

# Chapter 01: Getting Started with the Data

Create new connection (ODBC)

User DSN  System DSN

32-bit  64-bit

**HongKong Buses**

Username  Password

Name

---

**Create new connection (OLE DB)**

Provider  
Microsoft Jet 4.0 OLE DB Provider(32-bit) ▼

Data source (file path or server name)  
C:\Users\snehah\Desktop\Qlik\_Sense\_Cookbook\chapter 1\QlikSense

Windows integrated security  
 Specific user name and password

Username

Password

Database  
  ▼

Name  
QlikSense CookBook OLE DB

**Create new connection (folder)**

Path

C > Users > snehah > Desktop >  
Qlik\_Sense\_Cook... > chapter 1 > QlikSenseData >

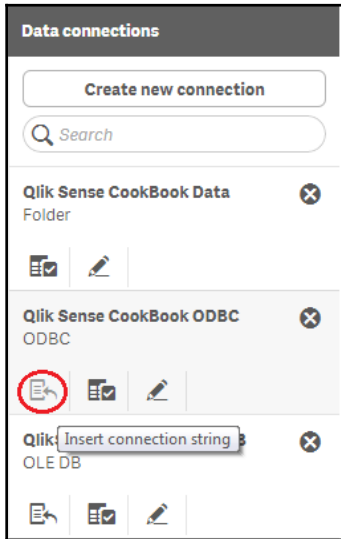
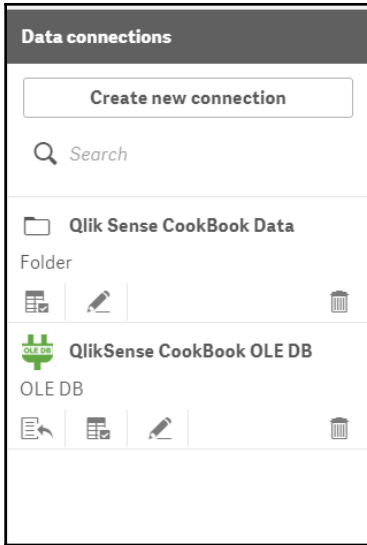
←

- COMPANY\_CODE.mdb
- publictransport.zip
- ROUTE\_BUS.csv
- ROUTE\_BUS.idb
- ROUTE\_BUS.mdb
- ROUTE\_BUS.mdb.dsn
- ROUTE\_FERRY.csv

Name

Qlik Sense CookBook Data

Cancel Create



**Data connections**

Create new connection

Search

Qlik Sense CookBook Data Folder

Qlik Sense CookBook ODBC ODBC

QlikSense OLE DB

Select data

**Select data to load** Preview script

Database:

Owner:

Tables:

Selections summary: 1 table, 17 columns

Fields:

ROUTE 17

MSysACEs

MSysObjects

MSysQueries

MSysRelationships

<input checked="" type="checkbox"/>	COMPANY_CO...	<input checked="" type="checkbox"/>	DISTR...	<input checked="" type="checkbox"/>	FULL_FA...	<input checked="" type="checkbox"/>	LAST_UPDATE_DA...	<input checked="" type="checkbox"/>	LOC_END_NAM...	<input checked="" type="checkbox"/>	LOC_END_N...
	1001		KMB				1		1		1
	1002		KMB				10		10		10
	1006		KMB+CTB				102P		102P		102P
	1008		KMB+CTB				103		103		103
	1009		KMB+CTB				103P		103P		103P

```

LOAD `COMPANY_CODE`,
    DISTRICT,
    `FULL_PARE`,
    `LAST_UPDATE_DATE`,
    `LOC_END_NAMEC`,
    `LOC_END_NAMEE`,
    `LOC_END_NMES`

```

Include LOAD statement

Cancel

Select data from ROUTE\_GMB.csv Preview script

File format: **Delimited** | Field names: **Embedded field names** | Delimiter: **Comma** | Quoting: **MSQ** | Comment:

Header size:    | Character set: **Western European** | Ignore End-Of-File character?

**Fields**  
 Select all fields Filter fields

<input checked="" type="checkbox"/> Route_id	<input checked="" type="checkbox"/> CHANGE
2729	ADD
2731	ADD
2732	ADD
2733	ADD
2734	ADD

```

LOAD
  Route_id,
  CHANGE
FROM [lib://qlikSenseData/ROUTE_GMB.csv]
(txt, codepage is 1252, embedded labels, delimiter is ',', msg);

```

**Select web file**

URL

Name

Select data from <http://www.csgnetwork.com/linfotable.html> Hide script

Tables  @1  @2 4  @3  @4  @5  @6  @7  @8  @9  @10

File format: HTML | Field names: Embedded field names | Character set: 28591 (ISO 8859-1 La...)

Fields

<input checked="" type="checkbox"/> Country	<input checked="" type="checkbox"/> Capital	<input checked="" type="checkbox"/> Latitude	<input checked="" type="checkbox"/> Longitude
Afghanistan	Kabul	34°28'N	69°11'E
Albania	Tirane	41°18'N	19°49'E
Algeria	Algiers	36°42'N	03°08'E
American Samoa	Pago Pago	14°16'S	170°43'W
Andorra	Andorra la Vella	42°31'N	01°32'E
Angola	Luanda	08°50'S	13°15'E

