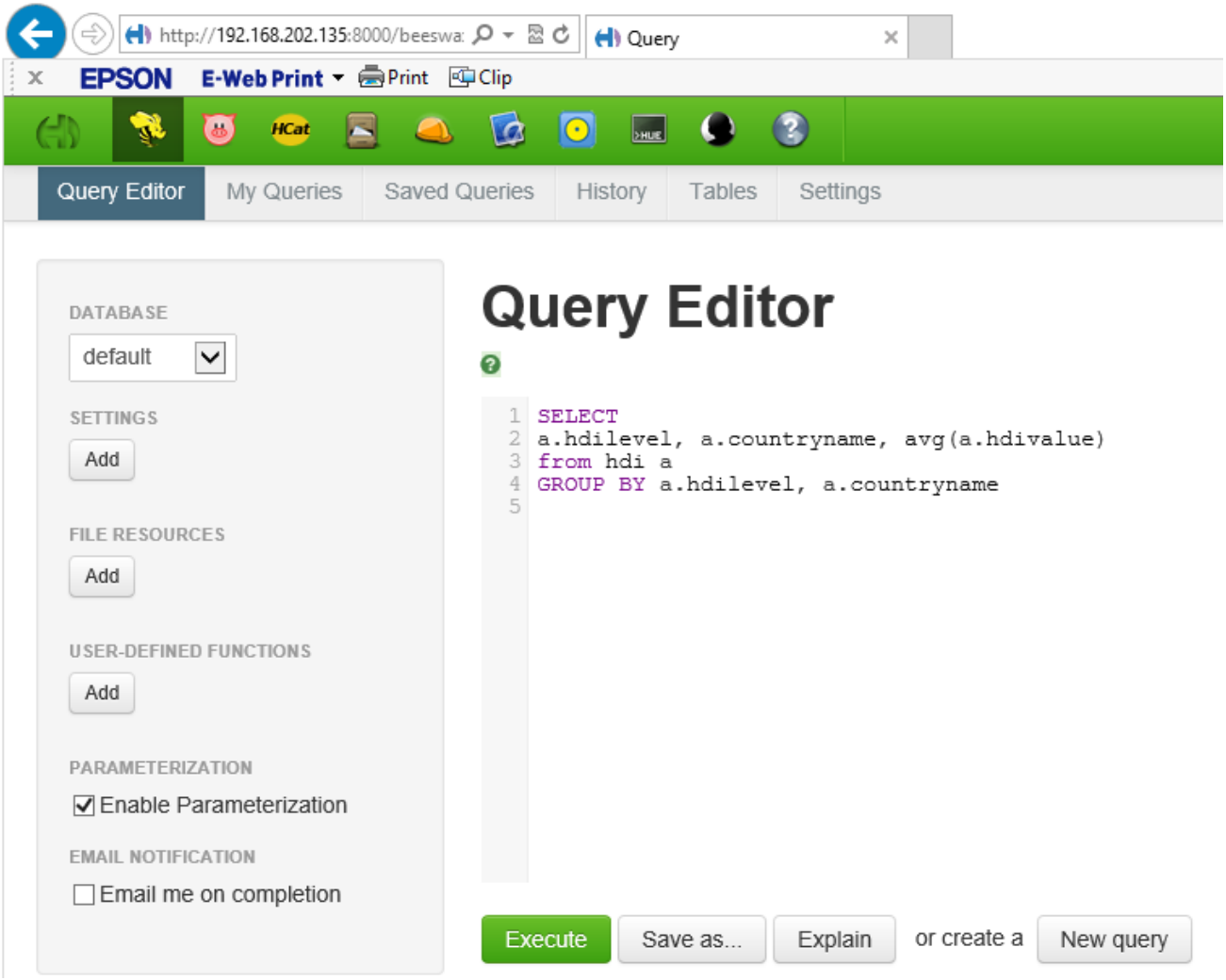
job_201402110339_0001

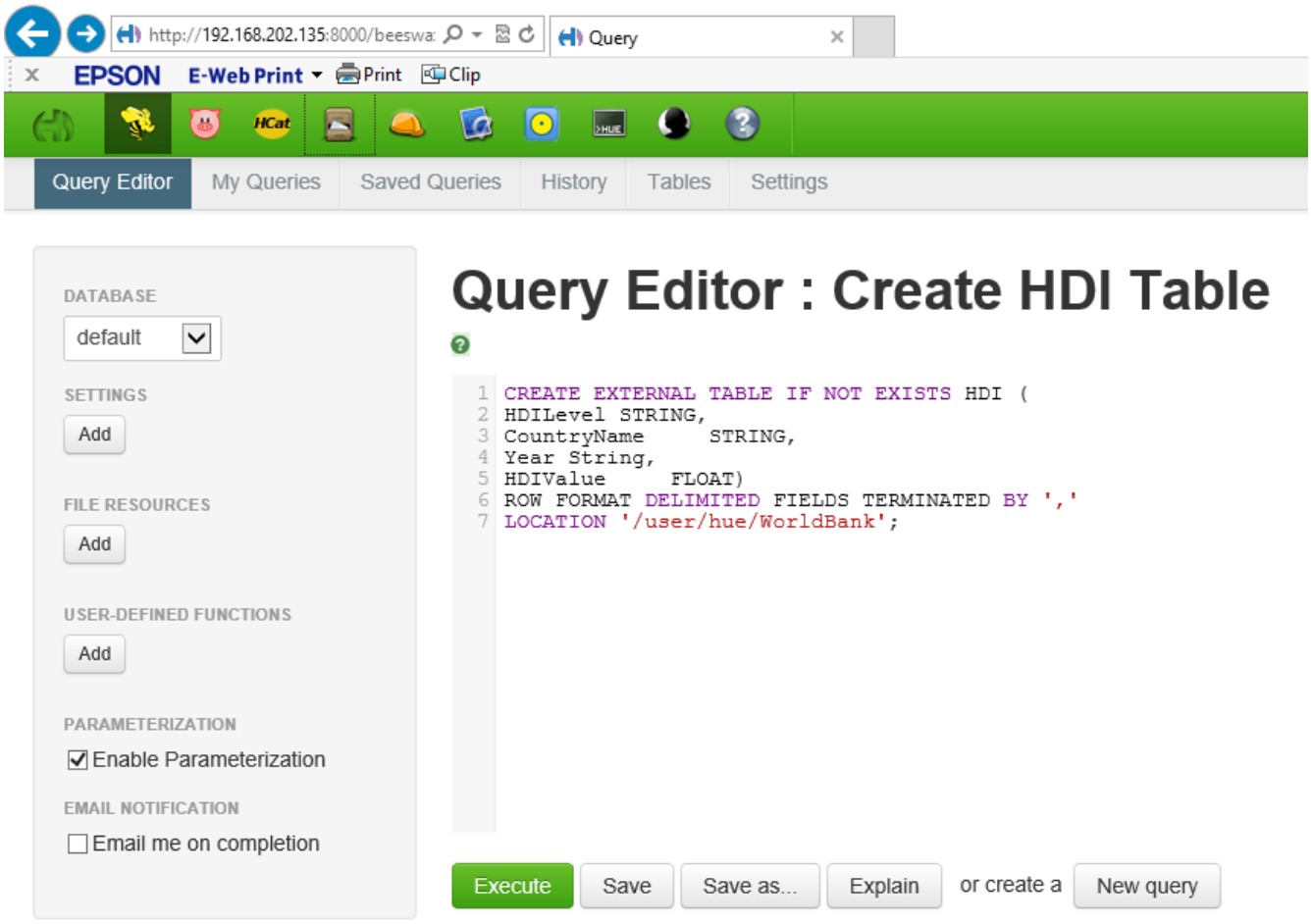
Results

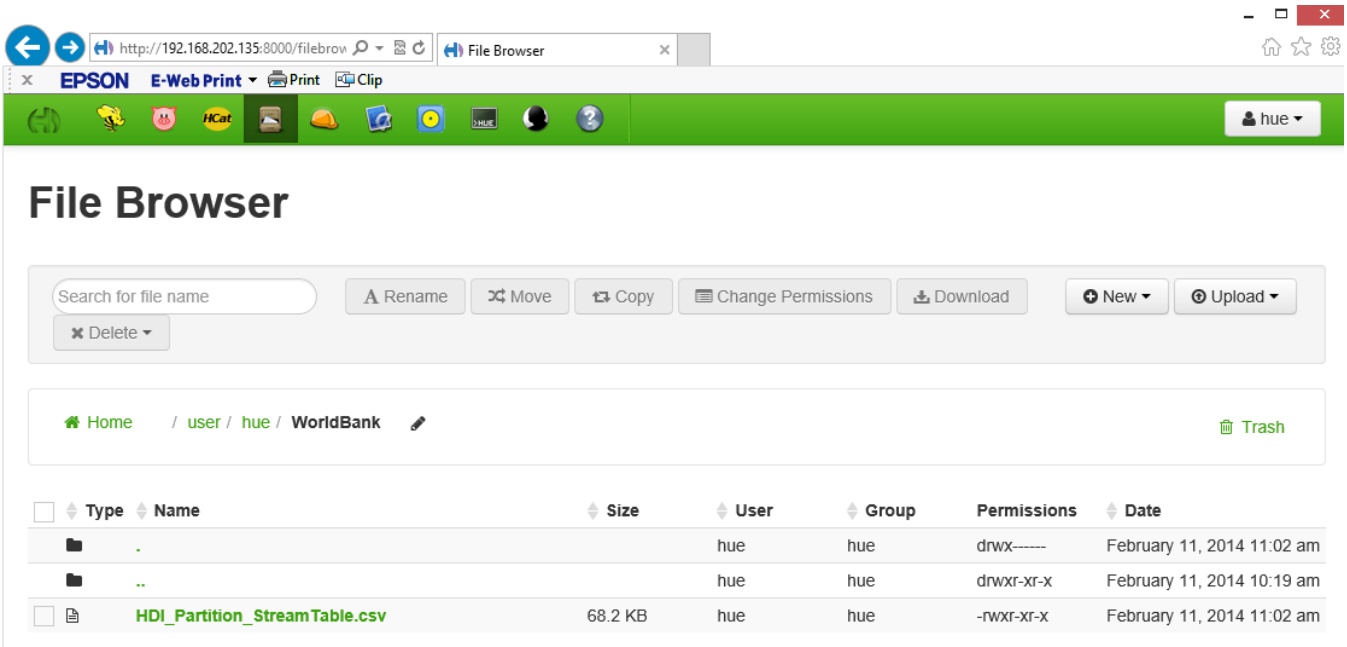
	hdile
0	High Hu
1	High Hu
2	High Hu

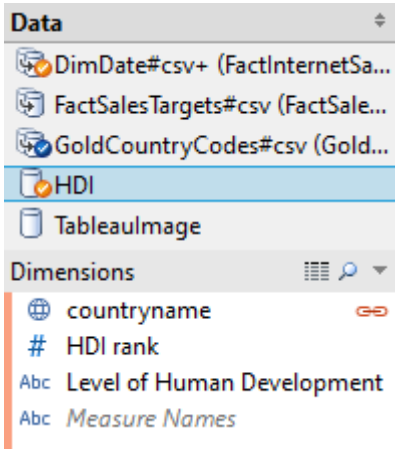


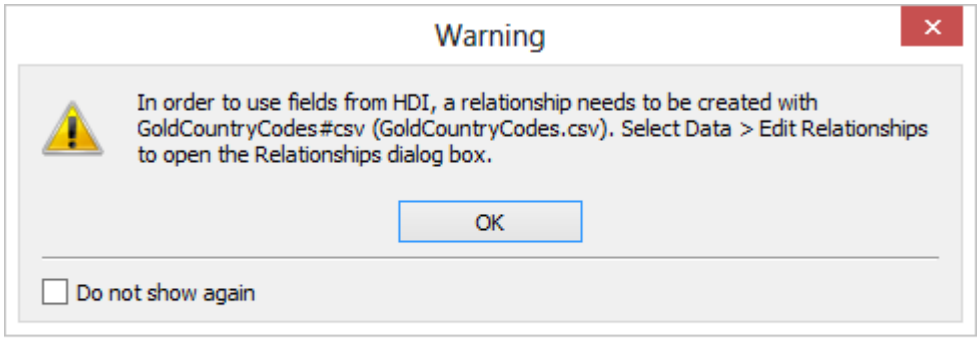
	hdilevel	countryname	_c2
0	High Human Development	Albania	0.7240000026566642
1	High Human Development	Algeria	0.6441249959170818
2	High Human Development	Antigua and Barbuda	0.7599999904632568
3	High Human Development	Armenia	0.6958571416991097
4	High Human Development	Azerbaijan	0.7333333492279053
5	High Human Development	Bahamas	0.7923333446184794
6	High Human Development	Bahrain	0.7658750042319298
7	High Human Development	Belarus	0.7705999970436096
8	High Human Development	Bosnia and Herzegovina	0.7309999942779541
9	High Human Development	Brazil	0.6717500016093254
10	High Human Development	Bulgaria	0.7449999898672104
11	High Human Development	Colombia	0.6678749993443489
12	High Human Development	Costa Rica	0.7219999954104424
13	High Human Development	Cuba	0.7292499914765358
14	High Human Development	Dominica	0.7375000019868215
15	High Human Development	Ecuador	0.6781249940395355
16	High Human Development	Georgia	0.7330000042915344

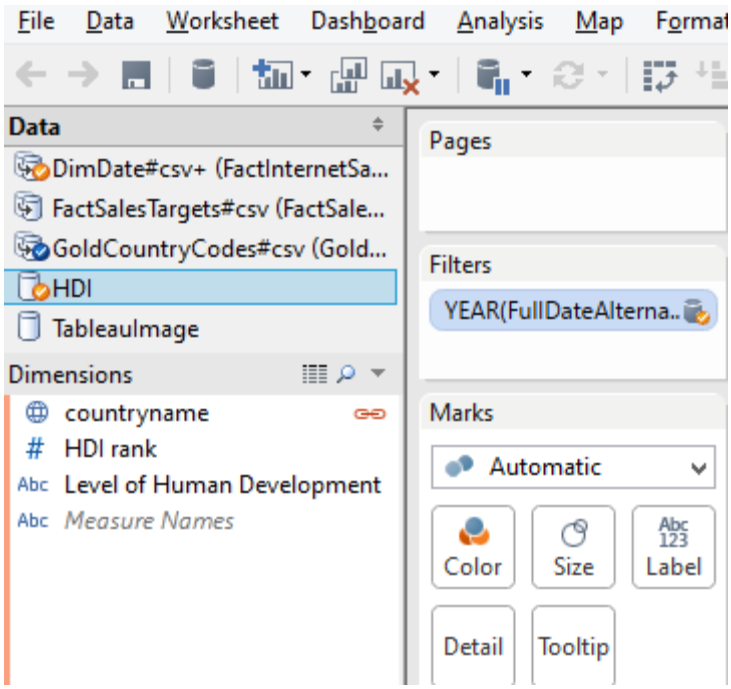

http://192.168.202.135:8000/beeswa
Query
EPSON
E-Web Print
Print
Clip
Query Editor
My Queries
Saved Queries
History
Tables
Settings
DATABASE
default
SETTINGS
Add
FILE RESOURCES
Add
USER-DEFINED FUNCTIONS
Add
PARAMETERIZATION
Enable Parameterization
EMAIL NOTIFICATION
Email me on completion
Query Editor
1 SELECT
2 a.hdilevel, a.countryname, avg(a.hdivalue)
3 from hdi a
4 GROUP BY a.hdilevel, a.countryname
5
Execute
Save as...
Explain
or create a
New query

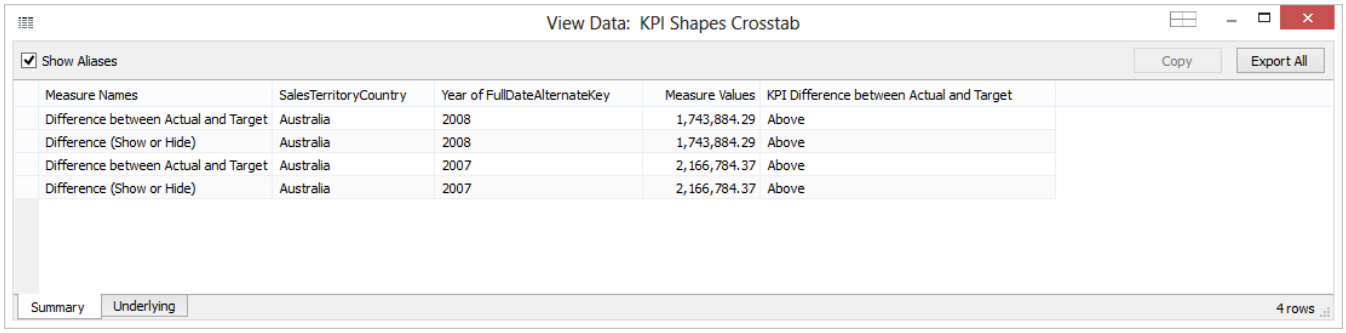

http://192.168.202.135:8000/beeswa
Query
EPSON E-Web Print Print Clip
Query Editor
My Queries
Saved Queries
History
Tables
Settings
DATABASE
default
SETTINGS
Add
FILE RESOURCES
Add
USER-DEFINED FUNCTIONS
Add
PARAMETERIZATION
Enable Parameterization
EMAIL NOTIFICATION
Email me on completion
Query Editor : Create HDI Table
1 CREATE EXTERNAL TABLE IF NOT EXISTS HDI (
2 HDILevel STRING,
3 CountryName STRING,
4 Year String,
5 HDIValue FLOAT)
6 ROW FORMAT DELIMITED FIELDS TERMINATED BY ','
7 LOCATION '/user/hue/WorldBank';
Execute
Save
Save as...
Explain
or create a
New query

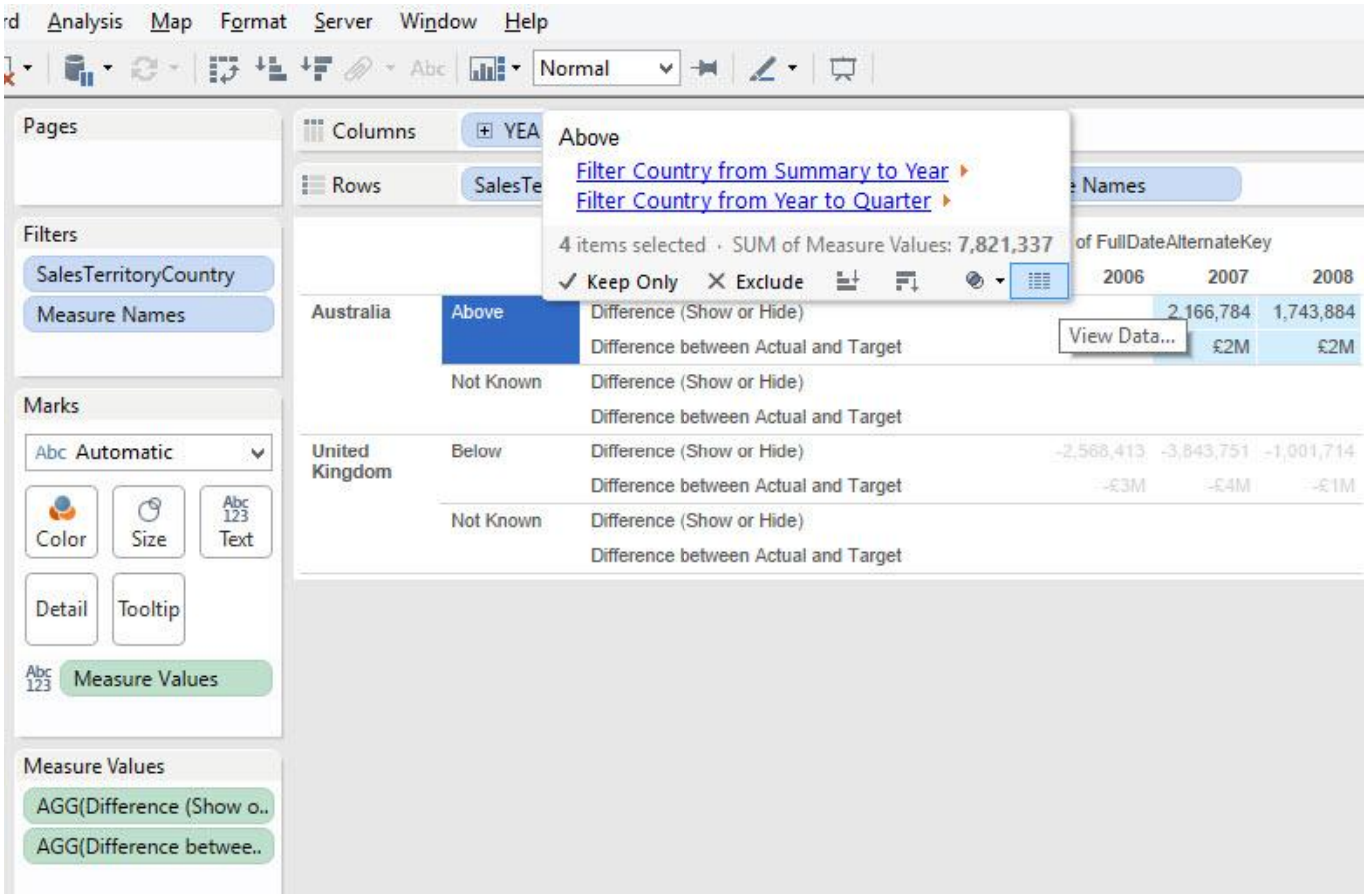

http://192.168.202.135:8000/filebrow
File Browser
EPSON E-Web Print Print Clip
hue
File Browser
Search for file name
Rename
Move
Copy
Change Permissions
Download
New
Upload
Delete
Home / user / hue / WorldBank
Trash
Type Name Size User Group Permissions Date
. hue hue drwx------ February 11, 2014 11:02 am
.. hue hue drwxr-xr-x February 11, 2014 10:19 am
HDI_Partition_StreamTable.csv 68.2 KB hue hue -rwxr-xr-x February 11, 2014 11:02 am


Data
DimDate#csv+ (FactInternetSa...
FactSalesTargets#csv (FactSale...
GoldCountryCodes#csv (Gold...
HDI
TableauImage
Dimensions
countryname
HDI rank
Level of Human Development
Measure Names

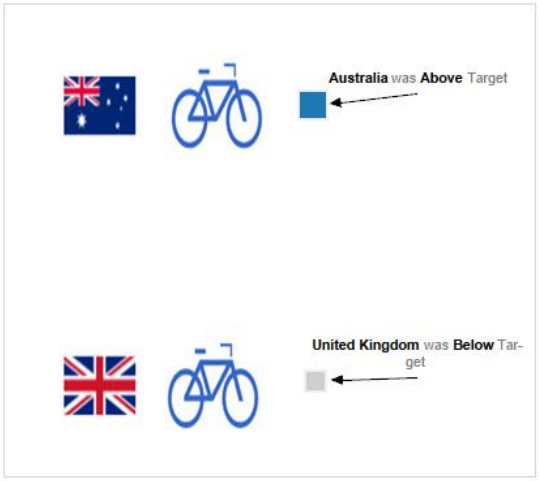

Warning
In order to use fields from HDI, a relationship needs to be created with GoldCountryCodes#csv (GoldCountryCodes.csv). Select Data > Edit Relationships to open the Relationships dialog box.
OK
Do not show again


File
Data
Worksheet
Dashboard
Analysis
Map
Format
Data
DimDate#csv+ (FactInternetSa...
FactSalesTargets#csv (FactSale...
GoldCountryCodes#csv (Gold...
HDI
TableauImage
Dimensions
countryname
HDI rank
Level of Human Development
Measure Names
Pages
Filters
YEAR(FullDateAlterna..
Marks
Automatic
Color
Size
Label
Detail
Tooltip


View Data: KPI Shapes Crosstab
Show Aliases
Copy
Export All
Measure Names | SalesTerritoryCountry | Year of FullDateAlternateKey | Measure Values | KPI Difference between Actual and Target
Difference between Actual and Target | Australia | 2008 | 1,743,884.29 | Above
Difference (Show or Hide) | Australia | 2008 | 1,743,884.29 | Above
Difference between Actual and Target | Australia | 2007 | 2,166,784.37 | Above
Difference (Show or Hide) | Australia | 2007 | 2,166,784.37 | Above
Summary
Underlying
4 rows


Analysis
Map
Format
Server
Window
Help
Normal
Pages
Columns
Rows
Above
Filter Country from Summary to Year
Filter Country from Year to Quarter
4 items selected · SUM of Measure Values: 7,821,337
Keep Only
Exclude
View Data...
Filters
SalesTerritoryCountry
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
AGG(Difference (Show o..
AGG(Difference betwee..
2006
2007
2008
Australia
Above
Difference (Show or Hide)
2,166,784
1,743,884
Difference between Actual and Target
£2M
£2M
Not Known
Difference (Show or Hide)
Difference between Actual and Target
United Kingdom
Below
Difference (Show or Hide)
-2,568,413
-3,843,751
-1,001,714
Difference between Actual and Target
-£3M
-£4M
-£1M
Not Known
Difference (Show or Hide)
Difference between Actual and Target

How does Australia compare to the United Kingdom overall?

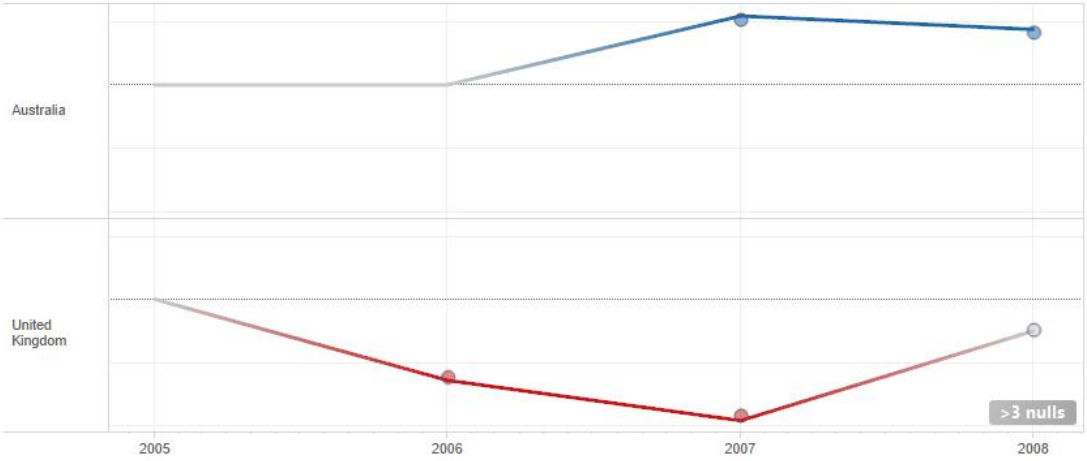


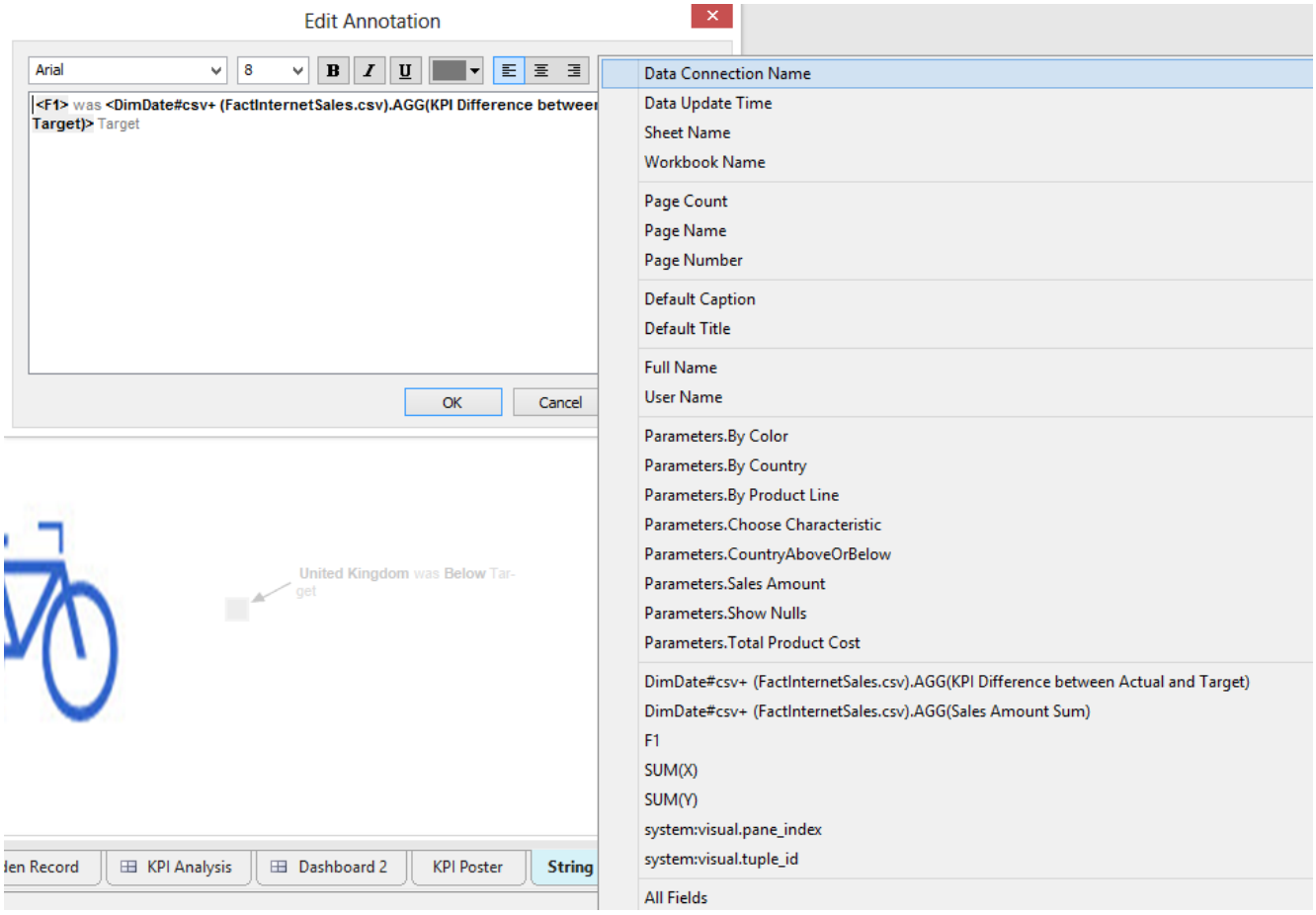
KPI Difference between ..
Above
Below

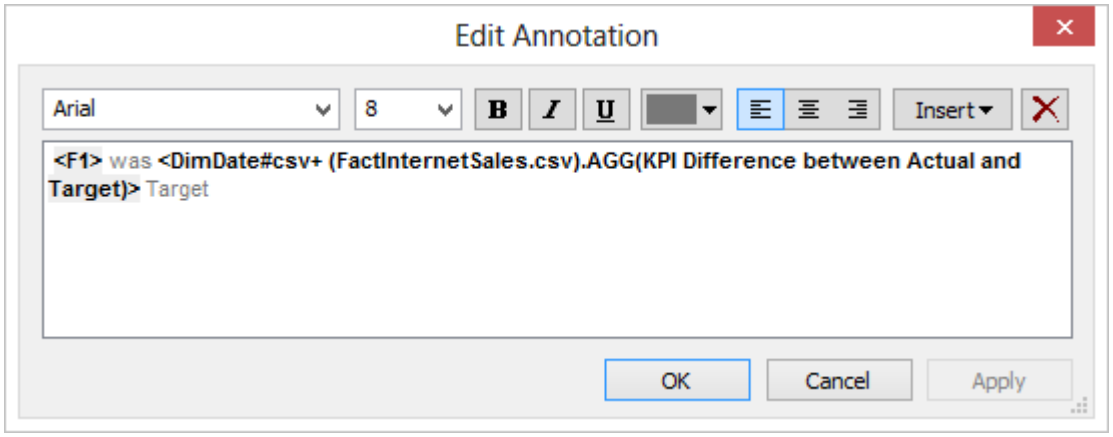
SalesAmount
1,210,286 2,563,884

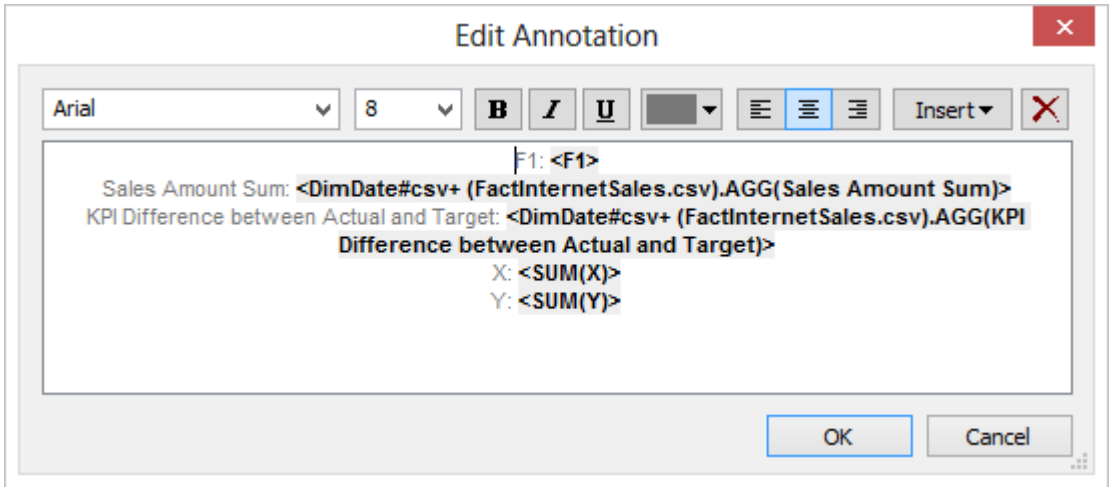
Difference between Actu..
-£4M £4M

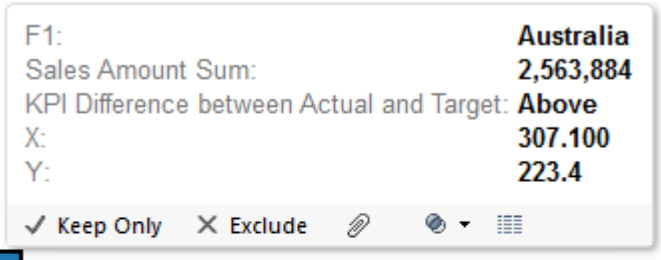
Show Nulls
Show Nulls

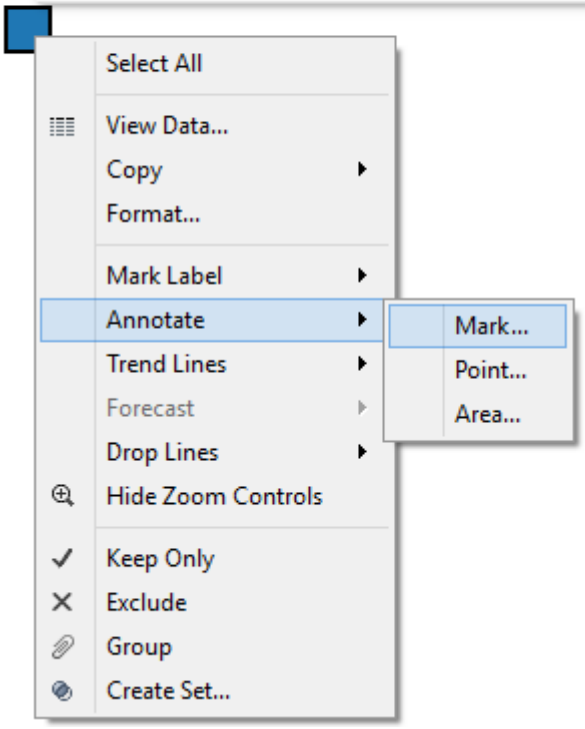



Edit Annotation
Arial
8
<F1> was <DimDate#csv+ (FactInternetSales.csv).AGG(KPI Difference betwee
Target)> Target
OK
Cancel
Data Connection Name
Data Update Time
Sheet Name
Workbook Name
Page Count
Page Name
Page Number
Default Caption
Default Title
Full Name
User Name
Parameters.By Color
Parameters.By Country
Parameters.By Product Line
Parameters.Choose Characteristic
Parameters.CountryAboveOrBelow
Parameters.Sales Amount
Parameters.Show Nulls
Parameters.Total Product Cost
DimDate#csv+ (FactInternetSales.csv).AGG(KPI Difference between Actual and Target)
DimDate#csv+ (FactInternetSales.csv).AGG(Sales Amount Sum)
F1
SUM(X)
SUM(Y)
system:visual.pane_index
system:visual.tuple_id
All Fields
United Kingdom was Below Tar-
get
KPI Analysis
Dashboard 2
KPI Poster
String

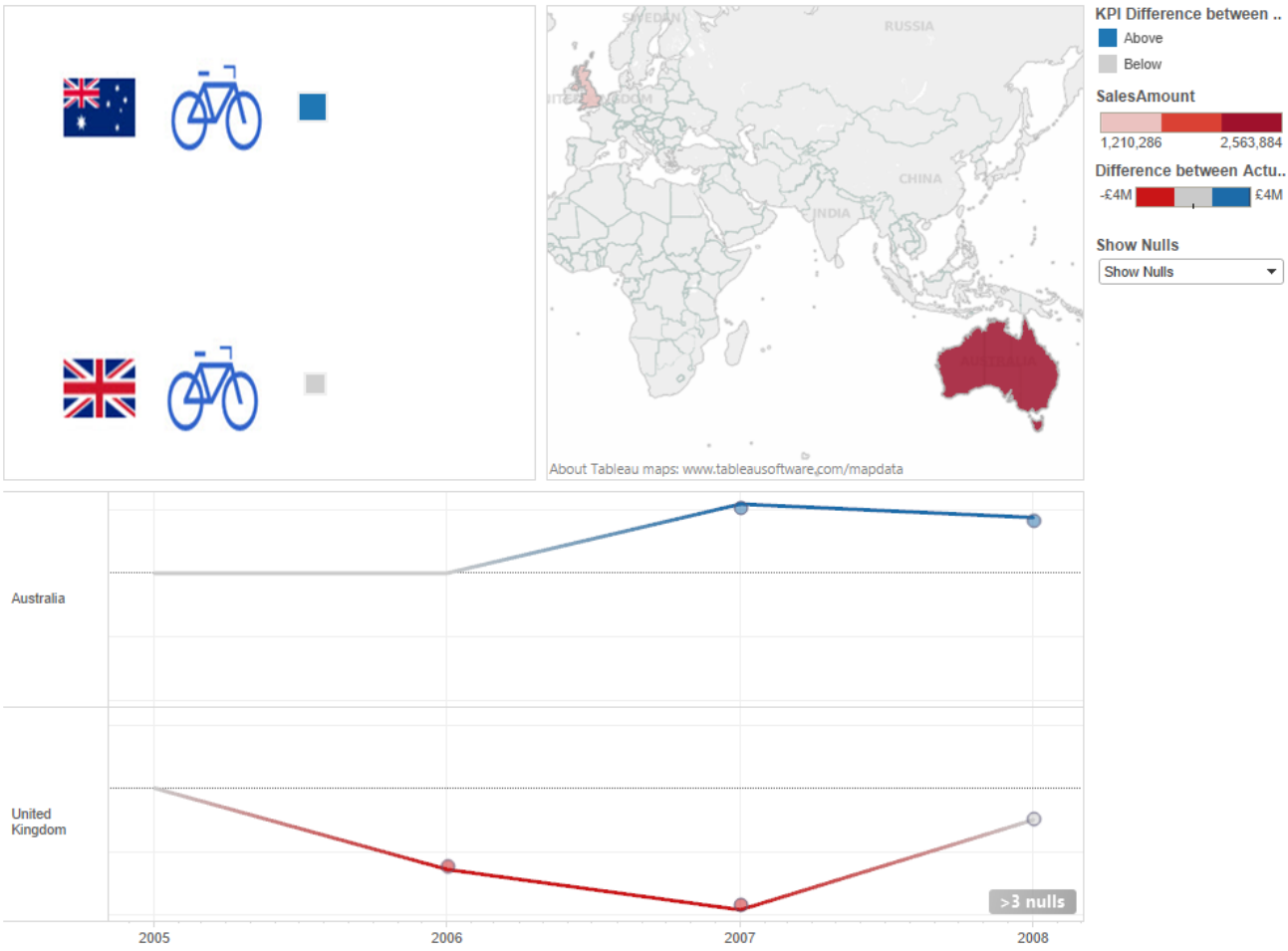

Edit Annotation
Arial
8
Insert
<F1> was <DimDate#csv+ (FactInternetSales.csv).AGG(KPI Difference between Actual and
Target)> Target
OK
Cancel
Apply

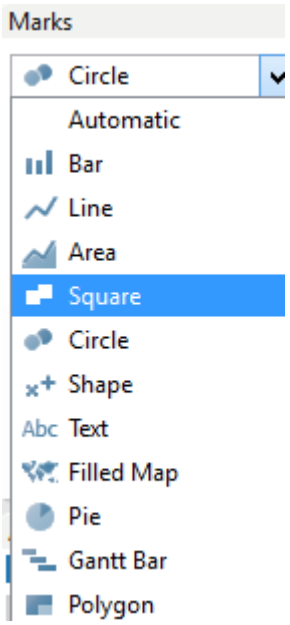

Edit Annotation
Arial
8
Insert
F1: <F1>
Sales Amount Sum: <DimDate#csv+ (FactInternetSales.csv).AGG(Sales Amount Sum)>
KPI Difference between Actual and Target: <DimDate#csv+ (FactInternetSales.csv).AGG(KPI Difference between Actual and Target)>
X: <SUM(X)>
Y: <SUM(Y)>
OK
Cancel

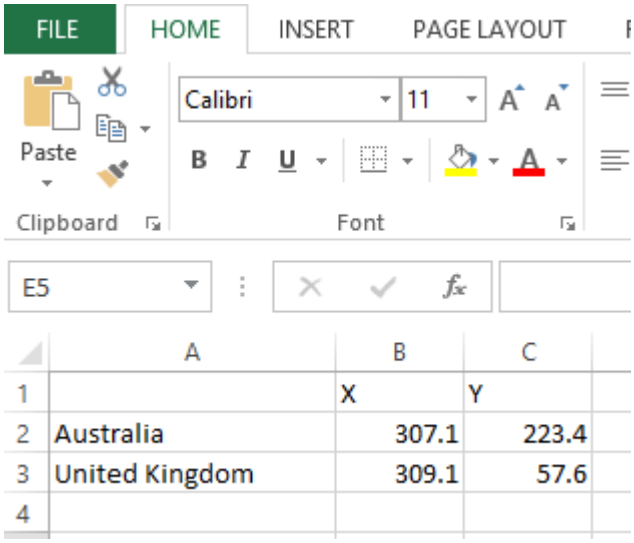

F1: Australia
Sales Amount Sum: 2,563,884
KPI Difference between Actual and Target: Above
X: 307.100
Y: 223.4
Keep Only
Exclude


Select All
View Data...
Copy
Format...
Mark Label
Annotate
Trend Lines
Forecast
Drop Lines
Hide Zoom Controls
Keep Only
Exclude
Group
Create Set...
Mark...
Point...
Area...