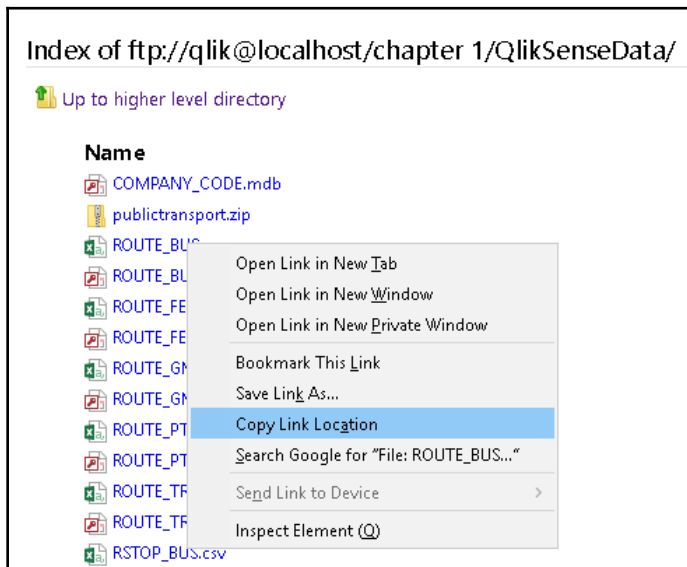
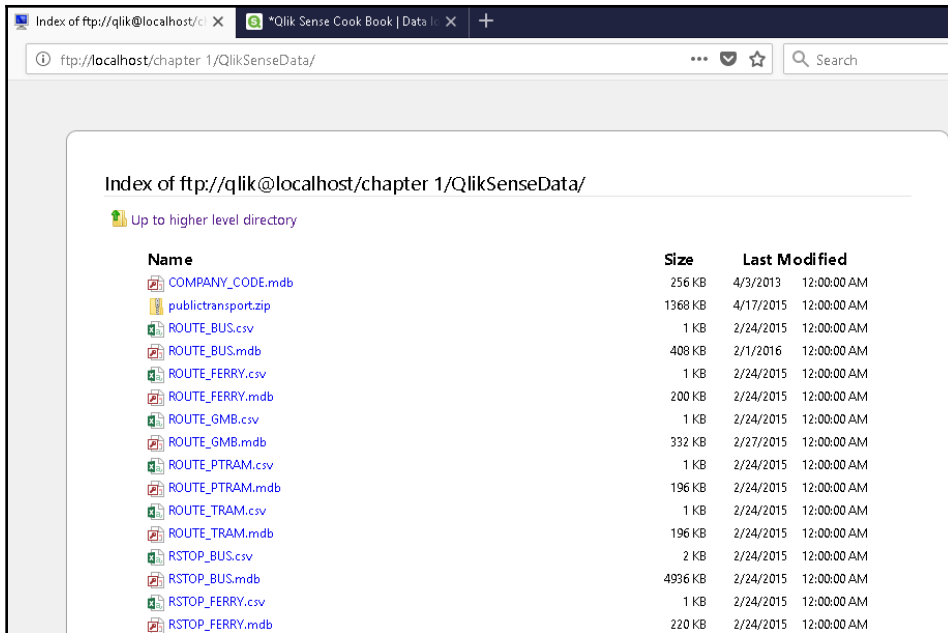
```
LOAD
Country,
Capital,
Latitude,
Longitude
FROM [lib://Qlik Sense Cookbook Webfile]
```

Cancel Insert script

Index of ftp://qlik@localhost/

Up to higher level directory

Name	Size	Last Modified
chapter 1		3/8/2018 10:54:00 PM
chapter 2		3/8/2018 10:54:00 PM
chapter 3		3/8/2018 10:54:00 PM
chapter 4		3/8/2018 10:54:00 PM
chapter 5		3/8/2018 10:54:00 PM
chapter 6		3/8/2018 10:54:00 PM
chapter 7		3/8/2018 10:54:00 PM
chapter 8		3/8/2018 10:54:00 PM
Data model viewer.qvf	14336 KB	2/11/2016 12:00:00 AM
Read Me.txt	1 KB	2/10/2016 12:00:00 AM
ROUTE_BUS.mdb	408 KB	2/1/2016 12:00:00 AM
Software and Hardware List.pdf	50 KB	11/30/2015 12:00:00 AM





Select data from ftp://qlik:pwd@localhost/chapter%201/QlikSenseData/ROUTE\_BUS.csv Hide script

File format: **Delimited** | Field names: **Embedded field names** | Delimiter: **Comma** | Quoting: **MSQ** | Comment:

Header size:    | Character set: **28592 (ISO 8859-2 Ce...)** | Ignore End-Of-File character?:

**Fields**

Select all fields Filter fields

Route_id	CHANGE
8232	ADD
8233	ADD
8234	ADD
8224	ADD
8225	ADD
8226	ADD

```

LOAD
  Route_id,
  CHANGE
FROM [lib://QlikSense Cookbook FTP ROUTE_BUS]
(txt, codepage is 28592, embedded labels, delimiter is ',', msq);

```

### Create new connection (REST)

**Request**

URL:

Timeout:

Method: **GET**

**Data options**

Auto detect response type

Check response type during 'Test connection'

Key generation strategy: **Sequence ID**

**Authentication**

Authentication Schema: **Anonymous**

Name:

**Select data to load**

Response type: **JSON** | Auto detect | Preload symbols count: **50K**

**Tables** | Filter tables

- root
  - page
  - sort
  - movies**

**Fields** | Data preview | Metadata | Filter fields

<input checked="" type="checkbox"/>	uid_u0	<input checked="" type="checkbox"/>	title	<input checked="" type="checkbox"/>	titleBulgarian	<input checked="" type="checkbox"/>	titleCatalan
	MOMA0000002047		Star Trek III: The Search for Spock		Стар Трек III: В търсене на Спок		Star Trek III: A la r
	MOMA0000002393		Star Trek		Стар Трек		Star Trek XI
	MOMA0000002044		Star Trek VI: The Undiscovered Country		Стар Трек VI: Неоткритата страна		Star Trek VI: Aque
	MOMA0000002046		Star Trek IV: The Voyage Home		Стар Трек IV: Пътуване към вкъщи		Star Trek IV: Miss
	MOMA0000173722		Star Trek II: The Wrath of Khan		Стар Трек II: Гневът на Хан		Star Trek II: La cò
	MOMA0000174540		Star Trek Beyond		Стар Трек: Отвъд		

```

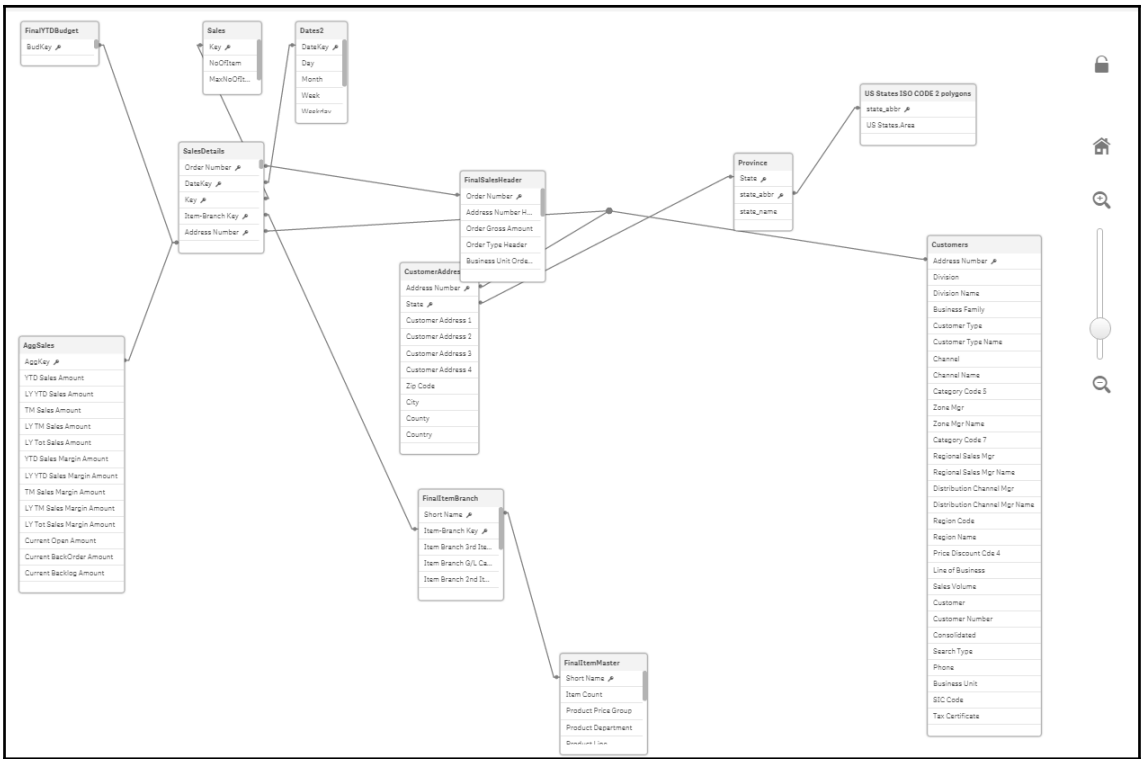
RestConnectorMasterTable:
SQL SELECT
  "__KEY_root",
  (SELECT
    "uid" AS "uid_u0",
    "title",
    "titleBulgarian",
    "titleCatalan",
    "titleChineseTraditional",
    "titleGerman",
    "titleItalian",
    "titleJapanese",
    "titlePolish",
    "titleRussian",
  )
  
```

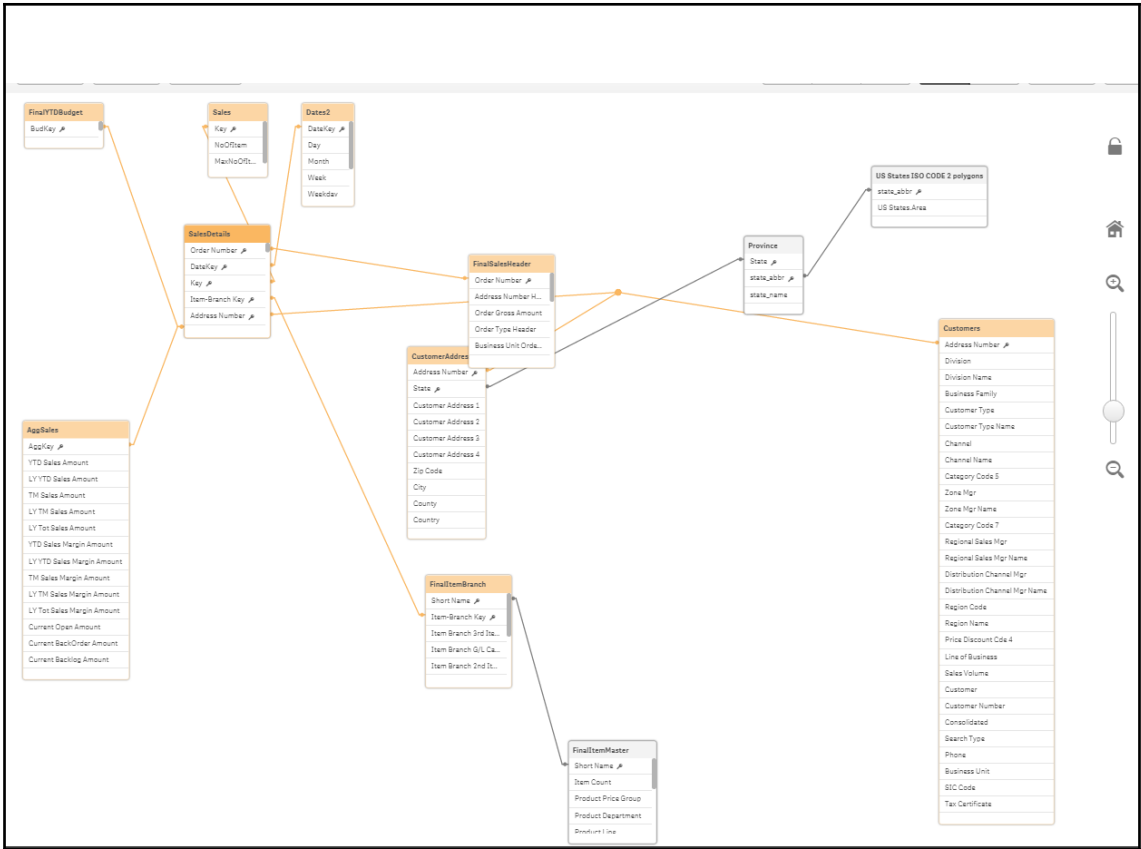
Buttons: Cancel | Insert script

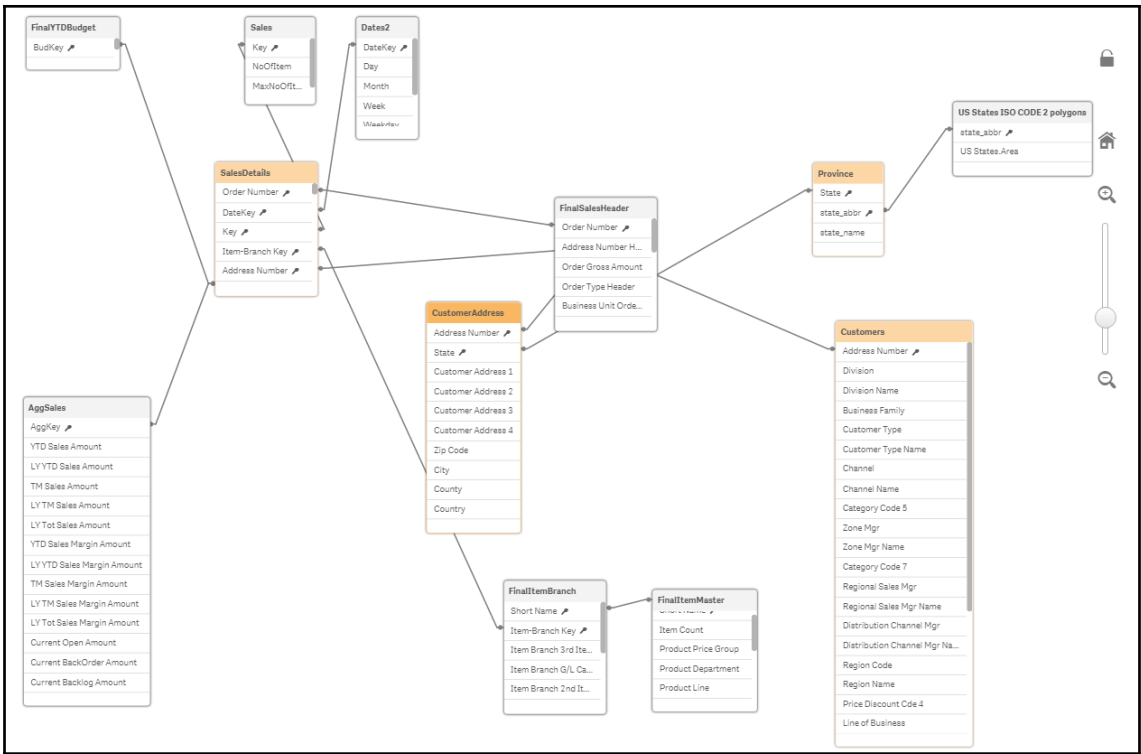
C:\Users\snehah\Documents\Qlik\Sense

Organize | Include in library | Share with | New folder

Name	Date modified	Type	Size
Apps	8/16/2018 10:24 A...	File folder	
AppsBackup	8/7/2018 11:31 AM	File folder	
Buffers	8/3/2018 12:57 PM	File folder	
Content	8/3/2018 11:13 AM	File folder	
Extensions	8/3/2018 11:13 AM	File folder	
Log	8/3/2018 12:57 PM	File folder	
QlikSenseBrowser.ini	8/16/2018 10:05 A...	Configuration setti...	1 KB
Settings.ini	8/7/2018 7:43 PM	Configuration setti...	1 KB