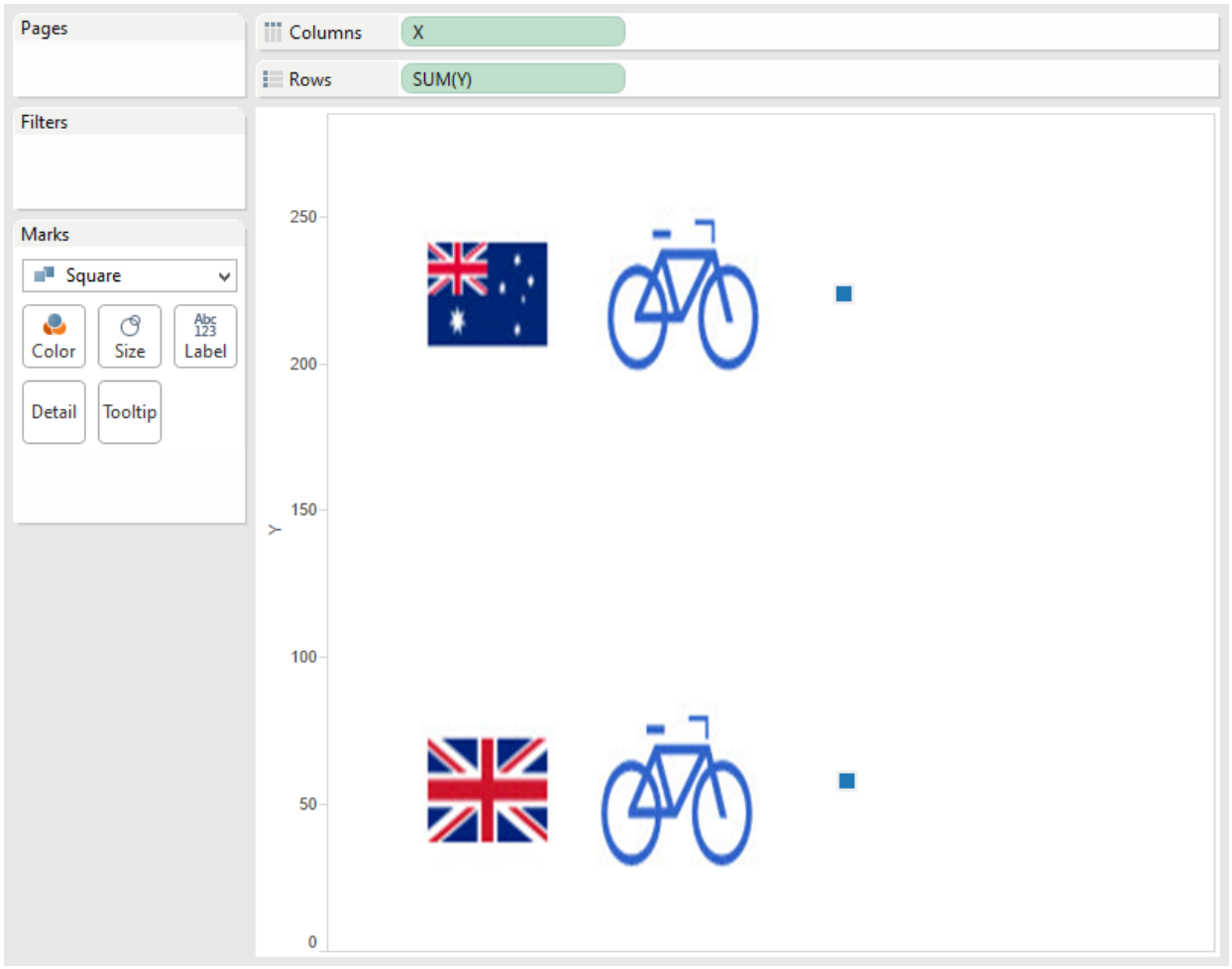
How does Australia compare to the United Kingdom overall?

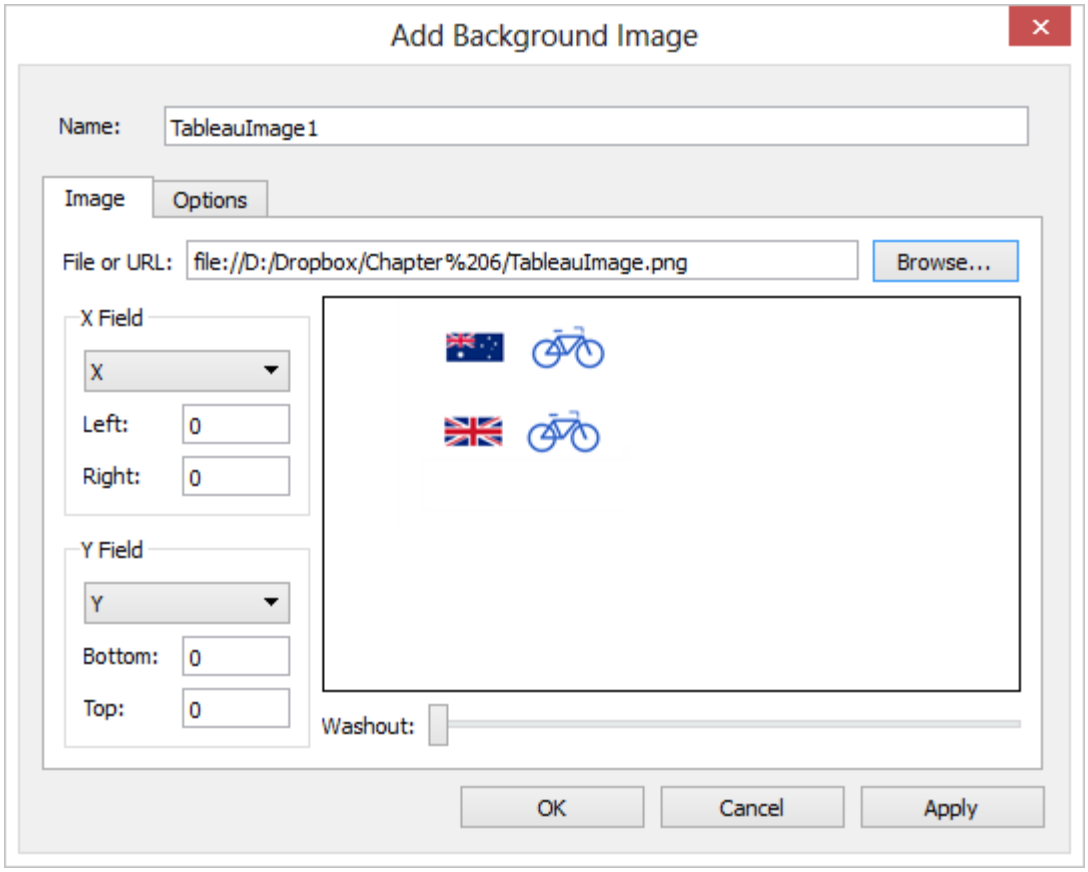


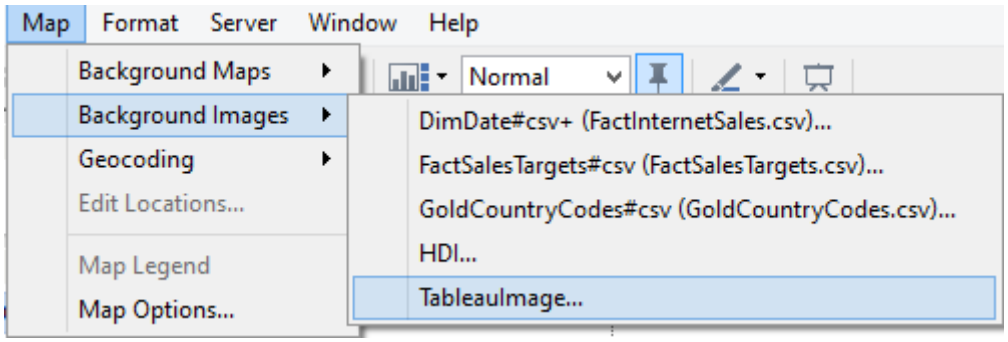


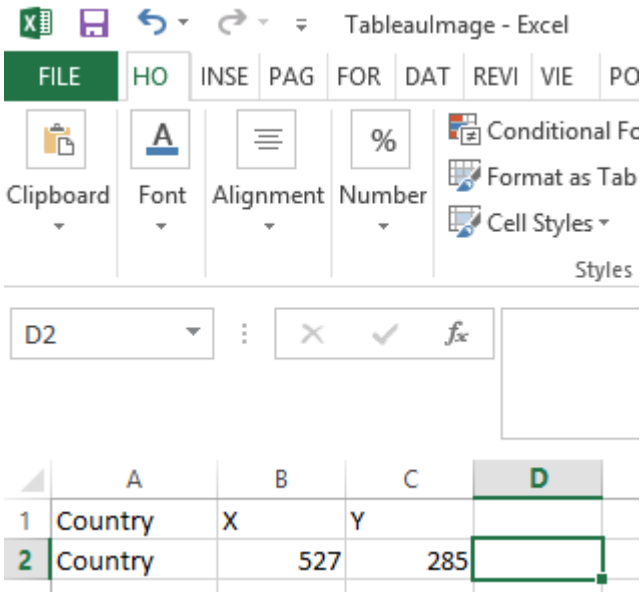


	A	B	C
1		X	Y
2	Australia	307.1	223.4
3	United Kingdom	309.1	57.6
4			

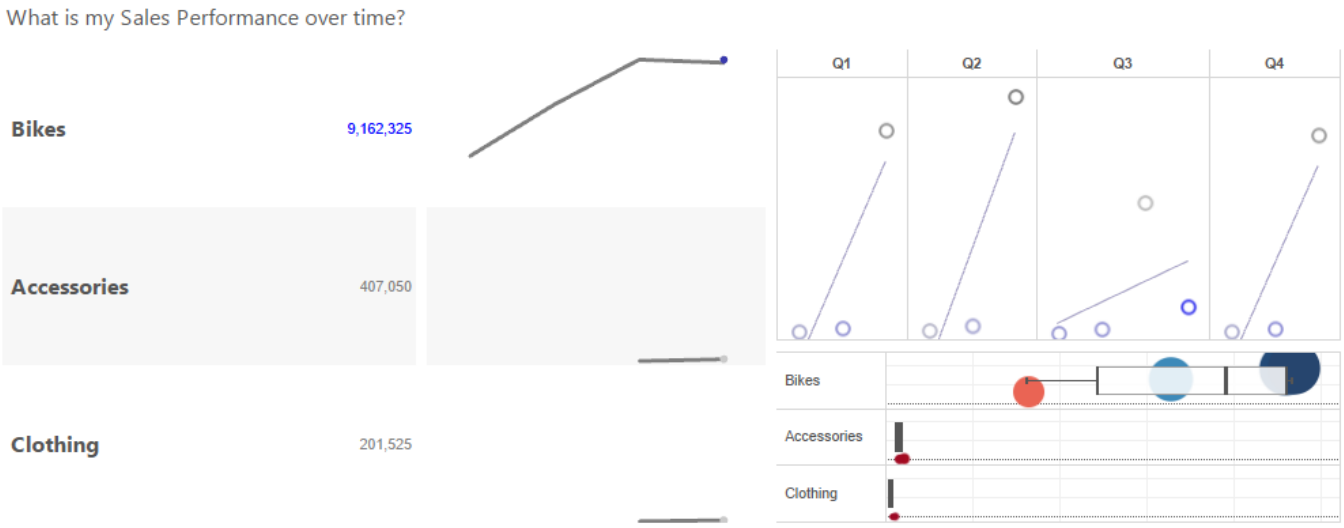


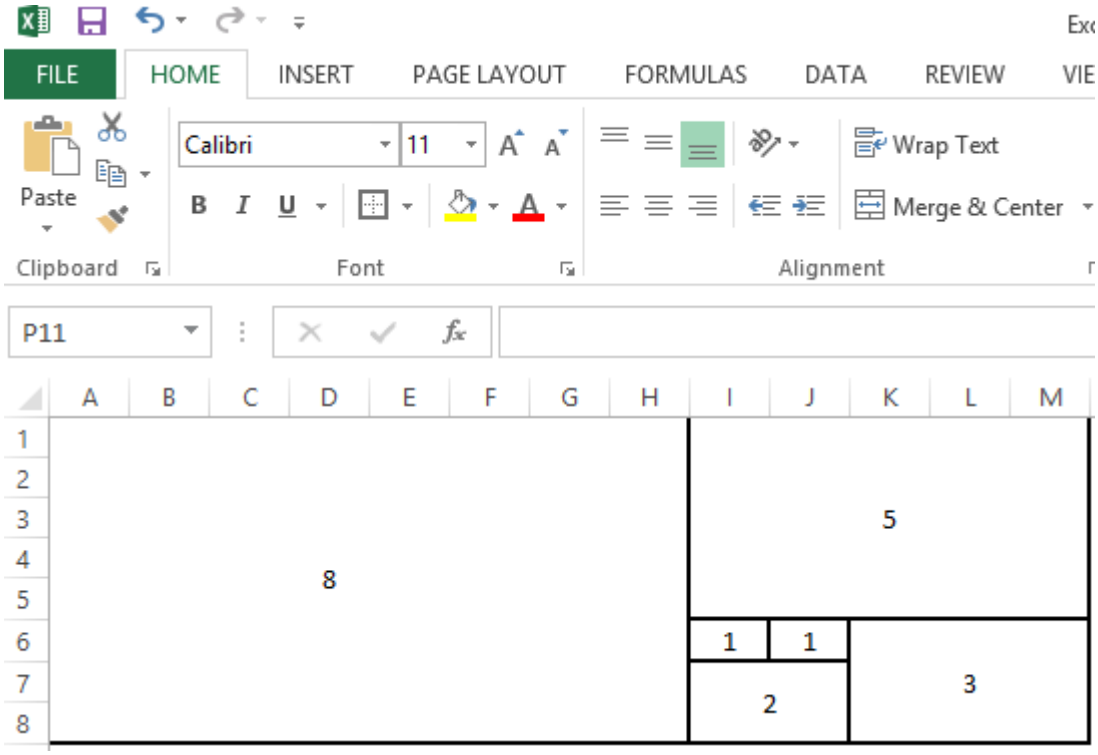

Add Background Image
Name:
TableauImage1
Image
Options
File or URL:
file://D:/Dropbox/Chapter%206/TableauImage.png
Browse...
X Field
X
Left:
0
Right:
0
Y Field
Y
Bottom:
0
Top:
0
Washout:
OK
Cancel
Apply

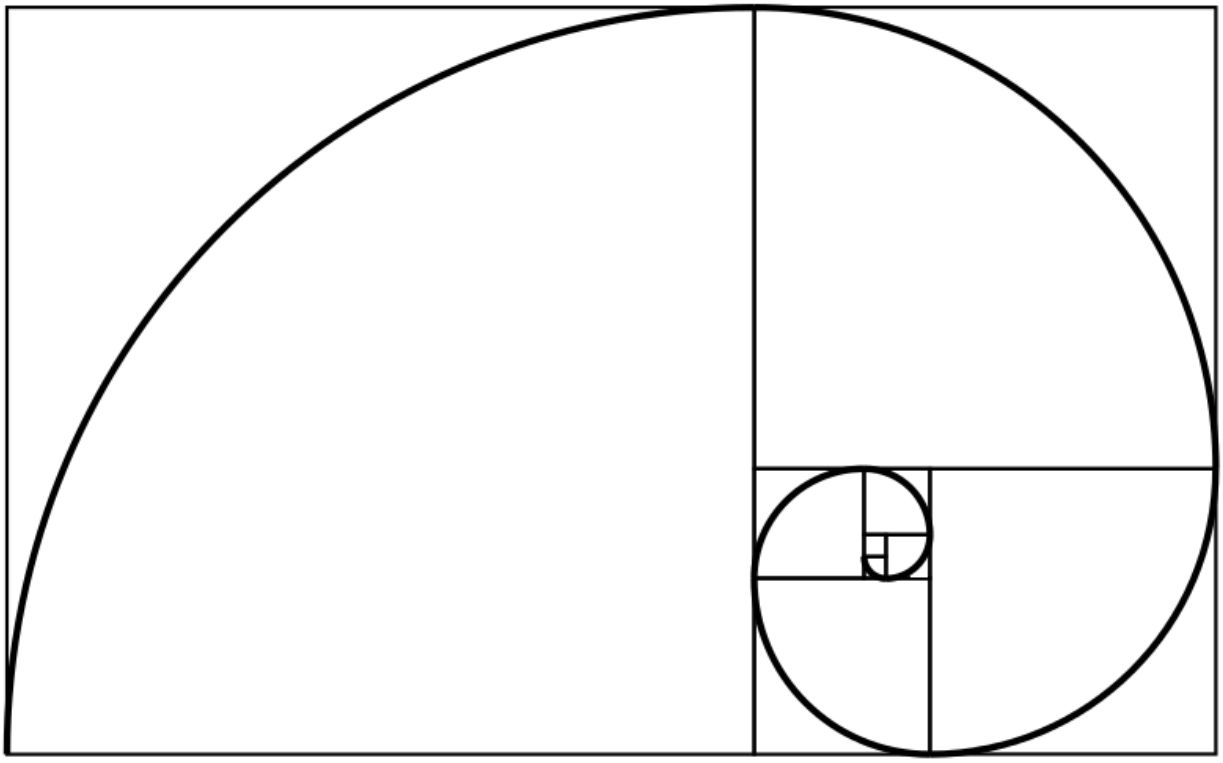

Map
Format
Server
Window
Help
Background Maps
Background Images
Geocoding
Edit Locations...
Map Legend
Map Options...
Normal
DimDate#csv+ (FactInternetSales.csv)...
FactSalesTargets#csv (FactSalesTargets.csv)...
GoldCountryCodes#csv (GoldCountryCodes.csv)...
HDI...
TableauImage...