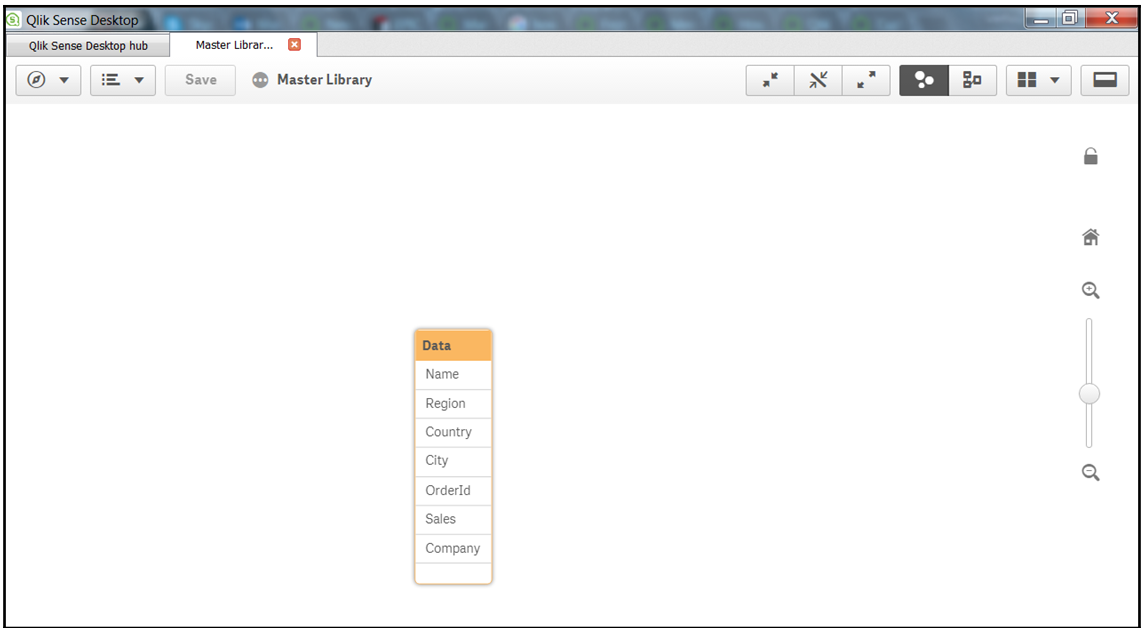






▼ Preview

CustomerAddress		Preview of data				
Rows	688	Address Number	State	Customer Address 1	Customer Address 2	Customer Address 3
Fields	10	10025919	CA	801 West Artesia Boulevard		
Keys	2	10025249	TN	7221 Highway 64		
Tags	\$key \$ascii \$text	10025249	TN	7221 Highway 64		
		10011732	-			
		10011732	-			
		10018644	KS	Attention Accounts Payable Department	PO Box 12990	
		10025242	-	Parts Division	140-2 Kye-Dong	Chongro-Ku



The screenshot shows the Qlik Sense Desktop application window. The title bar reads 'Qlik Sense Desktop'. The main interface has a top navigation bar with 'Qlik Sense Desktop hub' and 'Master Librar...' tabs. Below the tabs are icons for 'Save' and 'Master Library'. The central workspace is mostly empty, with a vertical list of fields titled 'Data' in the center. The fields are: Name, Region, Country, City, OrderId, Sales, and Company. Below the list is a 'Preview' section with a table of data.

Data		Preview of data						
Rows	31	Name	Region	Country	City	OrderId	Sales	Company
Fields	7	OrderDate						
Keys	0	Wooten	C	Mozambique	Carmen	1	45.55	Est Nunc
Tags	\$asciï \$text	Laoreet LLC	22/12/14					
		Blankenship	Delta	Cayman Islands	Sapele	2	95.76	
		Lorem Donec Inc.	17/01/15					
		Sheppard	Wyoming	Vatican City State	Cheyenne	3		
		38.31	Lobortis					07/08/14

▼ Preview

Region	
Density	100%
Subset ratio	100%
Has duplicates	true
Total distinct values	29
Present distinct values	29
Non-null values	31
Tags	

Create new dimensions

Single
  Drill-down

Filter by table

▼

- City
- Company
- Country
- Name
- OrderId
- Region
- Sales

Field:

✕ *fx*

Name:

Label expression

*fx*

Description:

*fx*

Dimension color

▼

Tags:

+

---

**Create new measure**

Expression:

SUM(Sales) *fx*

Q Search

**Fields**

Master items

Charts

Custom objects

City

Company

Country

Name

OrderId

Region

Sales



### Create new dimensions

Single  Drill-down

Filter by table

All tables ▾

Q Search

- City
- Company
- Country
- Name
- OrderId
- Region
- Sales

Field: Country ✕ *fx*

Name: Country

Label expression *fx*

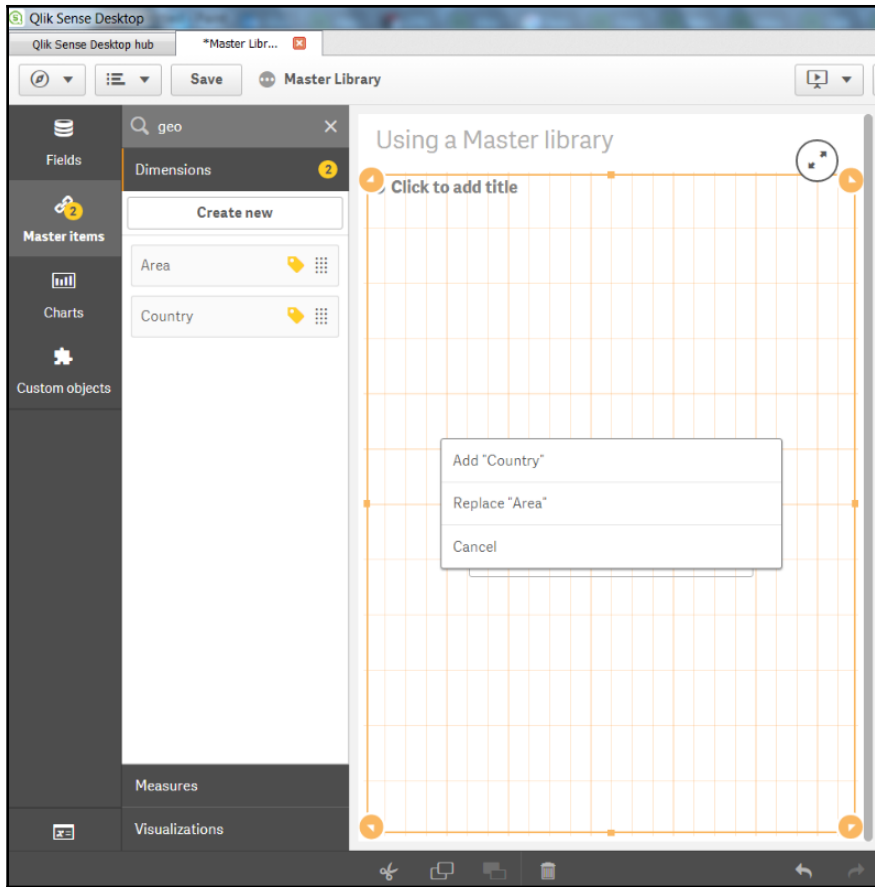
Description: *fx*

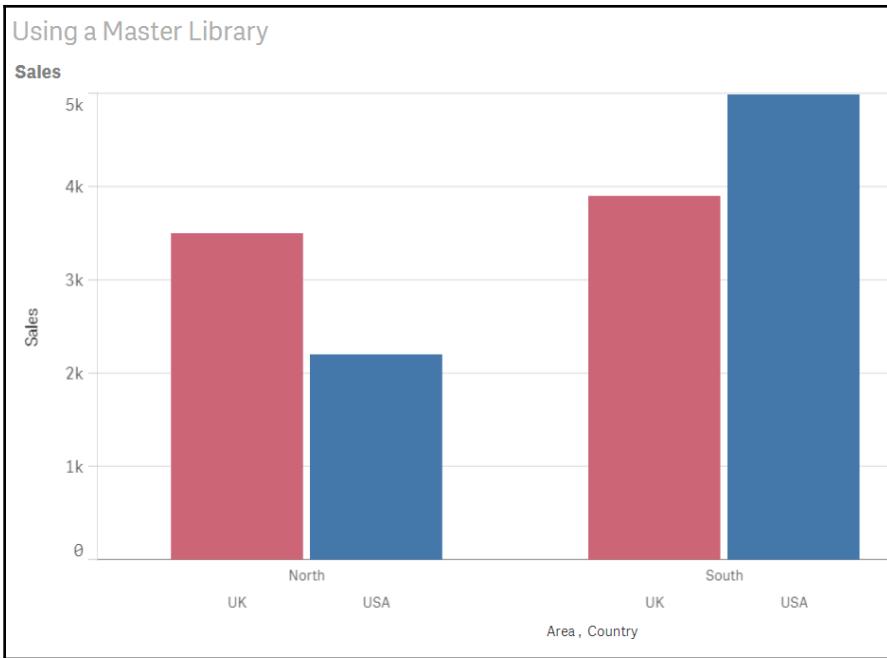
Dimension color  ▾


Tags:  +

Add dimension

Done










**Qlik Sense Cookbook Visual Data Preparation**

*Data last loaded: No data loaded*

*File name: C:\Users\snehah\Documents\Qlik\Sense\Apps\Qlik Sense Cookbook Visual Data Preparation.qvf*



  


Get started adding data to your app.



**Add data from files and other sources**


Drag and drop files or click to browse files and connections

 **Script editor**  
 Load data and perform transformations using the data load editor


Add data to Qlik Sense Cookbook Visual Data Preparation
✕

**+** New


IN-APP

 Manual entry

FILE LOCATIONS

 My computer

DATA CONTENT

 Qlik DataMarket

Shared files

Path

C > QlikSenseCookB... >

- ↶
- chapter 1
- chapter 2
- chapter 3
- chapter 4
- chapter 5
- chapter 6
- chapter 7
- chapter 8
- Read Me.txt
- Sales Data 2017.xlsx
- Sales Data.xlsx

File type

All table files

⋮ Add data

Add data to Qlik Sense Cookbook Visual Data Preparation ✕

**+** New

IN-APP

Manual entry

FILE LOCATIONS

My computer

DATA CONTENT

Qlik DataMarket

← Sales Data.xlsx Tables Filters

**Tables** →

🔍 Filter tables

- Orders 14
- Customers 4
- Products 4
- Salesman 2

File format: **Excel (XLSX)**

Field names: **Embedded field nam**

Header size:

🔍 Filter fields

<input checked="" type="checkbox"/> Order ID	<input checked="" type="checkbox"/> Order D...	<input checked="" type="checkbox"/> Ship D...	<input checked="" type="checkbox"/> Ship M...	<input checked="" type="checkbox"/>
CA-2014-103800	1/3/2014	1/7/2014	Standard Class	DP-13
CA-2014-112326	1/4/2014	1/8/2014	Standard Class	PO-19
CA-2014-112326	1/4/2014	1/8/2014	Standard Class	PO-19
CA-2014-112326	1/4/2014	1/8/2014	Standard Class	PO-19
CA-2014-141817	1/5/2014	1/12/2014	Standard Class	MB-18
CA-2014-130813	1/6/2014	1/8/2014	Second Class	LS-17
CA-2014-106054	1/6/2014	1/7/2014	First Class	JO-15
CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17
CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17
CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17
CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17
CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17
CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17
CA-2014-167199	1/6/2014	1/10/2014	Standard Class	ME-17
CA-2014-105417	1/7/2014	1/12/2014	Standard Class	VS-21
CA-2014-105417	1/7/2014	1/12/2014	Standard Class	VS-21
CA-2014-135405	1/9/2014	1/13/2014	Standard Class	MS-17

**...** Add data

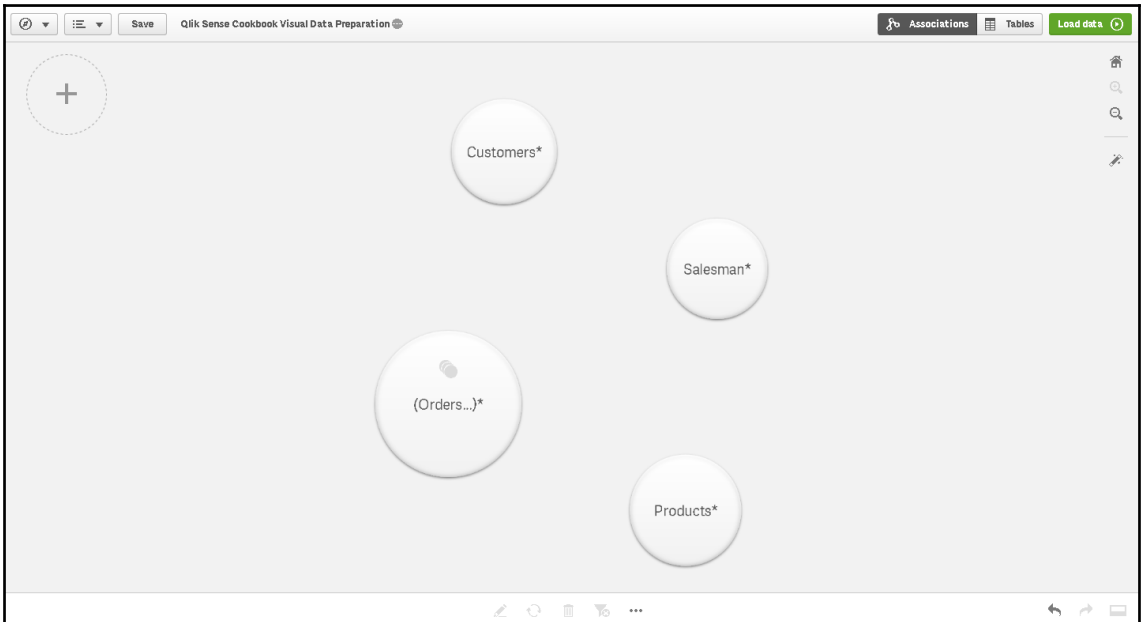
[ 21 ]