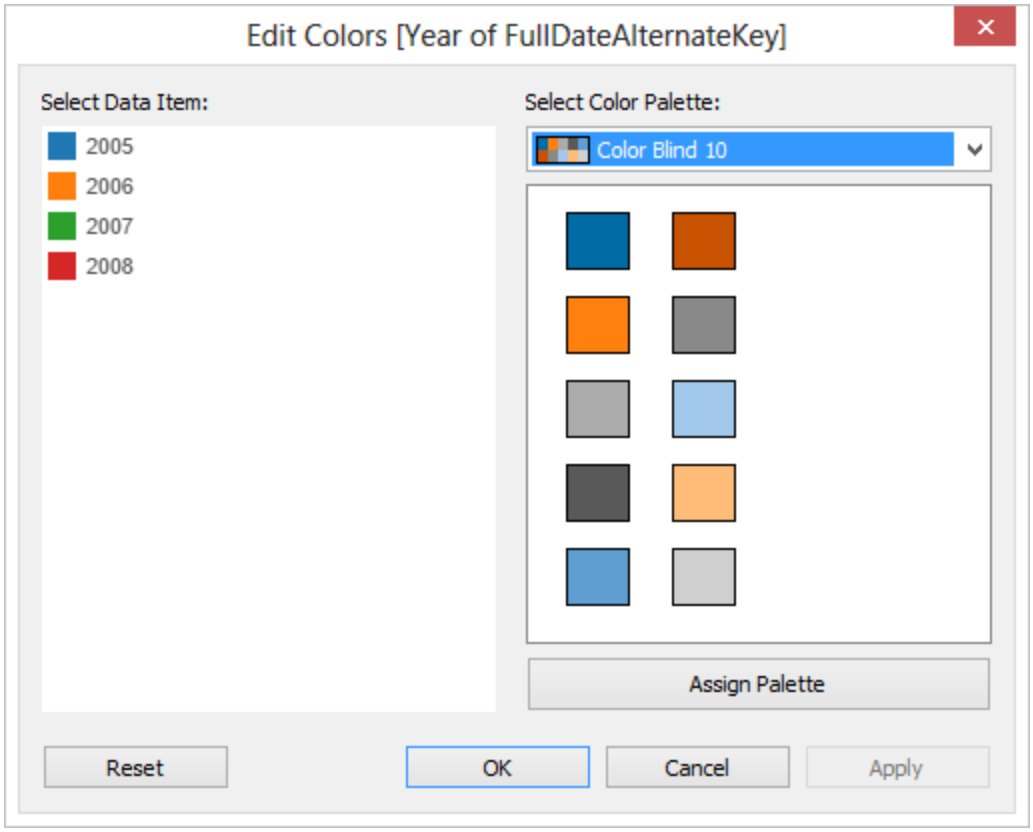

TableauImage - Excel
FILE
HO
INSE
PAG
FOR
DAT
REVI
VIE
PO
Clipboard
Font
Alignment
Number
Conditional Fc
Format as Tab
Cell Styles
Styles
D2
A
B
C
D
1
Country
X
Y
2
Country
527
285

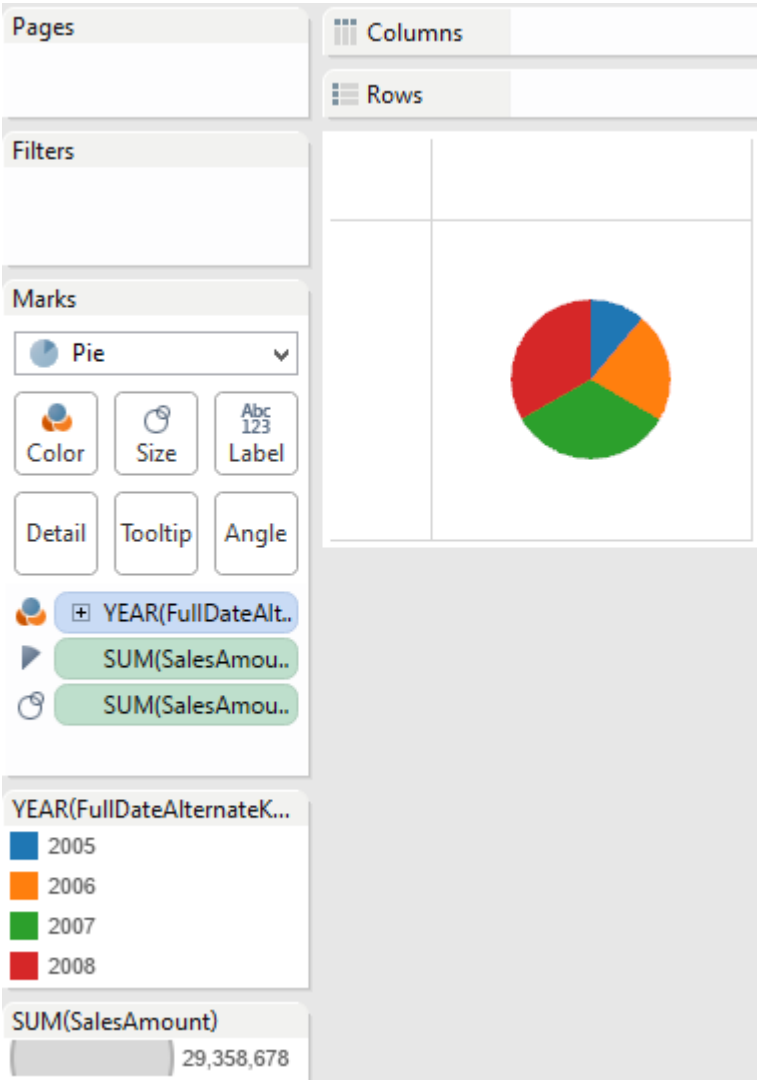
Chapter 7

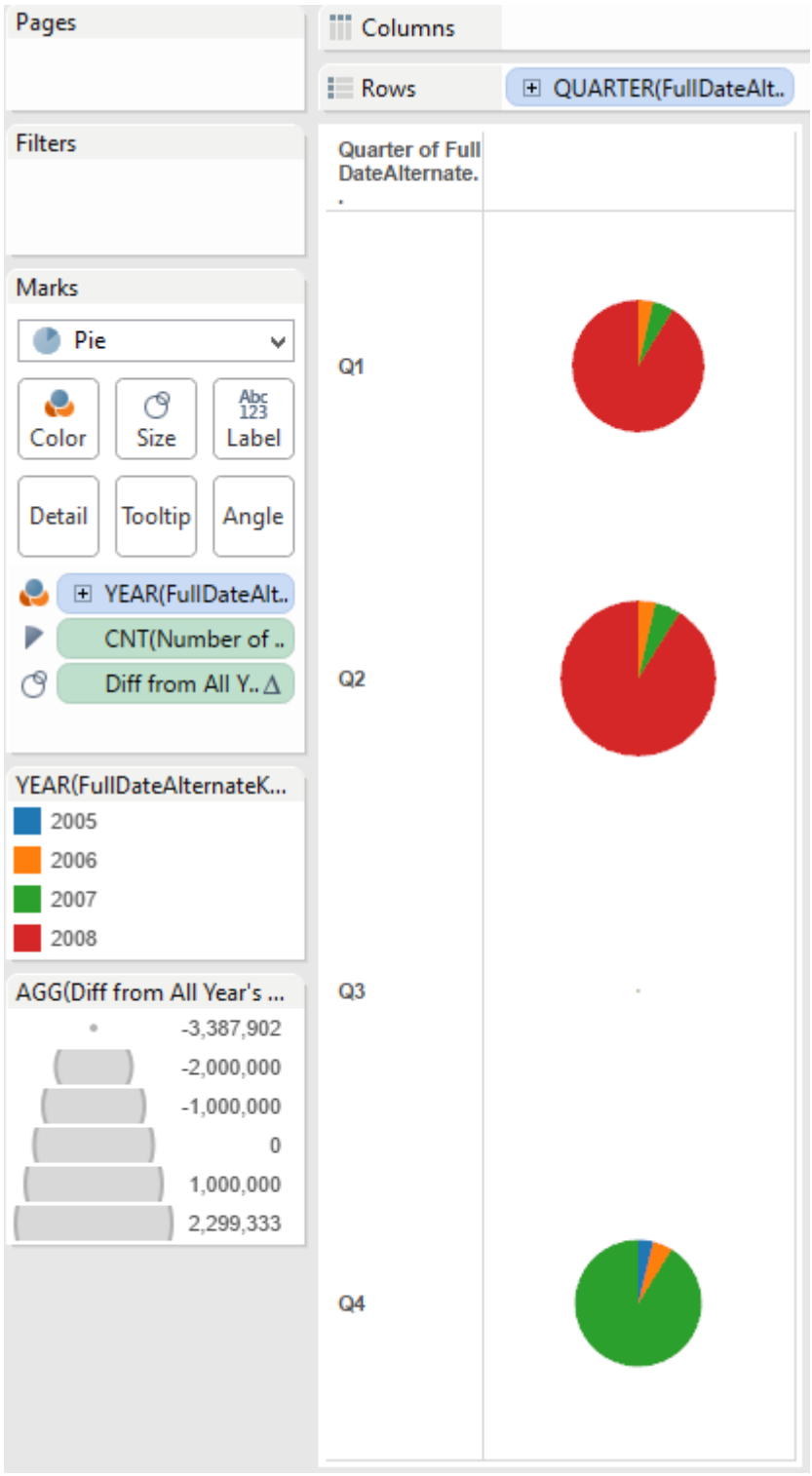

What is my Sales Performance over time?
Bikes
9,162,325
Accessories
407,050
Clothing
201,525
Q1
Q2
Q3
Q4
Bikes
Accessories
Clothing

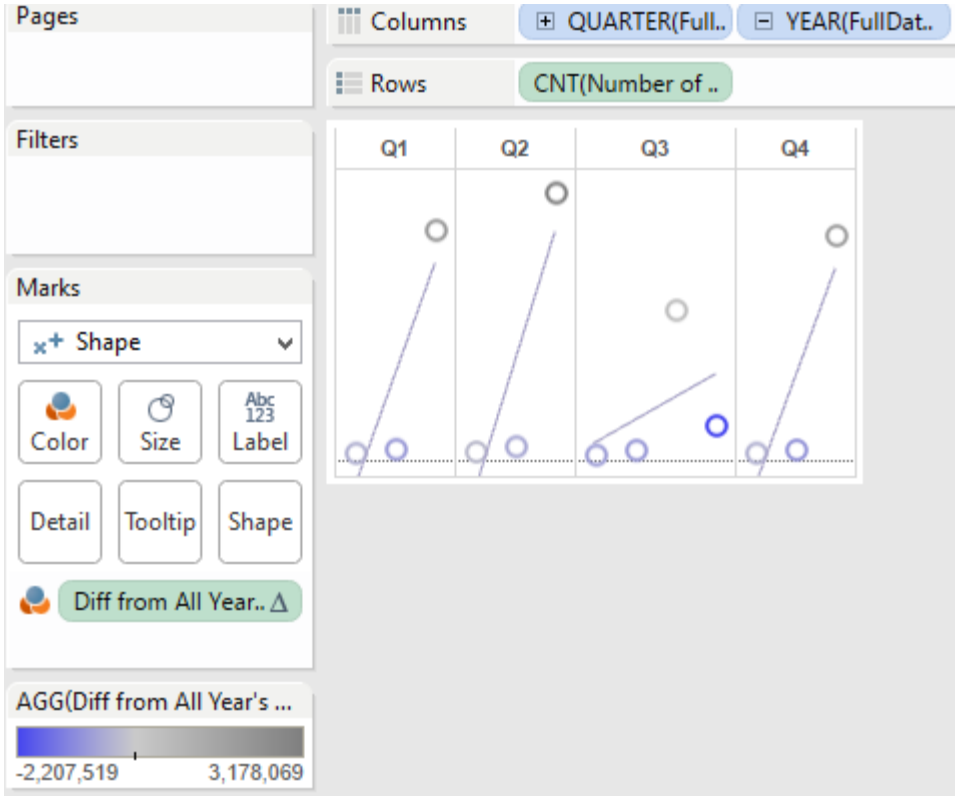

FILE
HOME
INSERT
PAGE LAYOUT
FORMULAS
DATA
REVIEW
Paste
Calibri
11
Wrap Text
Merge & Center
Clipboard
Font
Alignment
P11
8
5
1
1
2
3

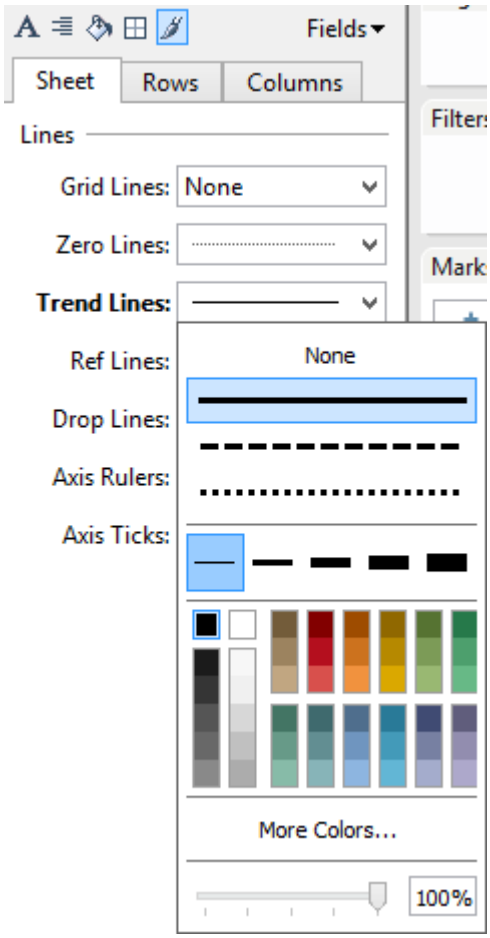


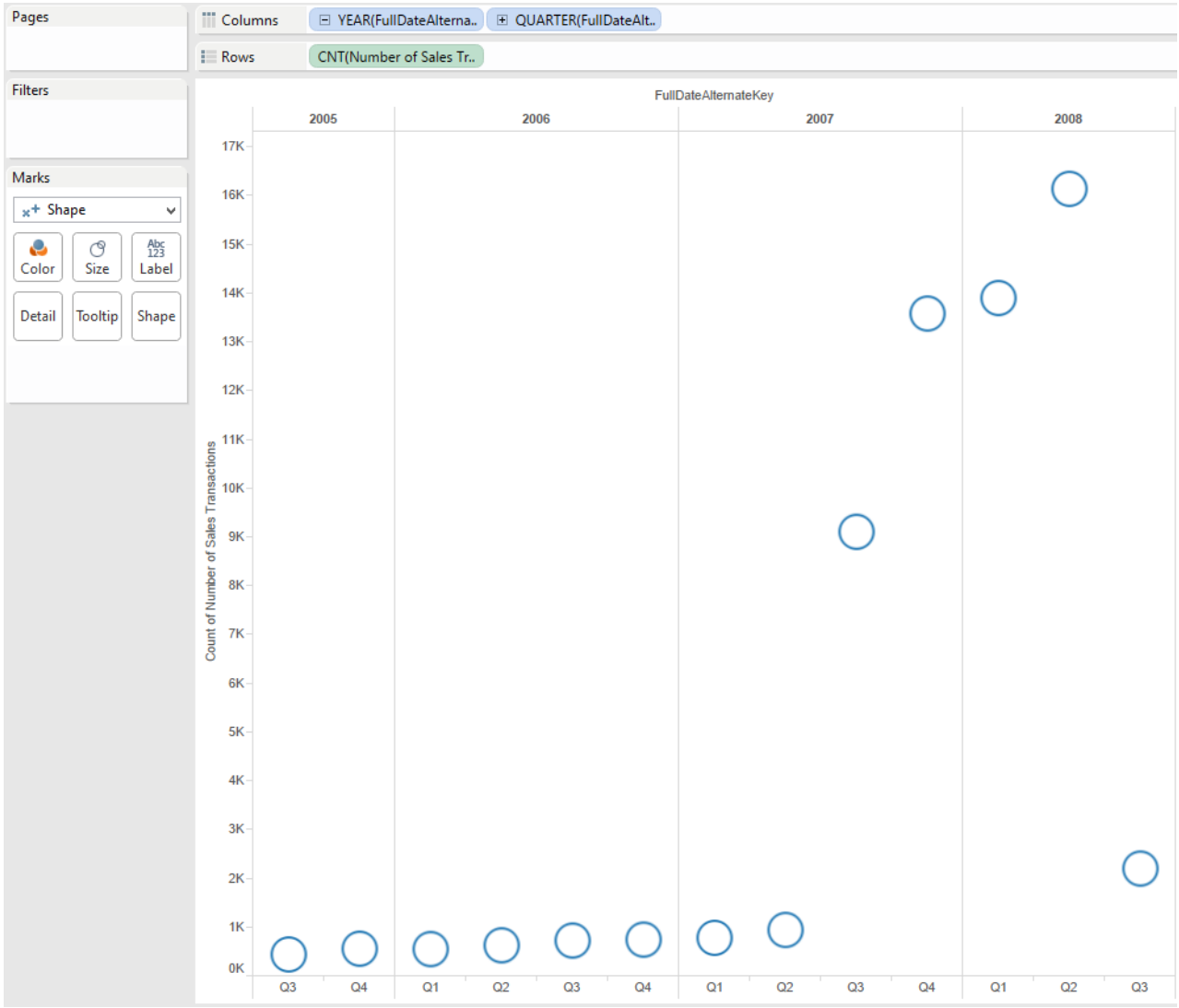

Edit Colors [Year of FullDateAlternateKey]
Select Data Item:
2005
2006
2007
2008
Select Color Palette:
Color Blind 10
Assign Palette
Reset
OK
Cancel
Apply

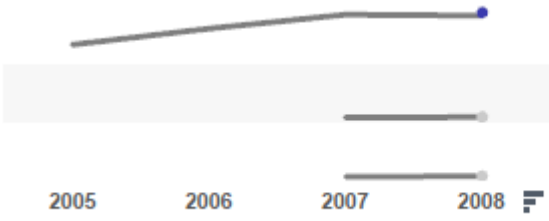

Pages
Columns
Rows
Filters
Marks
Pie
Color
Size
Label
Detail
Tooltip
Angle
YEAR(FullDateAlt..
SUM(SalesAmou..
SUM(SalesAmou..
YEAR(FullDateAlternateK...
2005
2006
2007
2008
SUM(SalesAmount)
29,358,678


Pages
Columns
Rows
QUARTER(FullDateAlt..
Filters
Quarter of Full DateAlternate.
Marks
Pie
Color
Size
Label
Detail
Tooltip
Angle
YEAR(FullDateAlt..
CNT(Number of ..
Diff from All Y.. Δ
YEAR(FullDateAlternateK...
2005
2006
2007
2008
AGG(Diff from All Year's ...
-3,387,902
-2,000,000
-1,000,000
0
1,000,000
2,299,333
Q1
Q2
Q3
Q4

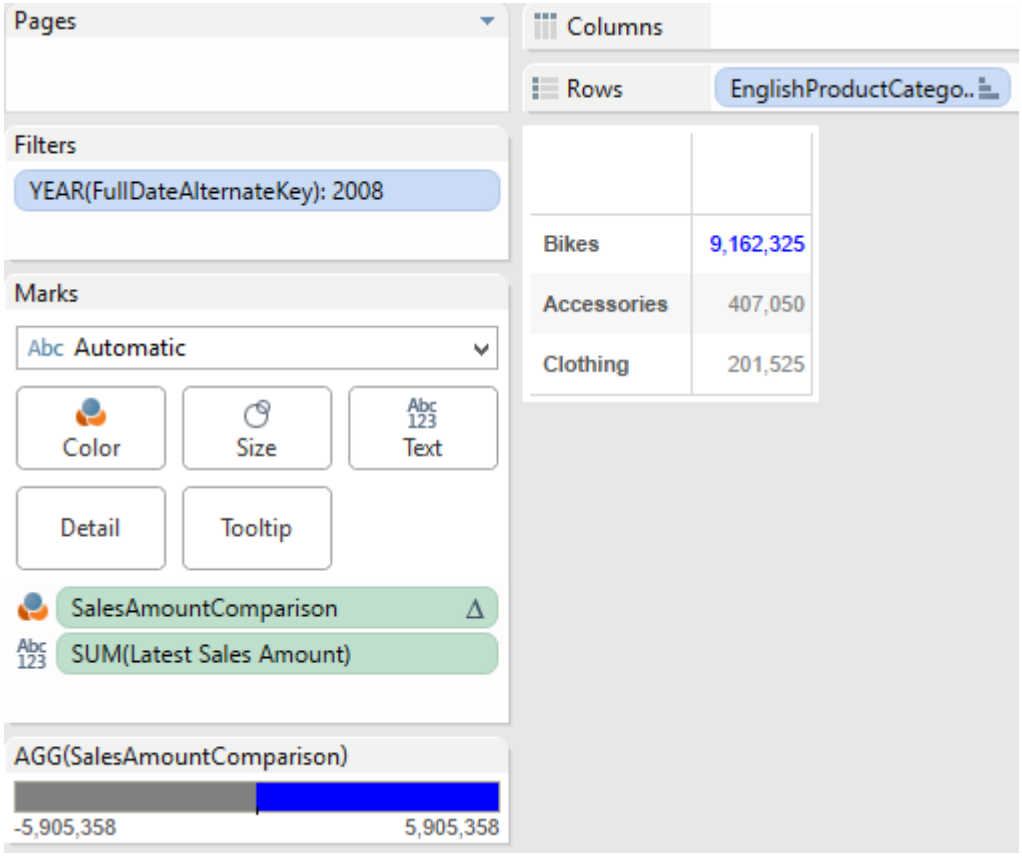

Pages
Columns
QUARTER(Full..
YEAR(FullDat..
Rows
CNT(Number of ..
Filters
Q1
Q2
Q3
Q4
Marks
Shape
Color
Size
Abc 123
Label
Detail
Tooltip
Shape
Diff from All Year.. Δ
AGG(Diff from All Year's ...
-2,207,519
3,178,069

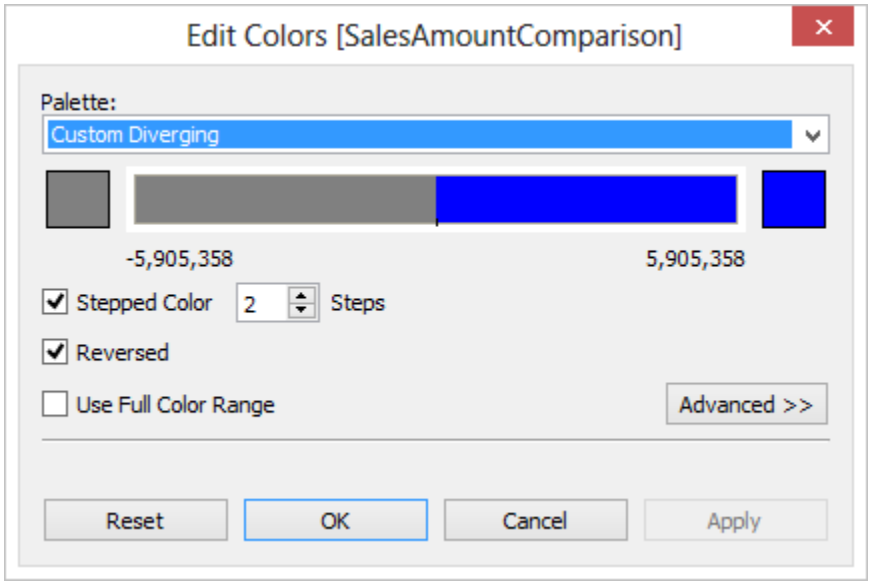

Fields
Sheet
Rows
Columns
Lines
Grid Lines:
None
Zero Lines:
Trend Lines:
Ref Lines:
Drop Lines:
Axis Rulers:
Axis Ticks:
None
More Colors...
100%

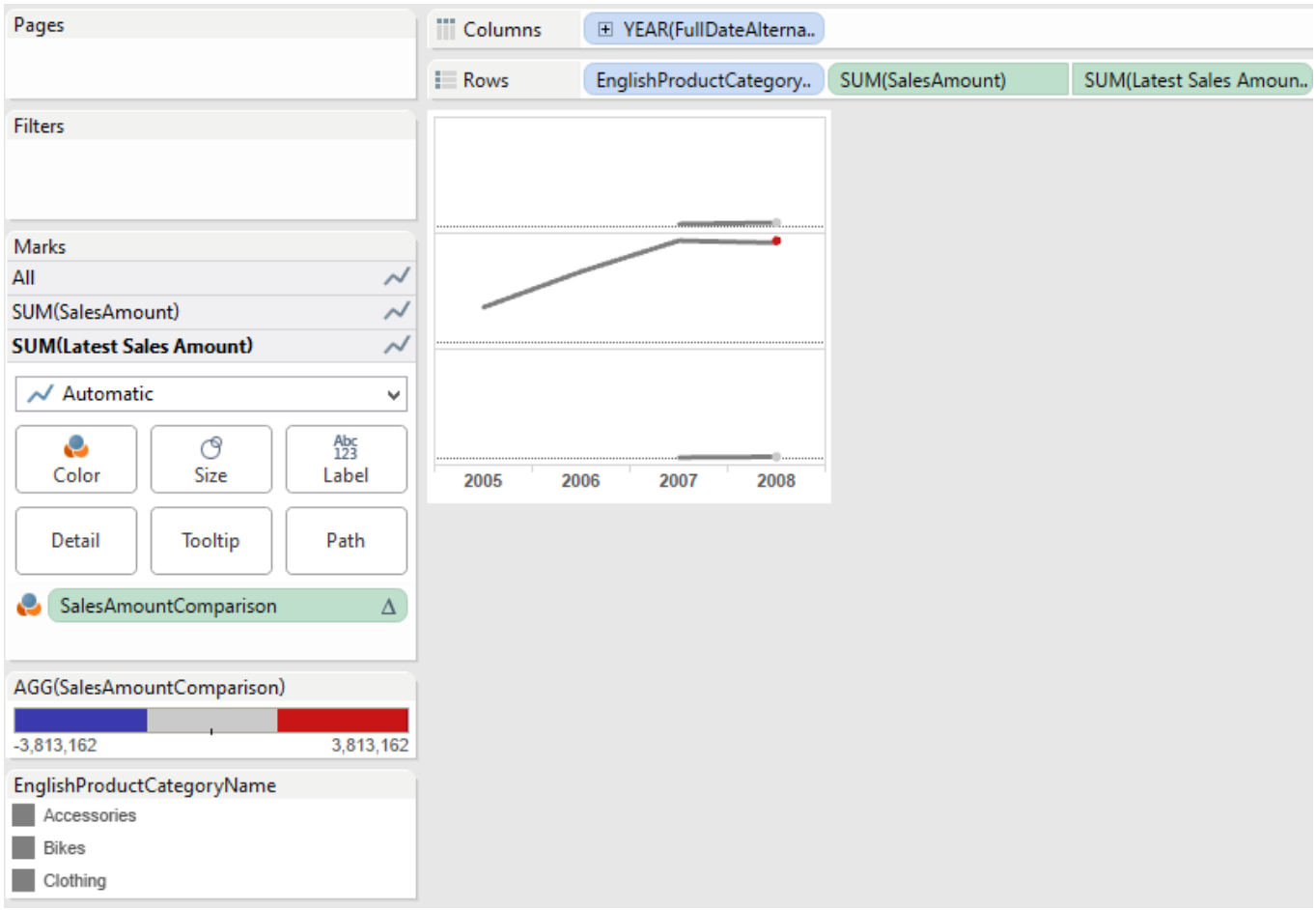


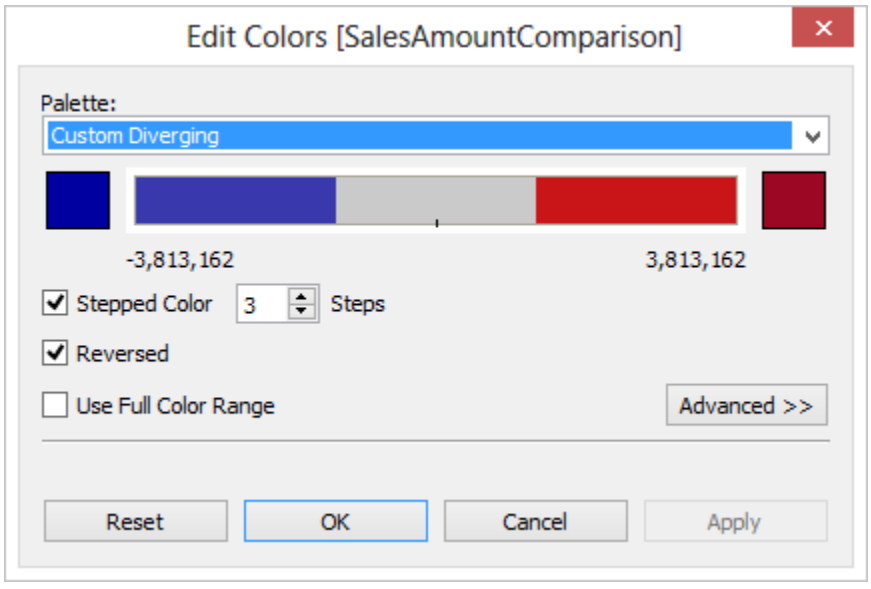


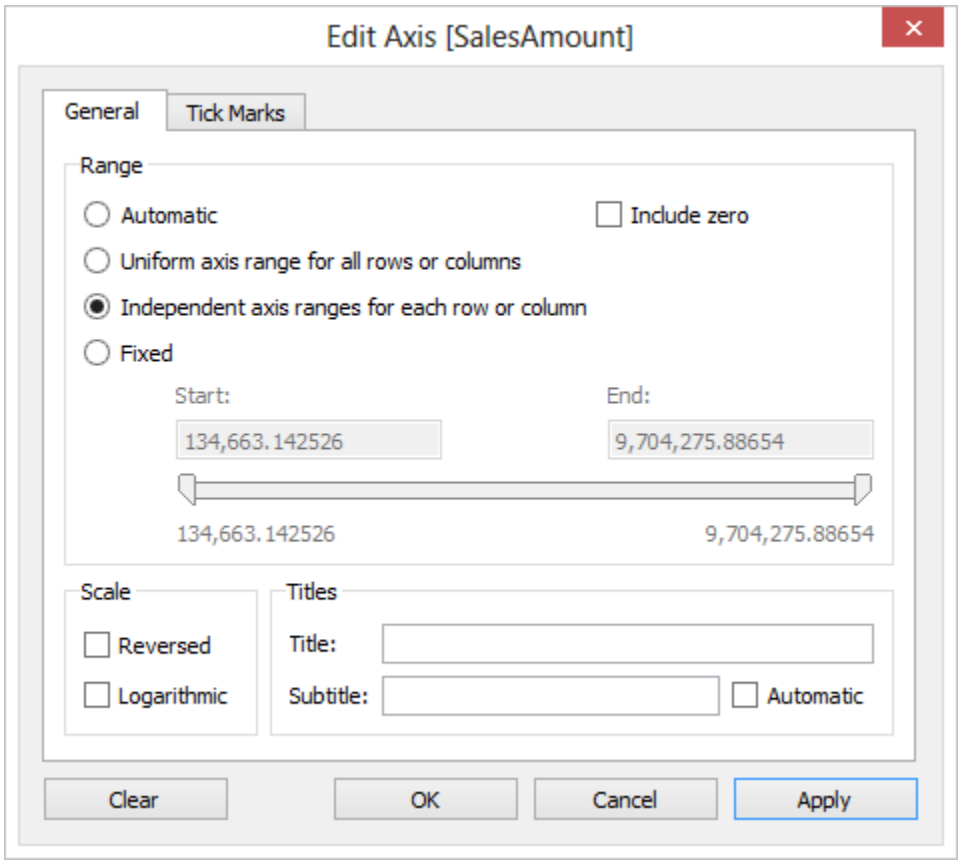
Bikes	9,162,325
Accessories	407,050
Clothing	201,525

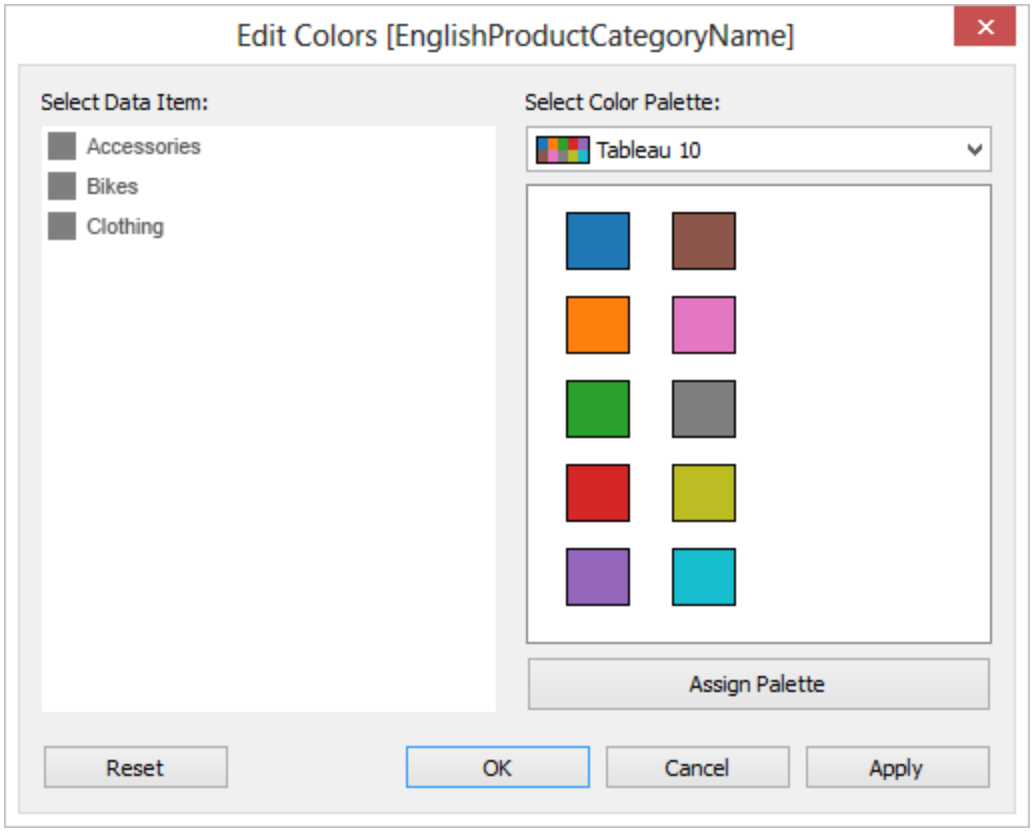

Pages
Columns
Rows
EnglishProductCatego..
Filters
YEAR(FullDateAlternateKey): 2008
Bikes
9,162,325
Accessories
407,050
Clothing
201,525
Marks
Abc Automatic
Color
Size
Abc 123 Text
Detail
Tooltip
SalesAmountComparison
Abc 123 SUM(Latest Sales Amount)
AGG(SalesAmountComparison)
-5,905,358
5,905,358

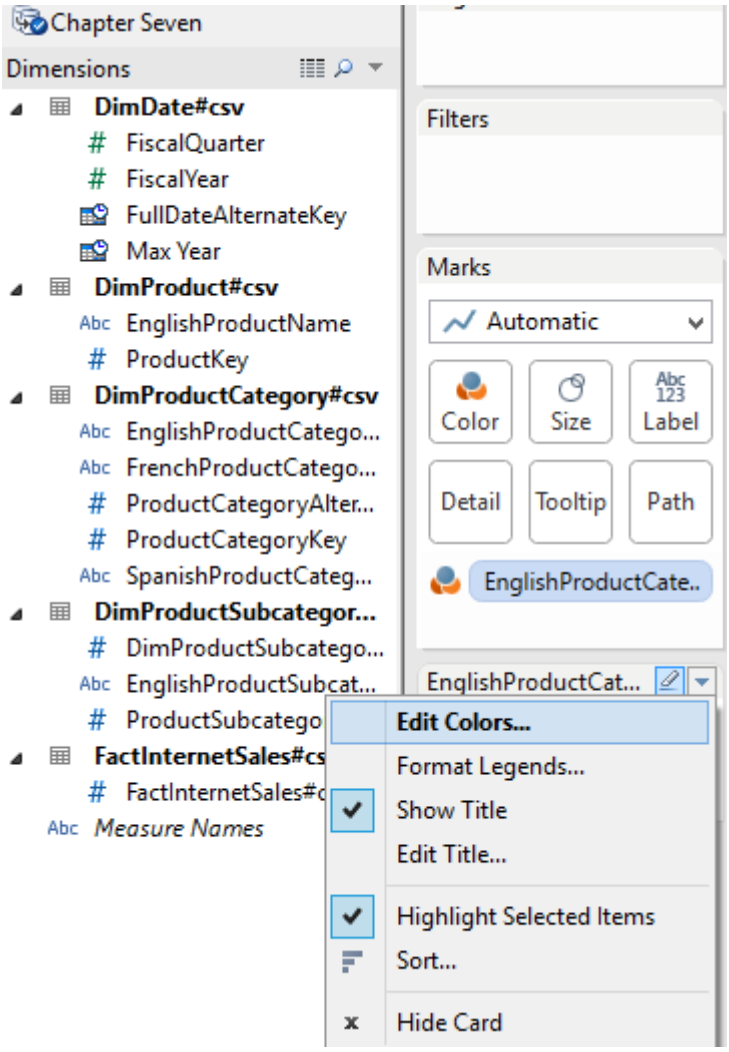

Edit Colors [SalesAmountComparison]
Palette:
Custom Diverging
-5,905,358
5,905,358
Stepped Color
2
Steps
Reversed
Use Full Color Range
Advanced >>
Reset
OK
Cancel
Apply

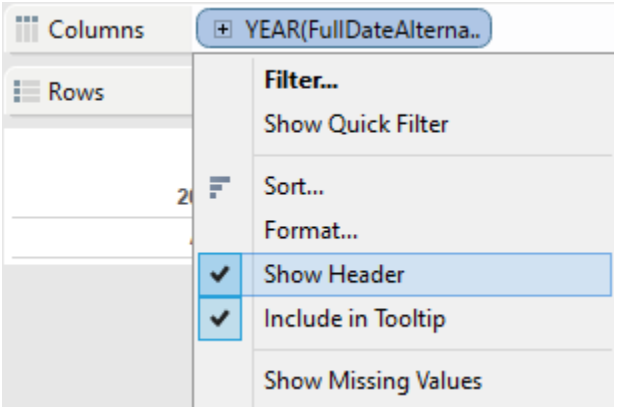

Pages
Columns
YEAR(FullDateAlterna..
Rows
EnglishProductCategory..
SUM(SalesAmount)
SUM(Latest Sales Amoun..
Filters
Marks
All
SUM(SalesAmount)
SUM(Latest Sales Amount)
Automatic
Color
Size
Label
Detail
Tooltip
Path
SalesAmountComparison
AGG(SalesAmountComparison)
-3,813,162
3,813,162
EnglishProductCategoryName
Accessories
Bikes
Clothing
2005
2006
2007
2008

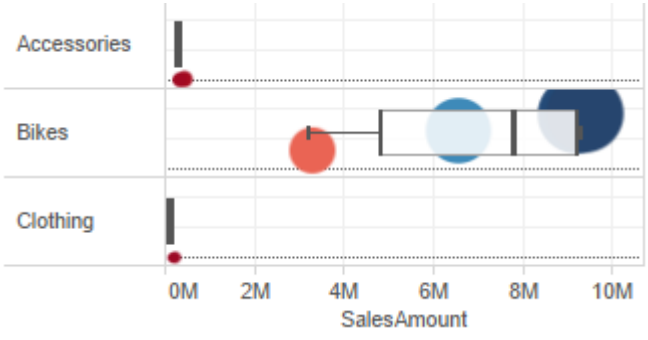

Edit Colors [SalesAmountComparison]
Palette:
Custom Diverging
-3,813,162
3,813,162
Stepped Color
3
Steps
Reversed
Use Full Color Range
Advanced >>
Reset
OK
Cancel
Apply

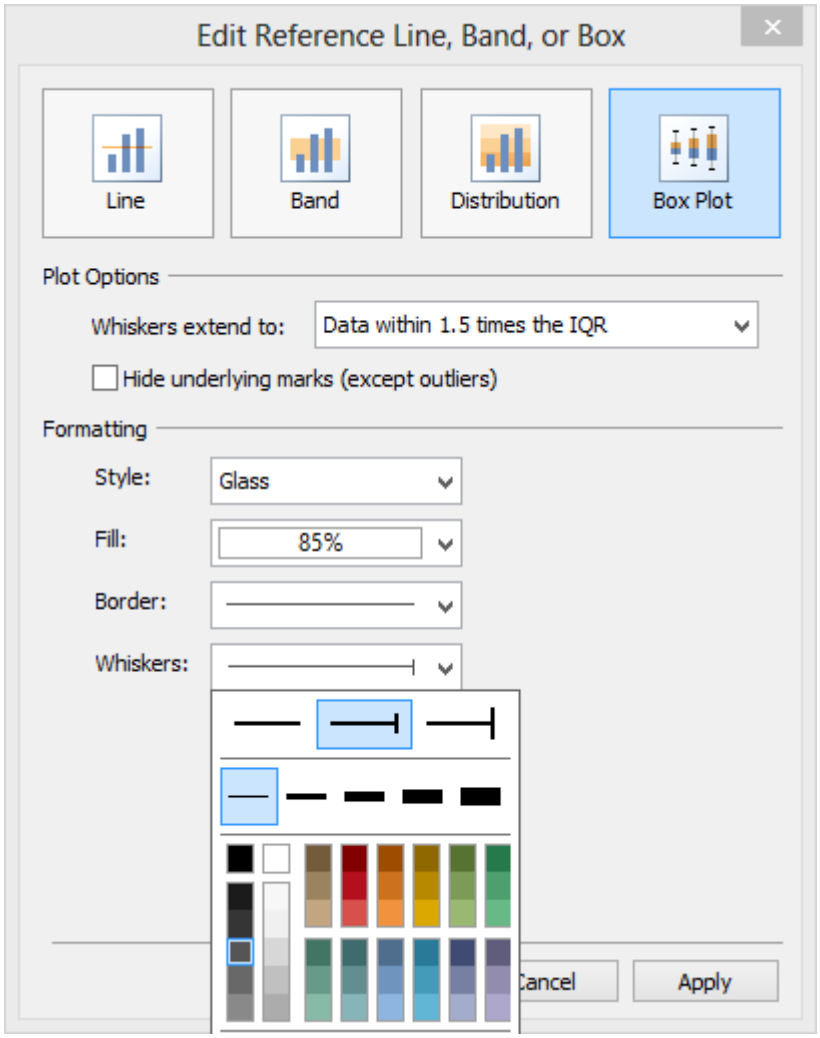

Edit Axis [SalesAmount]
General
Tick Marks
Range
Automatic
Include zero
Uniform axis range for all rows or columns
Independent axis ranges for each row or column
Fixed
Start:
End:
134,663.142526
9,704,275.88654
134,663.142526
9,704,275.88654
Scale
Reversed
Logarithmic
Titles
Title:
Subtitle:
Automatic
Clear
OK
Cancel
Apply