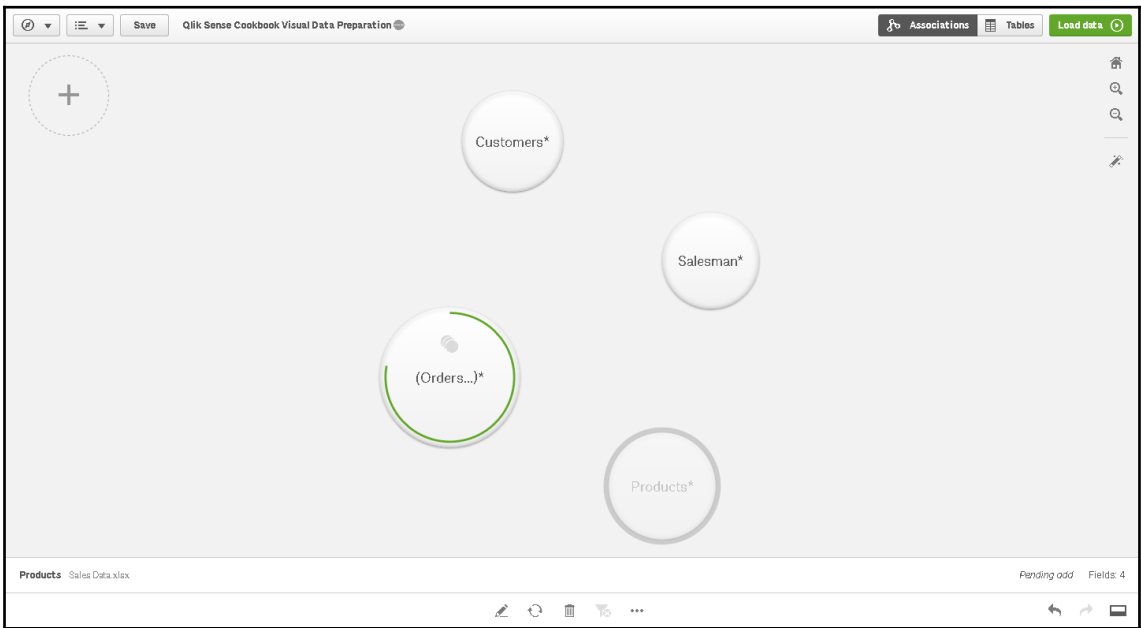
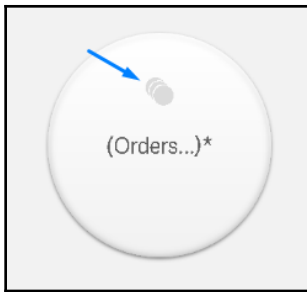
07/01/2014	First Class	JO-15145	Athens	Georgia	30605
10/01/2014	Standard Class	ME-17320	Henderson	Kentucky	42420
10/01/2014	Standard Class	ME-17320	Henderson	Kentucky	42420
10/01/2014	Standard Class	ME-17320	Henderson	Kentucky	42420
10/01/2014	Standard Class	ME-17320	Henderson	Kentucky	42420
10/01/2014	Standard Class	ME-17320	Henderson	Kentucky	42420
10/01/2014	Standard Class	ME-17320	Henderson	Kentucky	42420
10/01/2014	Standard Class	ME-17320	Henderson	Kentucky	42420
12/01/2014	Standard Class	VS-21820	Huntsville	Texas	77340
12/01/2014	Standard Class	VS-21820	Huntsville	Texas	77340
13/01/2014	Standard Class	MS-17830	Laredo	Texas	78041
13/01/2014	Standard Class	MS-17830	Laredo		
15/01/2014	Standard Class	AJ-10780	Springfield	V	
15/01/2014	Standard Class	AJ-10780	Springfield	V	

Data profiling  
**Enabled**

Prepare the data in the data manager.