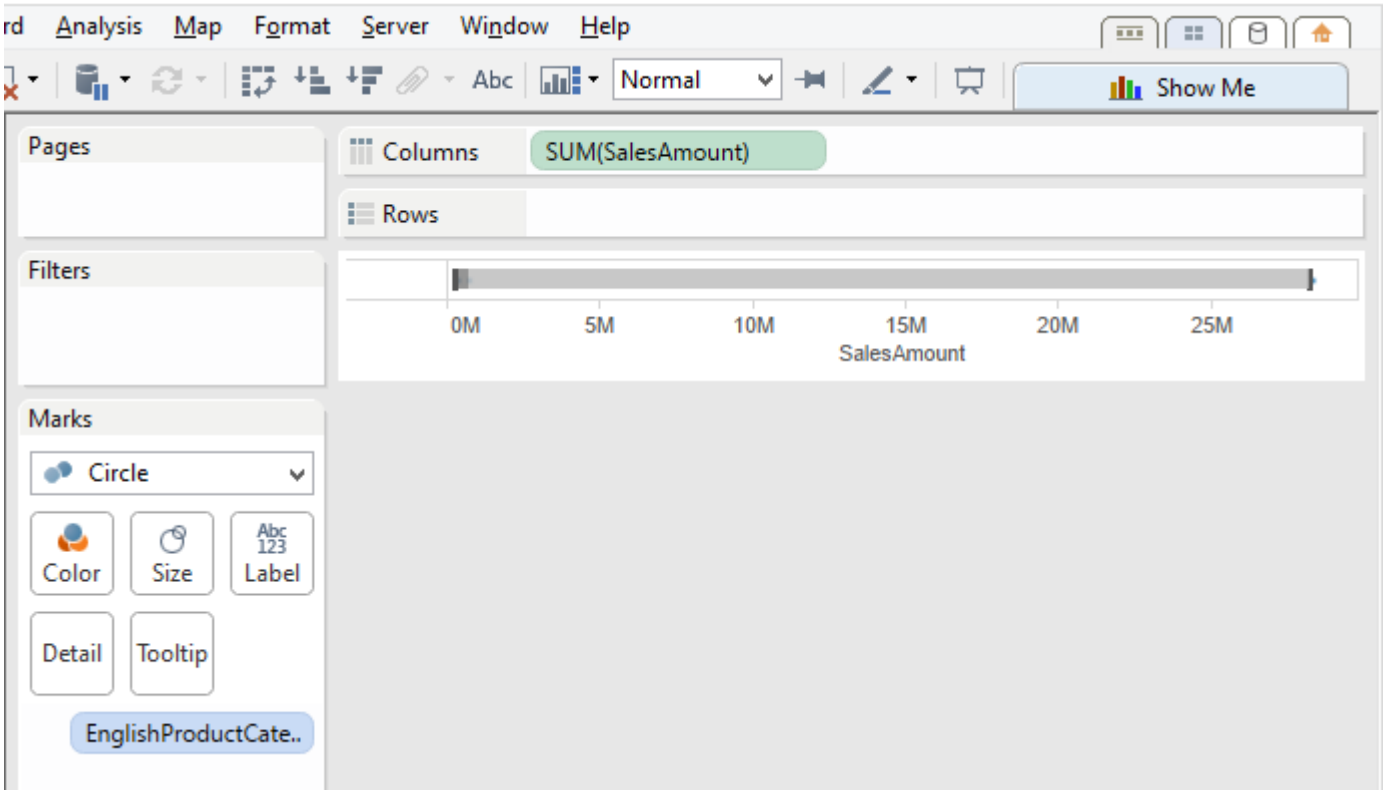

Edit Colors [EnglishProductCategoryName]
Select Data Item:
Accessories
Bikes
Clothing
Select Color Palette:
Tableau 10
Assign Palette
Reset
OK
Cancel
Apply

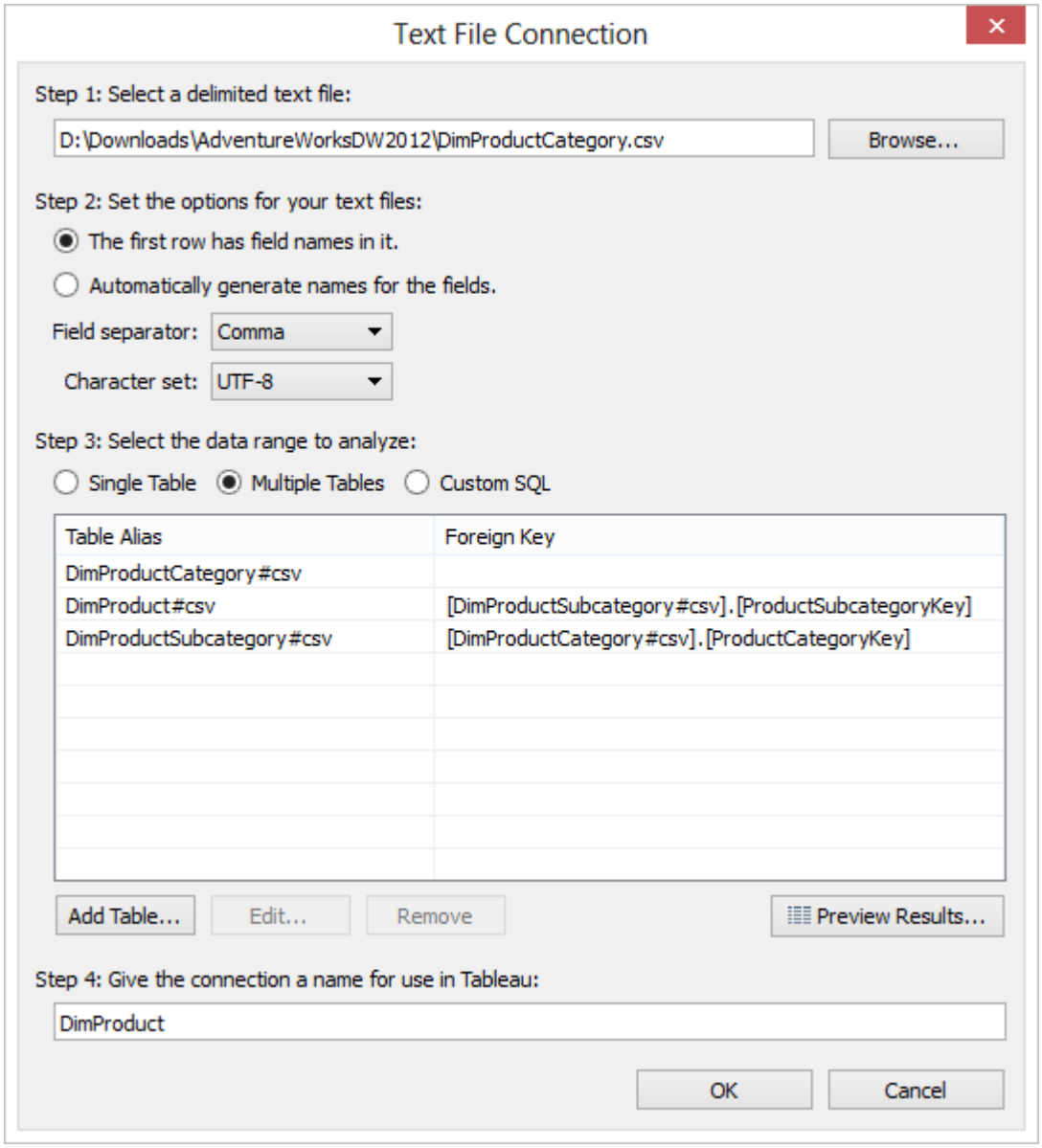

Chapter Seven
Dimensions
DimDate#csv
FiscalQuarter
FiscalYear
FullDateAlternateKey
Max Year
DimProduct#csv
EnglishProductName
ProductKey
DimProductCategory#csv
EnglishProductCatego...
FrenchProductCatego...
ProductCategoryAlter...
ProductCategoryKey
SpanishProductCateg...
DimProductSubcategor...
DimProductSubcatego...
EnglishProductSubcat...
ProductSubcatego
FactInternetSales#cs
FactInternetSales#c
Measure Names
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Path
EnglishProductCate..
EnglishProductCat...
Edit Colors...
Format Legends...
Show Title
Edit Title...
Highlight Selected Items
Sort...
Hide Card

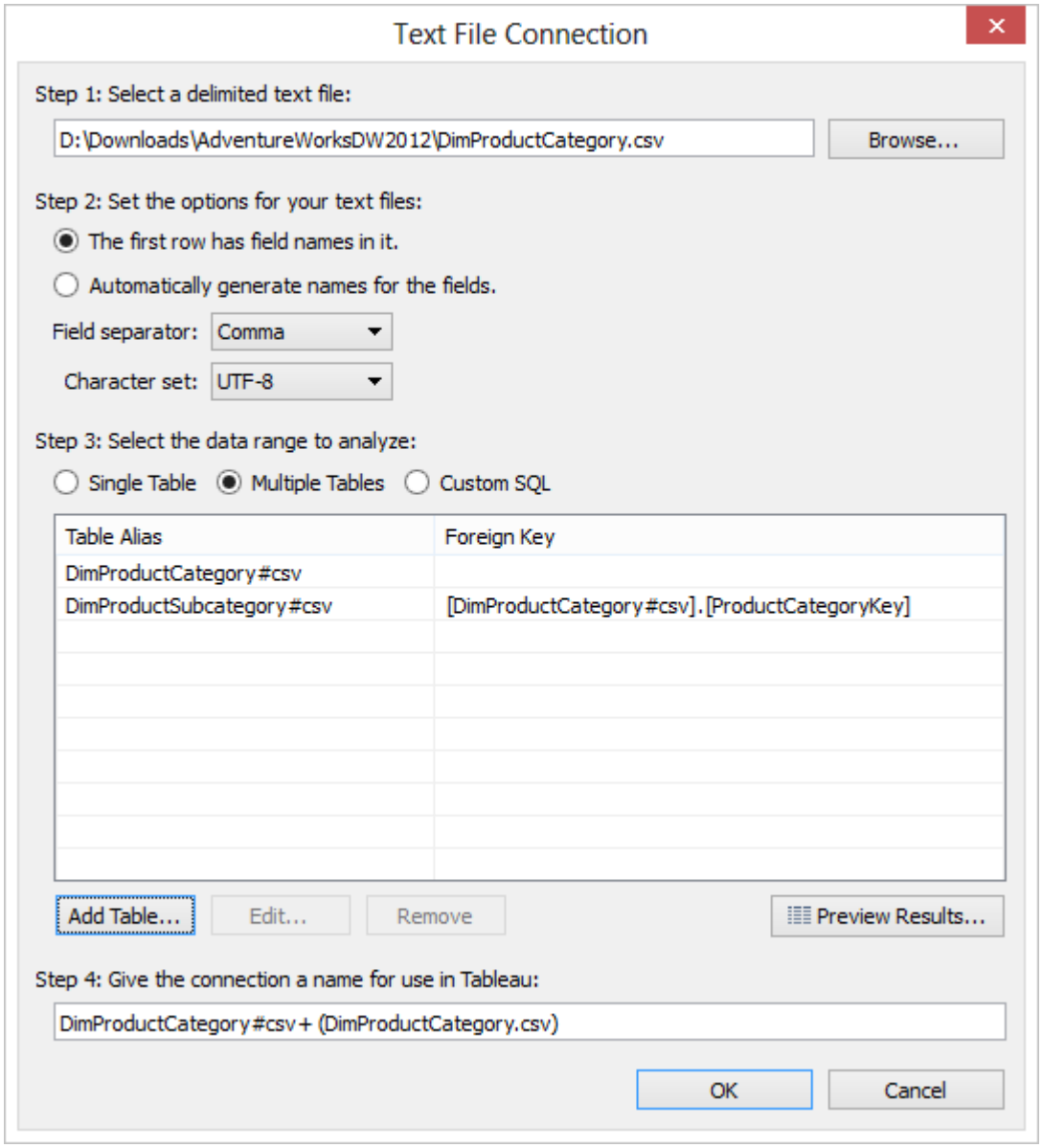

Columns
YEAR(FullDateAlterna..
Rows
Filter...
Show Quick Filter
Sort...
Format...
Show Header
Include in Tooltip
Show Missing Values

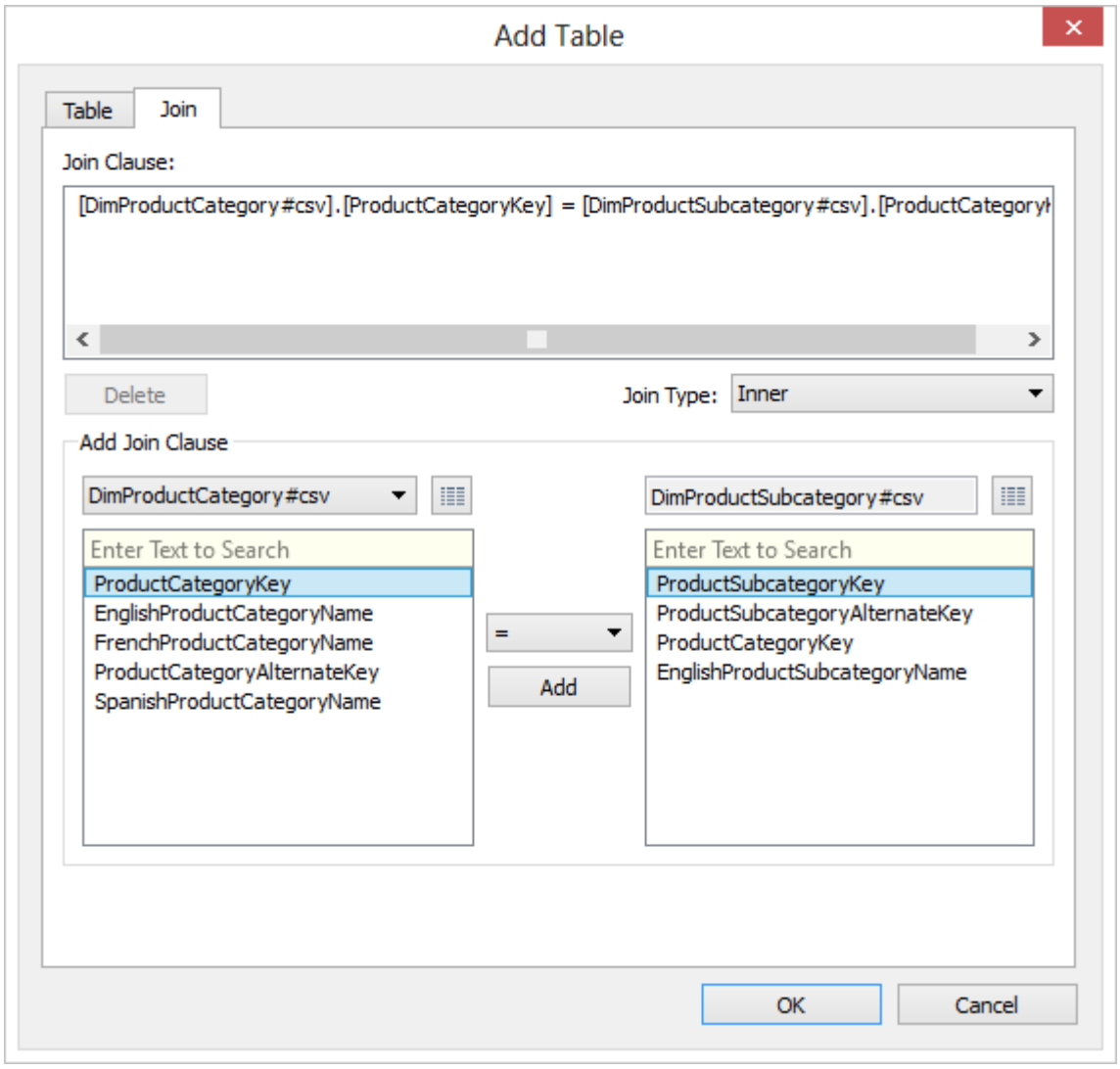

Accessories
Bikes
Clothing
0M
2M
4M
6M
8M
10M
SalesAmount

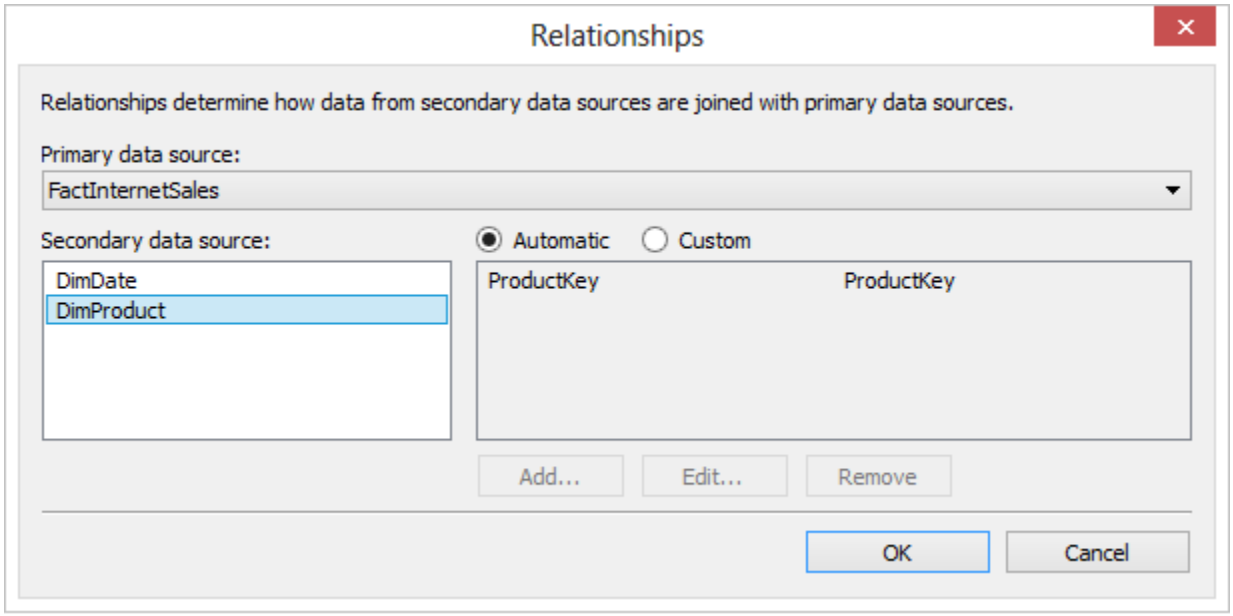

Edit Reference Line, Band, or Box
Line
Band
Distribution
Box Plot
Plot Options
Whiskers extend to:
Data within 1.5 times the IQR
Hide underlying marks (except outliers)
Formatting
Style:
Glass
Fill:
85%
Border:
Whiskers:
Cancel
Apply

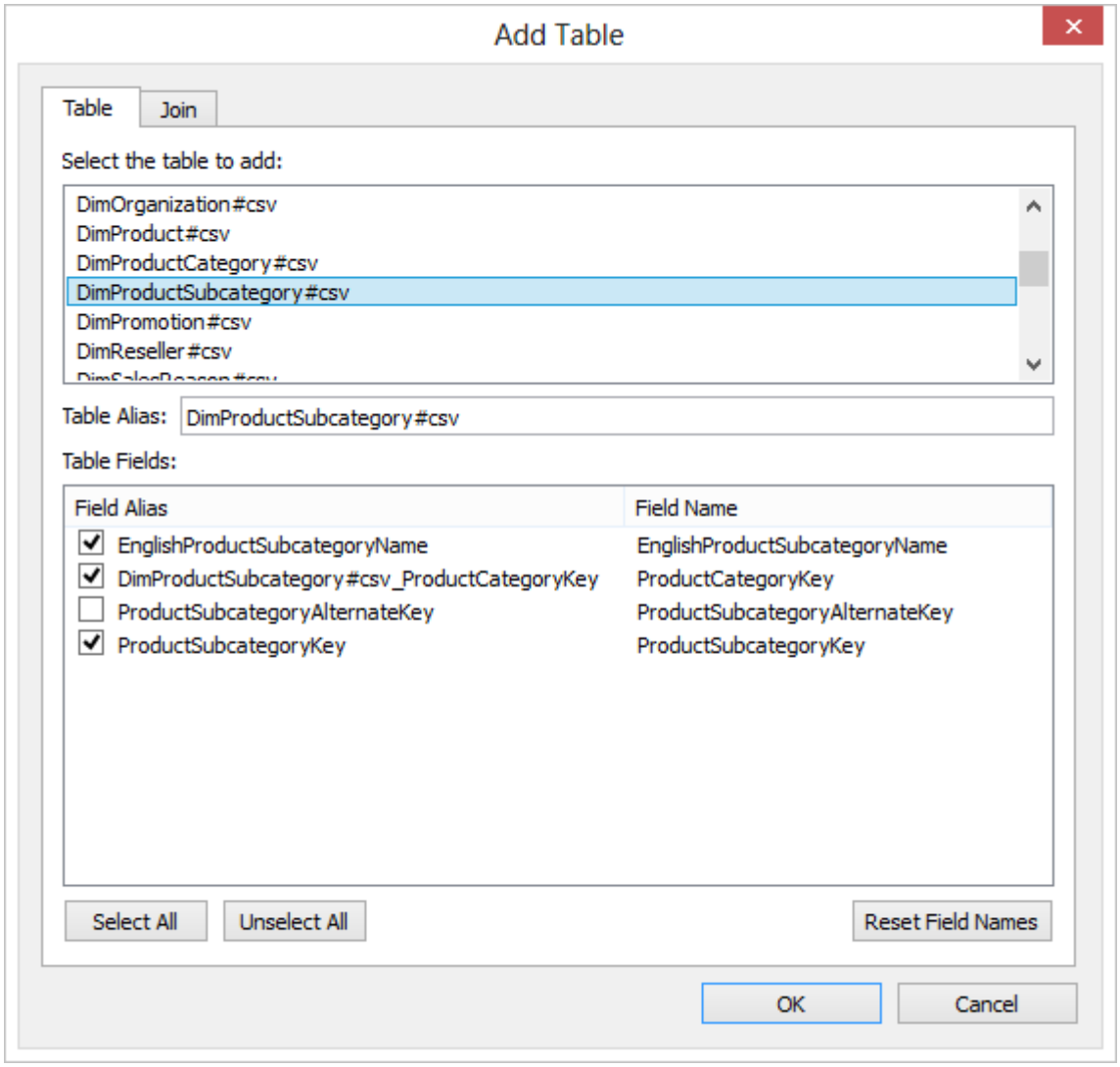

Analysis
Map
Format
Server
Window
Help
Normal
Show Me
Pages
Columns
SUM(SalesAmount)
Rows
Filters
0M
5M
10M
15M
20M
25M
SalesAmount
Marks
Circle
Color
Size
Label
Detail
Tooltip
EnglishProductCate..


Text File Connection
Step 1: Select a delimited text file:
D:\Downloads\AdventureWorksDW2012\DimProductCategory.csv
Browse...
Step 2: Set the options for your text files:
The first row has field names in it.
Automatically generate names for the fields.
Field separator: Comma
Character set: UTF-8
Step 3: Select the data range to analyze:
Single Table
Multiple Tables
Custom SQL
Table Alias
Foreign Key
DimProductCategory#csv
DimProduct#csv
[DimProductSubcategory#csv].[ProductSubcategoryKey]
DimProductSubcategory#csv
[DimProductCategory#csv].[ProductCategoryKey]
Add Table...
Edit...
Remove
Preview Results...
Step 4: Give the connection a name for use in Tableau:
DimProduct
OK
Cancel

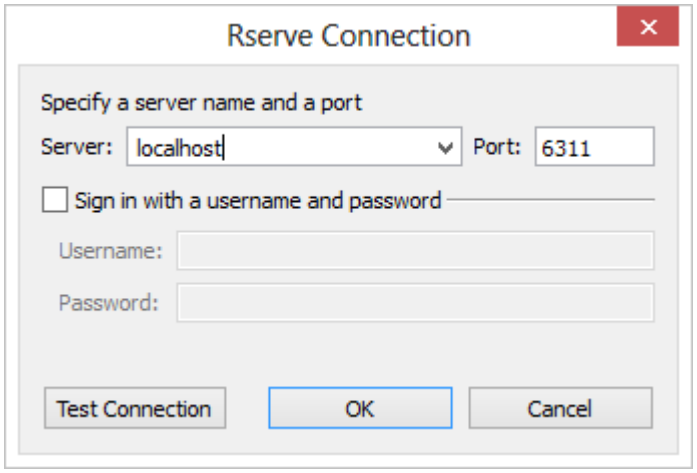

Text File Connection
Step 1: Select a delimited text file:
D:\Downloads\AdventureWorksDW2012\DimProductCategory.csv
Browse...
Step 2: Set the options for your text files:
The first row has field names in it.
Automatically generate names for the fields.
Field separator: Comma
Character set: UTF-8
Step 3: Select the data range to analyze:
Single Table
Multiple Tables
Custom SQL
Table Alias
Foreign Key
DimProductCategory#csv
DimProductSubcategory#csv
[DimProductCategory#csv].[ProductCategoryKey]
Add Table...
Edit...
Remove
Preview Results...
Step 4: Give the connection a name for use in Tableau:
DimProductCategory#csv+ (DimProductCategory.csv)
OK
Cancel

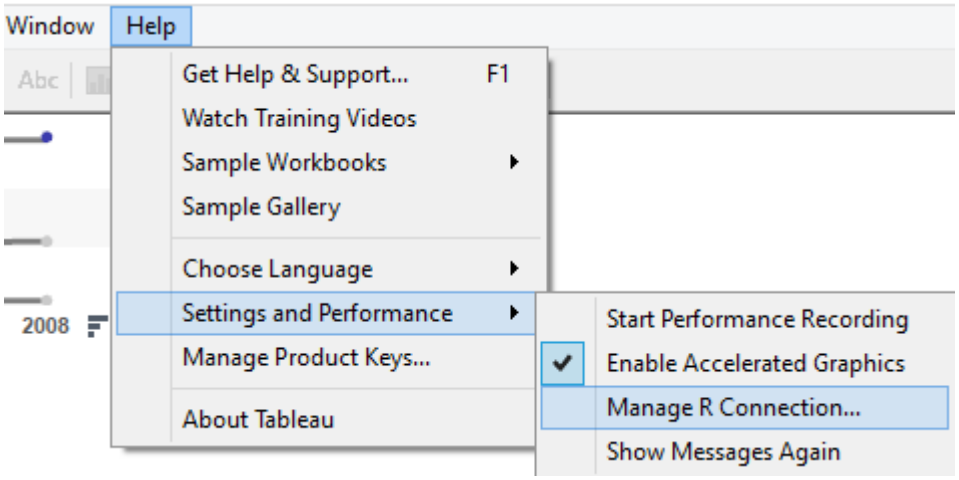

Add Table
Table
Join
Join Clause:
[DimProductCategory#csv].[ProductCategoryKey] = [DimProductSubcategory#csv].[ProductCategoryK
Delete
Join Type:
Inner
Add Join Clause
DimProductCategory#csv
DimProductSubcategory#csv
Enter Text to Search
ProductCategoryKey
EnglishProductCategoryName
FrenchProductCategoryName
ProductCategoryAlternateKey
SpanishProductCategoryName
=
Add
Enter Text to Search
ProductSubcategoryKey
ProductSubcategoryAlternateKey
ProductCategoryKey
EnglishProductSubcategoryName
OK
Cancel

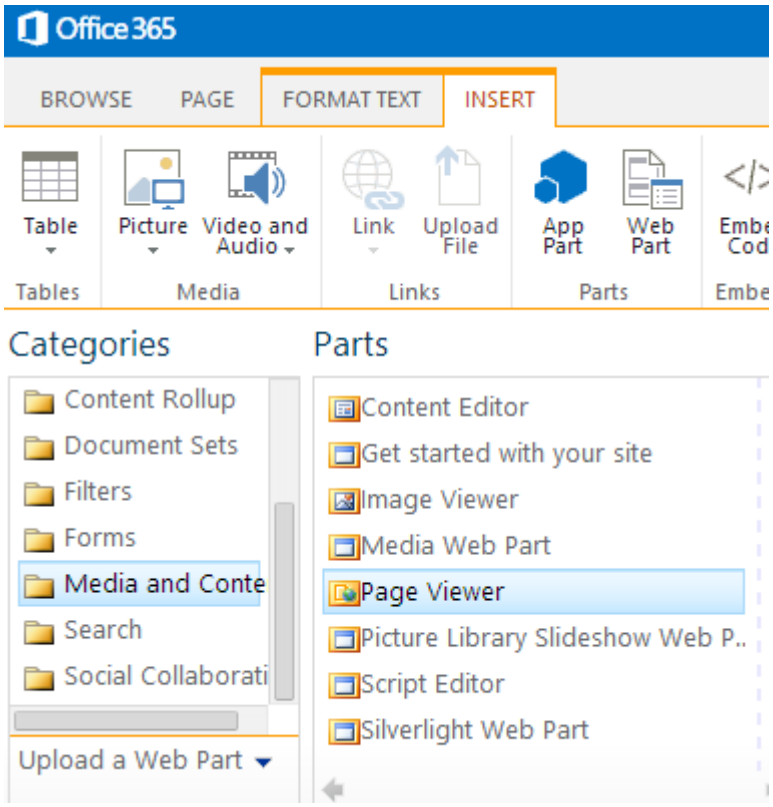

Relationships
Relationships determine how data from secondary data sources are joined with primary data sources.
Primary data source:
FactInternetSales
Secondary data source:
Automatic
Custom
DimDate
DimProduct
ProductKey
ProductKey
Add...
Edit...
Remove
OK
Cancel


Add Table
Table
Join
Select the table to add:
DimOrganization#csv
DimProduct#csv
DimProductCategory#csv
DimProductSubcategory#csv
DimPromotion#csv
DimReseller#csv
Table Alias:
DimProductSubcategory#csv
Table Fields:
Field Alias
Field Name
EnglishProductSubcategoryName
EnglishProductSubcategoryName
DimProductSubcategory#csv_ProductCategoryKey
ProductCategoryKey
ProductSubcategoryAlternateKey
ProductSubcategoryAlternateKey
ProductSubcategoryKey
ProductSubcategoryKey
Select All
Unselect All
Reset Field Names
OK
Cancel

Chapter 8


Rserve Connection
Specify a server name and a port
Server: localhost
Port: 6311
Sign in with a username and password
Username:
Password:
Test Connection
OK
Cancel


Window
Help
Abc
2008
Get Help & Support... F1
Watch Training Videos
Sample Workbooks
Sample Gallery
Choose Language
Settings and Performance
Manage Product Keys...
About Tableau
Start Performance Recording
Enable Accelerated Graphics
Manage R Connection...
Show Messages Again

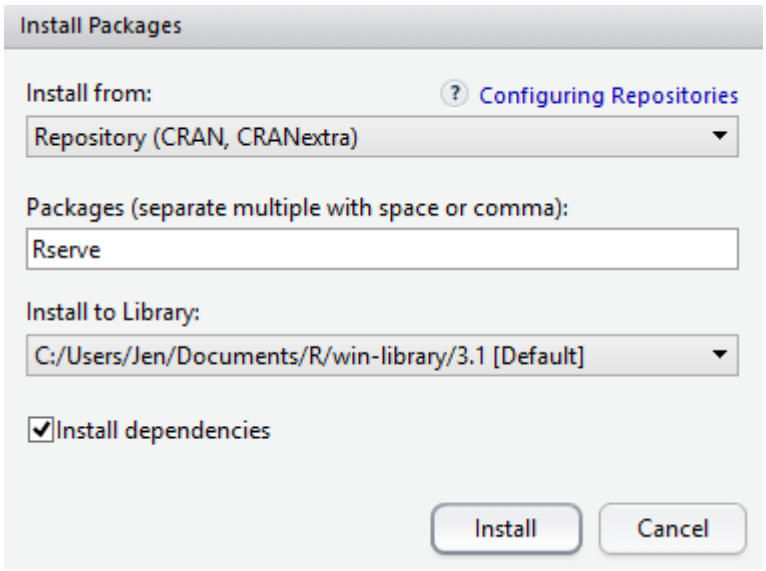


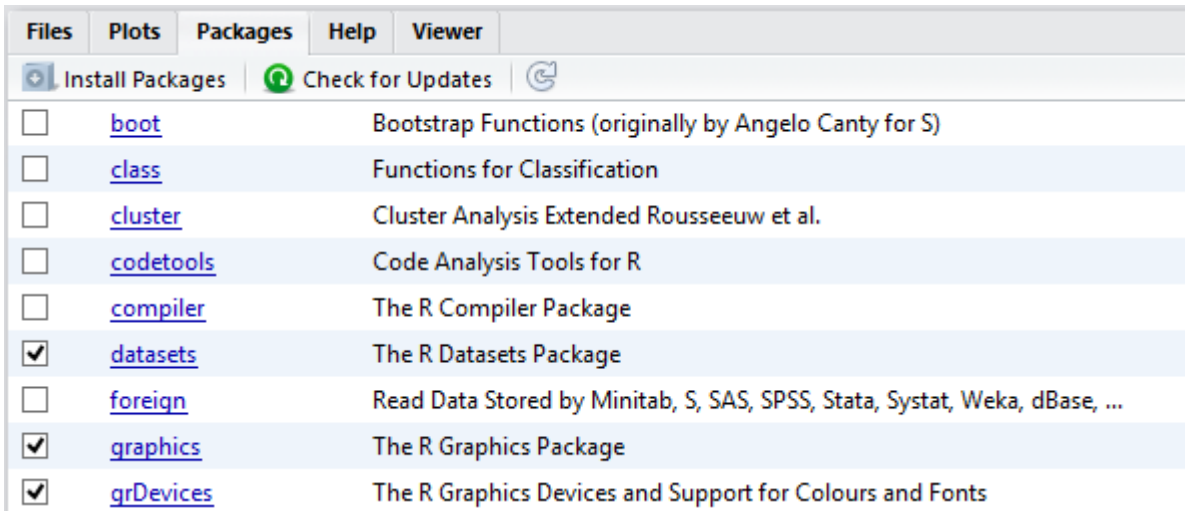
Files | Plots | Packages | Help | Viewer

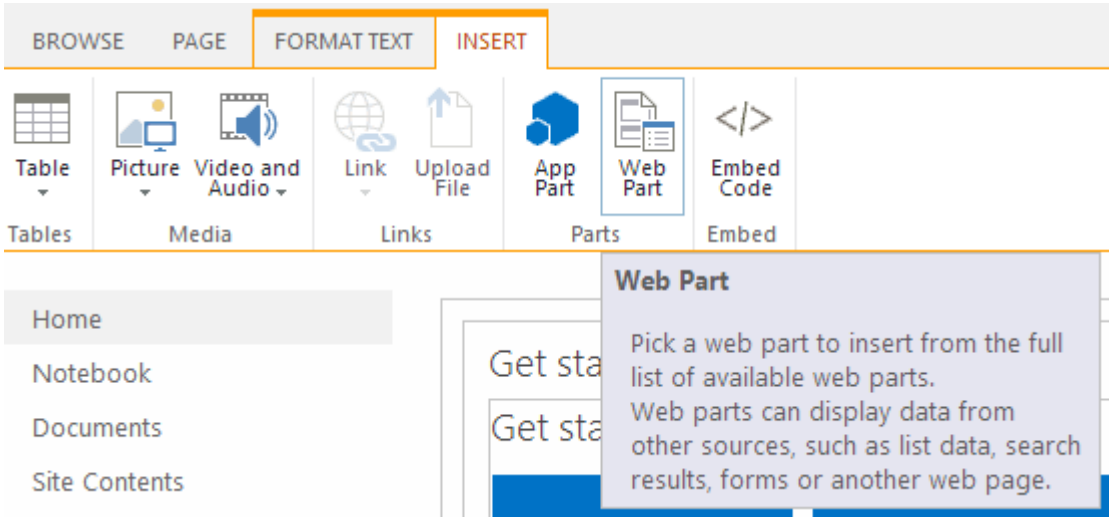
Install Packages | Check for Updates

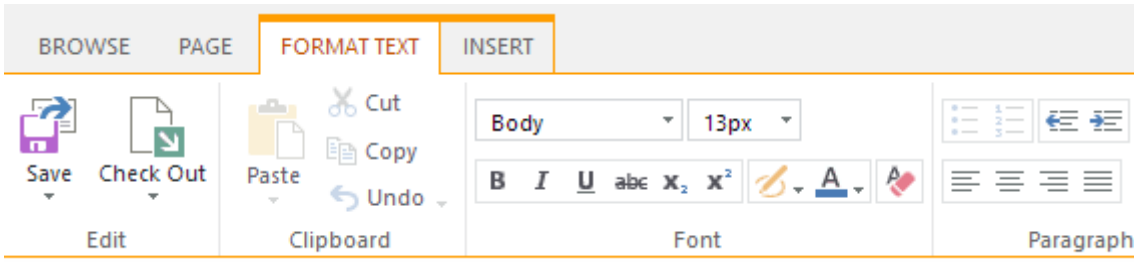
☑	datasets	The R Datasets Package
☐	foreign	Read Data Stored by Minitab, S, SAS, SPSS, Stata, Systat, Weka, dBase, ...
☑	graphics	The R Graphics Package
☑	grDevices	The R Graphics Devices and Support for Colours and Fonts
☐	grid	The Grid Graphics Package
☐	KernSmooth	Functions for kernel smoothing for Wand & Jones (1995)
☐	lattice	Lattice Graphics
☐	manipulate	Interactive Plots for RStudio
☐	MASS	Support Functions and Datasets for Venables and Ripley's MASS
☐	Matrix	Sparse and Dense Matrix Classes and Methods
☑	methods	Formal Methods and Classes
☐	mgcv	Mixed GAM Computation Vehicle with GCV/AIC/REML smoothness estimation
☐	nlme	Linear and Nonlinear Mixed Effects Models
☐	nnet	Feed-forward Neural Networks and Multinomial Log-Linear Models
☐	parallel	Support for Parallel computation in R
☐	rpart	Recursive Partitioning and Regression Trees
☑	Rserve	Binary R server
☑	rstudio	Tools and Utilities for RStudio

```
> install.packages("Rserve")
Installing package into 'C:/Users/Jen/Documents/R/win-library/3.1'
(as 'lib' is unspecified)
trying URL 'http://cran.rstudio.com/bin/windows/contrib/3.1/Rserve_1.7-3.zip'
Content type 'application/zip' length 713148 bytes (696 Kb)
opened URL
downloaded 696 Kb

package 'Rserve' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
 C:\Users\Jen\AppData\Local\Temp\RtmpgdQJEa\downloaded_packages
```









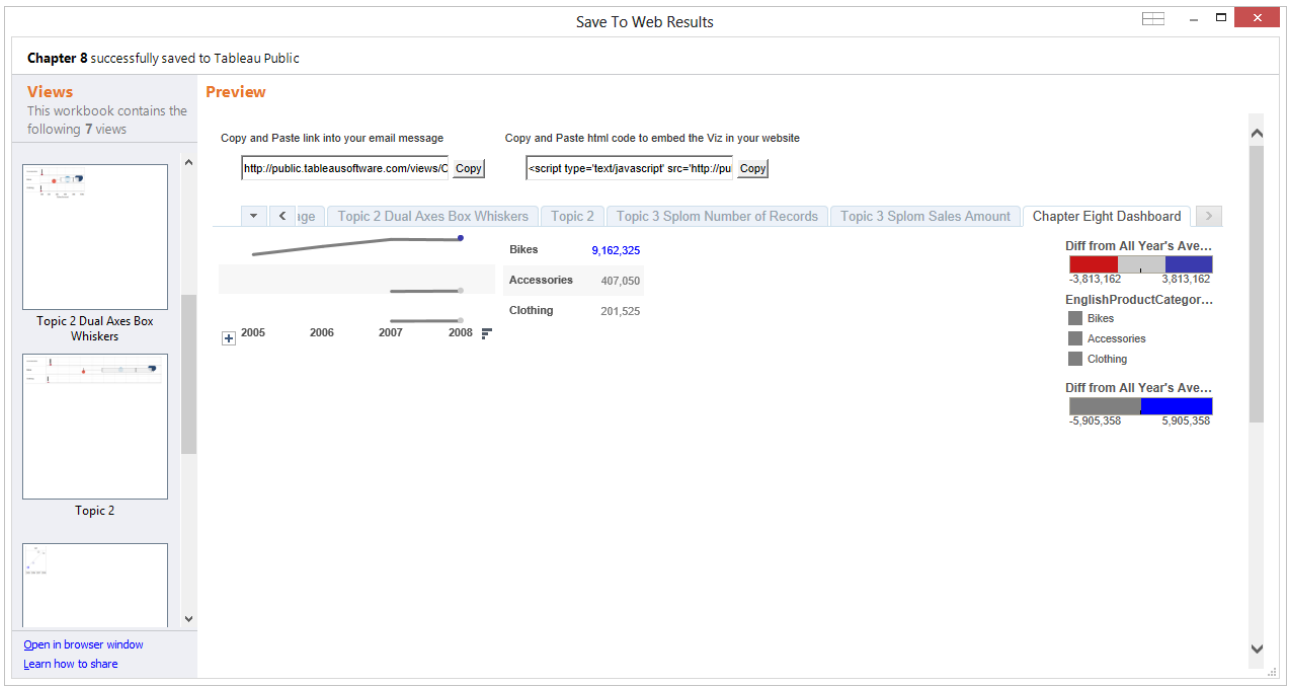
Preview

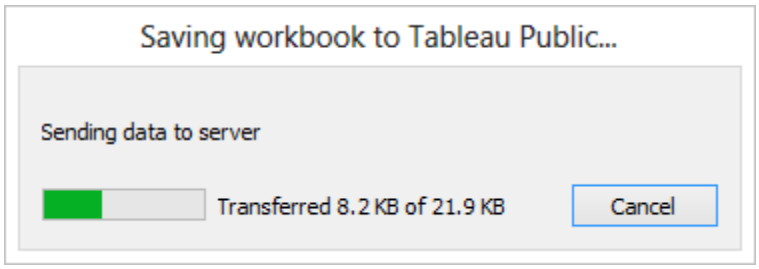
Copy and Paste link into your email message

http://public.tableausoftware.com/views/C Copy

Copy and Paste html code to embed the Viz in your website

<script type='text/javascript' src='http://pu Copy




Saving workbook to Tableau Public...
Sending data to server
Transferred 8.2 KB of 21.9 KB
Cancel

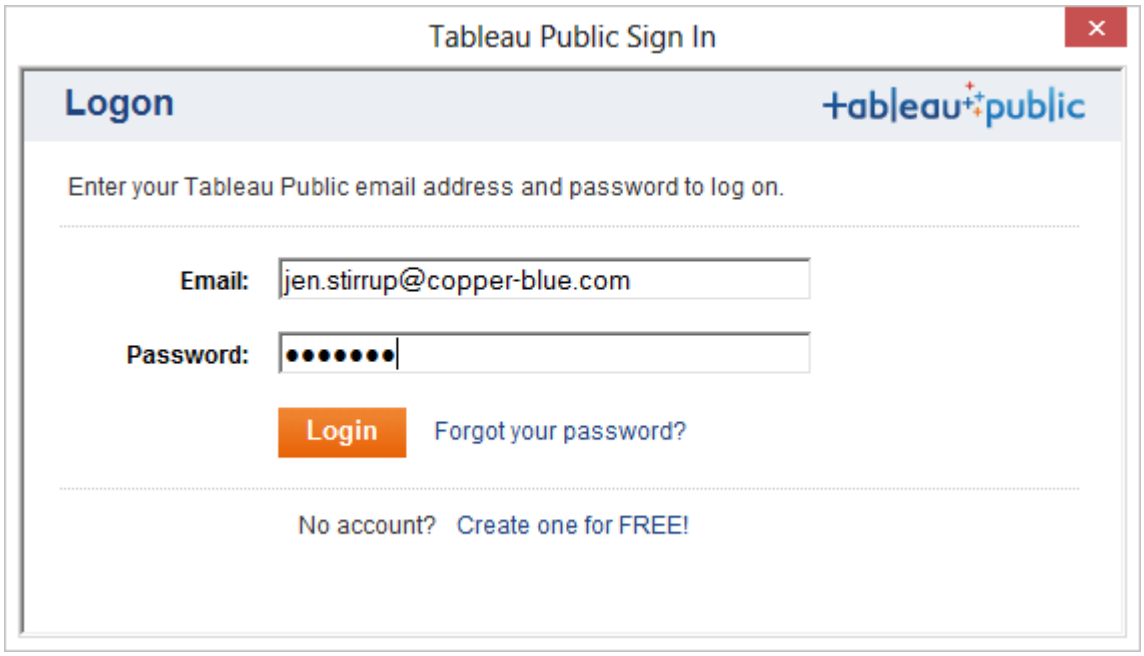


Tableau Public Sign In
Logon
tableau public
Enter your Tableau Public email address and password to log on.
Email:
jen.stirrup@copper-blue.com
Password:
Login
Forgot your password?
No account?
Create one for FREE!

Create an Account

tableau public

Required information for your Tableau Public account.

Valid email address: jen.stirrup@copper-blue.com

Choose a display name: Jen Stirrup

Choose a password: •••••••

Confirm your password: •••••••

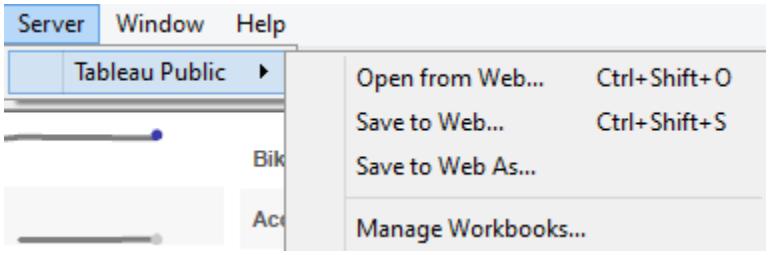
Word verification: Type the characters you see in the picture below. Letters are not case-sensitive

Enter the words above: 63659684

Get another CAPTCHA
Get an audio CAPTCHA
Help

Terms of Service: ☑ I accept the Terms of Service

Create My Account



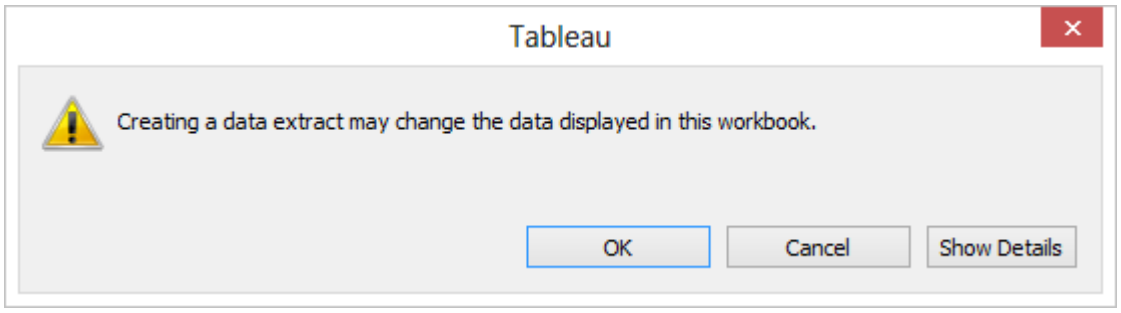
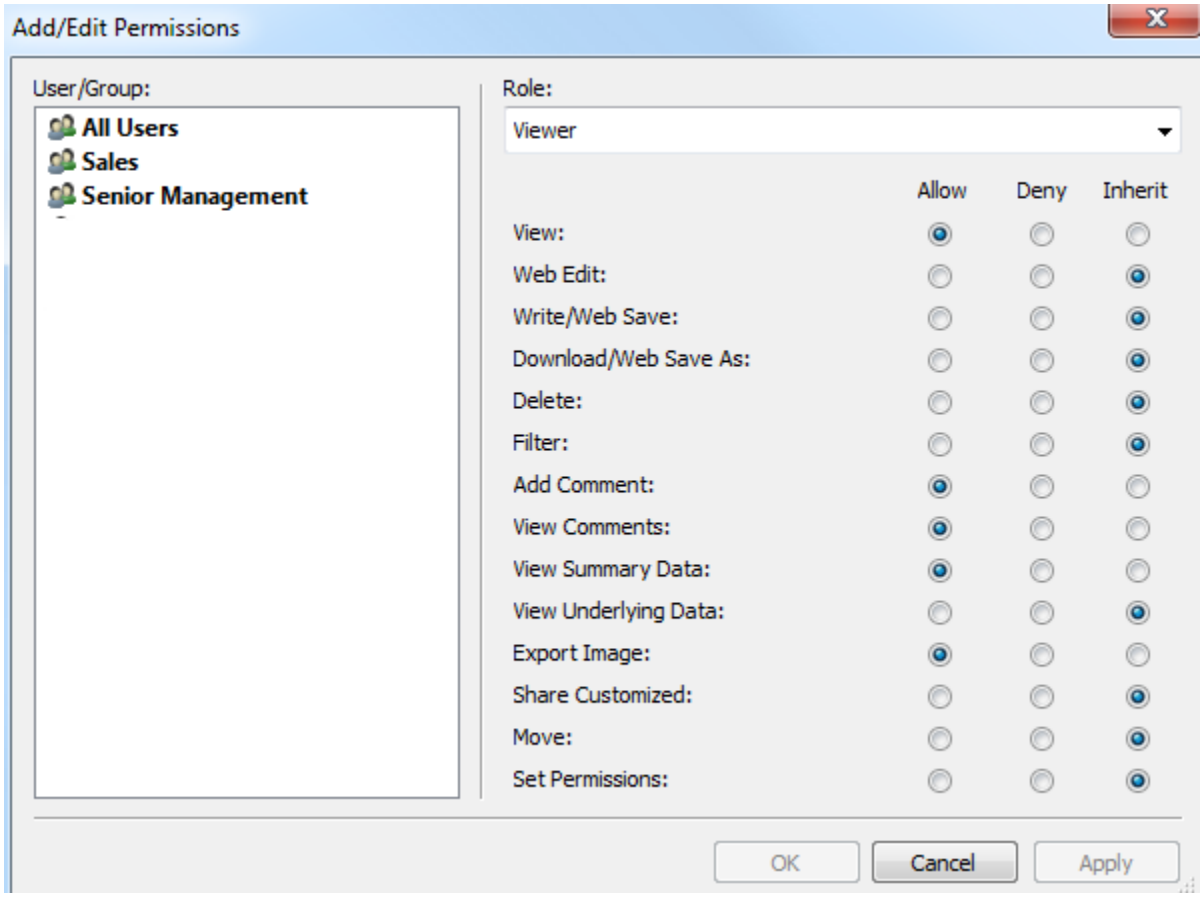


Tableau
Creating a data extract may change the data displayed in this workbook.
OK
Cancel
Show Details


Add/Edit Permissions
User/Group:
All Users
Sales
Senior Management
Role:
Viewer
Allow
Deny
Inherit
View:
Web Edit:
Write/Web Save:
Download/Web Save As:
Delete:
Filter:
Add Comment:
View Comments:
View Summary Data:
View Underlying Data:
Export Image:
Share Customized:
Move:
Set Permissions:
OK
Cancel
Apply

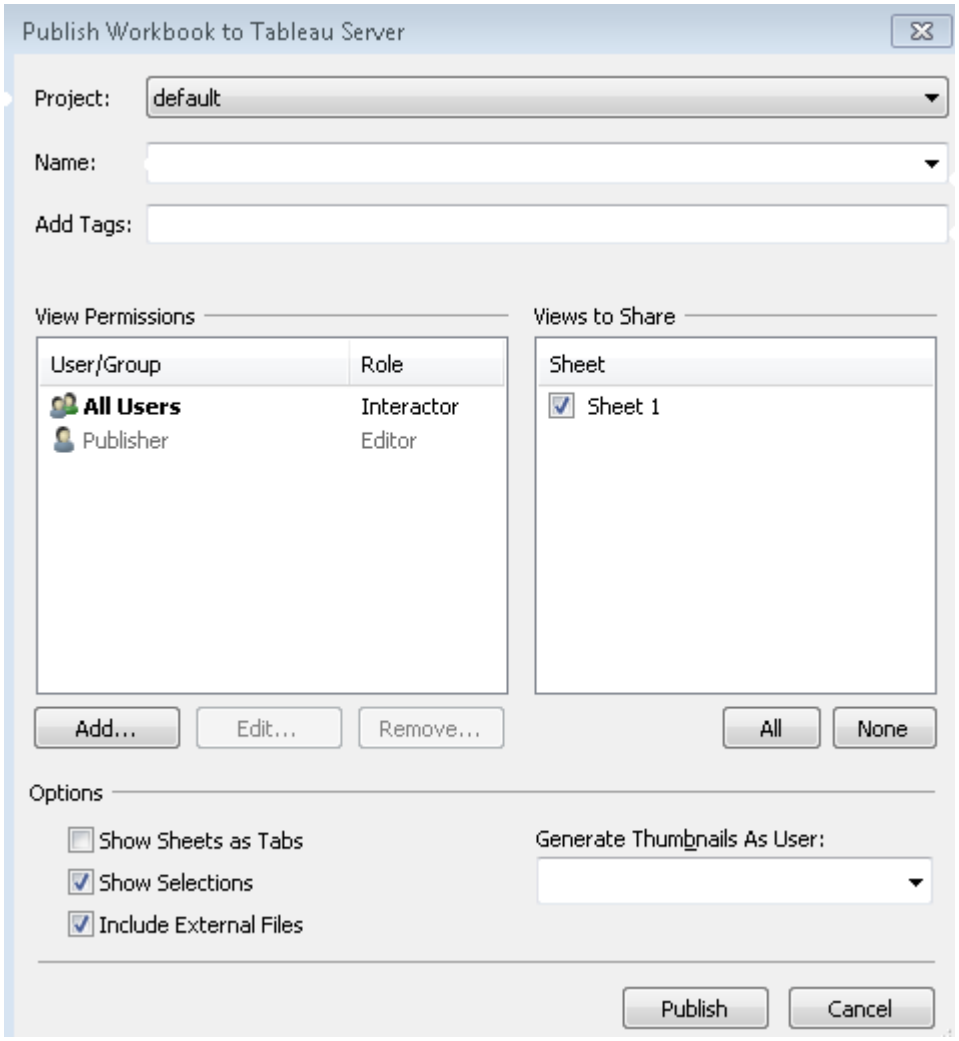
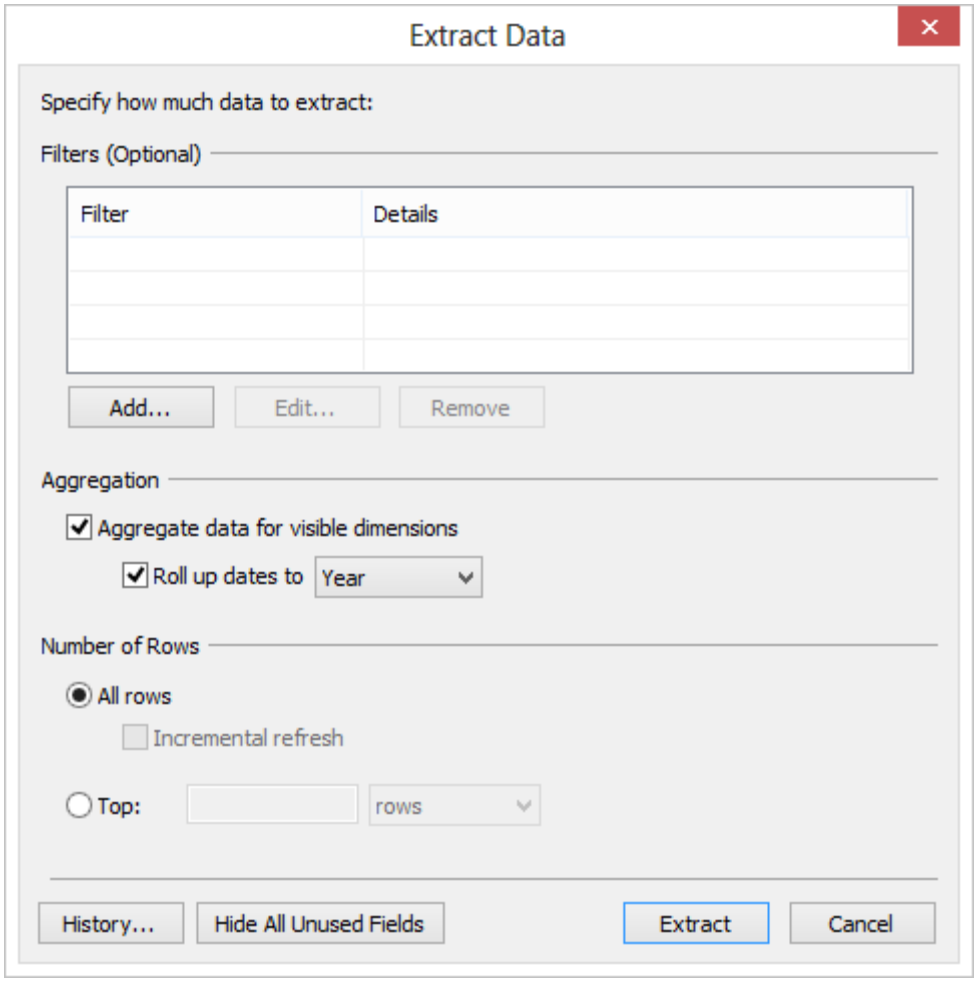
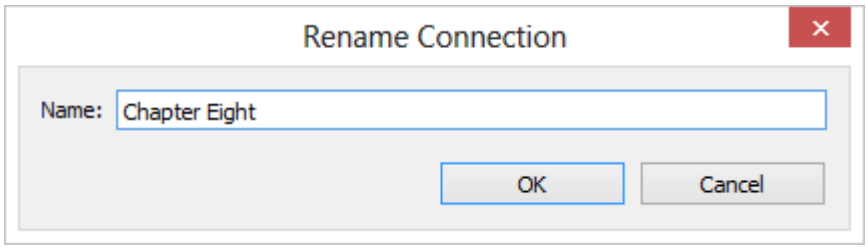
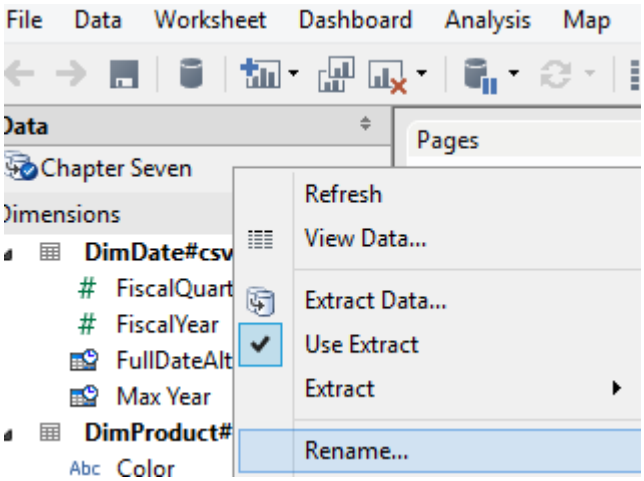
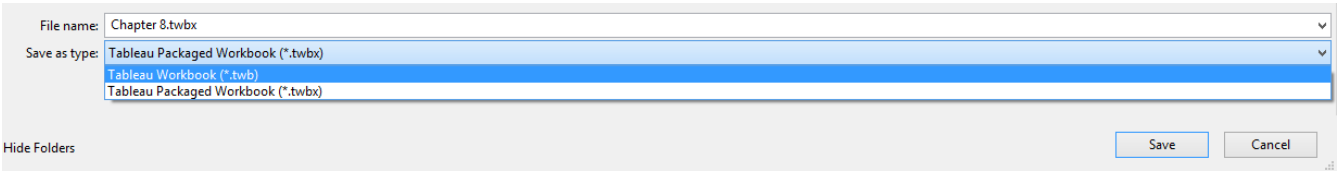

Publish Workbook to Tableau Server
Project:
default
Name:
Add Tags:
View Permissions
User/Group
Role
All Users
Interactor
Publisher
Editor
Views to Share
Sheet
Sheet 1
Add...
Edit...
Remove...
All
None
Options
Show Sheets as Tabs
Show Selections
Include External Files
Generate Thumbnails As User:
Publish
Cancel

Tableau Server Login
Server:
yourserver
User Name:
username
Password:
Learn about Tableau Server
OK
Cancel


Extract Data
Specify how much data to extract:
Filters (Optional)
Filter
Details
Add...
Edit...
Remove
Aggregation
Aggregate data for visible dimensions
Roll up dates to
Year
Number of Rows
All rows
Incremental refresh
Top:
rows
History...
Hide All Unused Fields
Extract
Cancel


Rename Connection
Name:
Chapter Eight
OK
Cancel


File
Data
Worksheet
Dashboard
Analysis
Map
Pages
Chapter Seven
Refresh
View Data...
Extract Data...
Use Extract
Extract
Rename...
DimDate#csv
FiscalYear
Max Year
DimProduct#
Color


File name:
Chapter 8.twbx
Save as type:
Tableau Packaged Workbook (*.twbx)
Tableau Workbook (*.twb)
Tableau Packaged Workbook (*.twbx)
Hide Folders
Save
Cancel