... Add data





Qlik Sense Cookbook Visual Data Preparation

Associations Tables Load data

Products

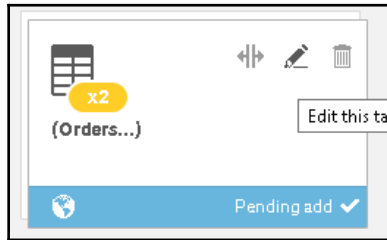
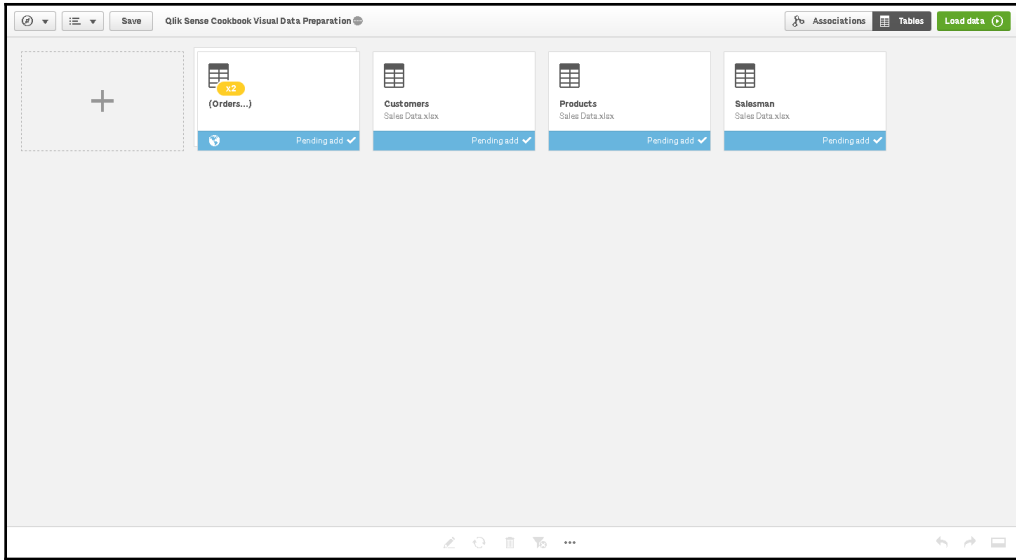
Products.Product ID	Category	Sub-Category	Product Name	ID	City	State	Postal Code	Orders.Region	Orders.Product ID	Sales	Quantity
FUR-BO-10000112	Furniture	Bookcases	Bush Birmingham Collection Bookcase, Dark Cherry		Houston	Texas	77095	Central	OFF-PA-10000174	16,448	2
FUR-BO-10000330	Furniture	Bookcases	Sauder Camden County Barrister Bookcase, Planked Cherry Fin		Naperville	Illinois	60540	Central	OFF-LA-10003223	11,784	3
FUR-BO-10000302	Furniture	Bookcases	Sauder Inglewood Library Bookcases		Naperville	Illinois	60540	Central	OFF-ST-10002743	272,736	3
FUR-BO-10000408	Furniture	Bookcases	O'Sullivan 2-Shelf Heavy-Duty Bookcases		Naperville	Illinois	60540	Central	OFF-BI-10004094	3,54	2

Qlik Sense Cookbook Visual Data Preparation

Associations Tables Load data

Customers Sales Data.xlsx Pending add Fields: 4





(Orders...) 14 Columns 9994 Rows

Unpivot Add field ... Select data from source X

Order ID	Order Date	Ship Date	Ship Mode	Orders.Cust ...	City	State	Postal Code	Orders.Region	Orders.Product ID	Sales	Quantity
CA-2014-100006	07/09/2014	13/09/2014	Standard Class	DK-13375	New York City	New York	10024	East	TEC-PH-10002075	377,97	3
CA-2014-100090	09/07/2014	12/07/2014	Standard Class	EB-13705	San Francisco	California	94122	West	FUR-TA-10003715	502,488	3
CA-2014-100090	09/07/2014	12/07/2014	Standard Class	EB-13705	San Francisco	California	94122	West	OFF-BI-10001597	196,704	6
CA-2014-100293	14/03/2014	18/03/2014	Standard Class	NF-18475	Jacksonville	Florida	32216	South	OFF-PA-10000176	91,056	6
CA-2014-100328	28/03/2014	03/02/2014	Standard Class	JC-15340	New York City	New York	10024	East	OFF-BI-10000343	3,928	1
CA-2014-100363	08/04/2014	15/04/2014	Standard Class	JM-15055	Glendale	Arizona	85301	West	OFF-FA-10000611	2,368	2

### Ship Mode Summary (Dimension)

Distinct values: 8 Total values: 9994

Preview of distinct value distribution

Count of Ship Mode

Ship Mode	Count
Standard Class	6,836
Second Class	1,944
First Class	866
1st Class	572
Same Day	543
2nd Class	38
Other	6
...	1

Null values: 25%

Null values: 3312 / 13306

### Replace

Select the values to be replaced

Distinct values

- F Search
- Standard Class
- Second Class
- First Class
- Same Day
- Second Class
- 1st Class
- Std Class

Select one or more values to replace with a new value

You can have multiple sets of replaced values

Cancel Replace

Qlik Sense Cookbook Visual Data Preparation

Associations Tables Load data

(Orders...) 14 Columns 9994 Rows

Unpivot Add field ... Select data from source X

Ship Mode	Orders.Cust ...	City	State	Postal Code	Orders.Region	Orders.Product ID	Sales	Quantity	Discount	Profit	Discount Value
Standard Class	DK-13375	New York City	New York	10024	East	TEC-PH-10002075	377,97	3	0	109,6113	0
Standard Class	EB-13705	San Francisco	California	94122	West	FUR-TA-10003715	502,488	3	0,2	-87,9354	100,4976
Standard Class	EB-13705	San Francisco	California	94122	West	OFF-BI-10001597	196,704	6	0,2	68,8464	39,3408
Standard Class	NF-18475	Jacksonville	Florida	32216	South	OFF-PA-10000176	91,056	6	0,2	31,8096	10,2112
Standard Class	JC-15340	New York City	New York	10024	East	OFF-BI-10000343	3,928	1	0,2	1,3257	0,7856
Standard Class	JM-15055	Glendale	Arizona	85301	West	OFF-FA-10000611	2,368	2	0,2	0,8288	0,4736

### Discount Value Summary (Measure)

Distinct values: 3632 Total values: 9994

Preview of distinct value distribution

Count of Discount...

Value Range: Min 1,84, Median 3,06, Average 32,28, Max 11319,24

Null values: 25%

Null values: 3312 / 13306

### Bucket

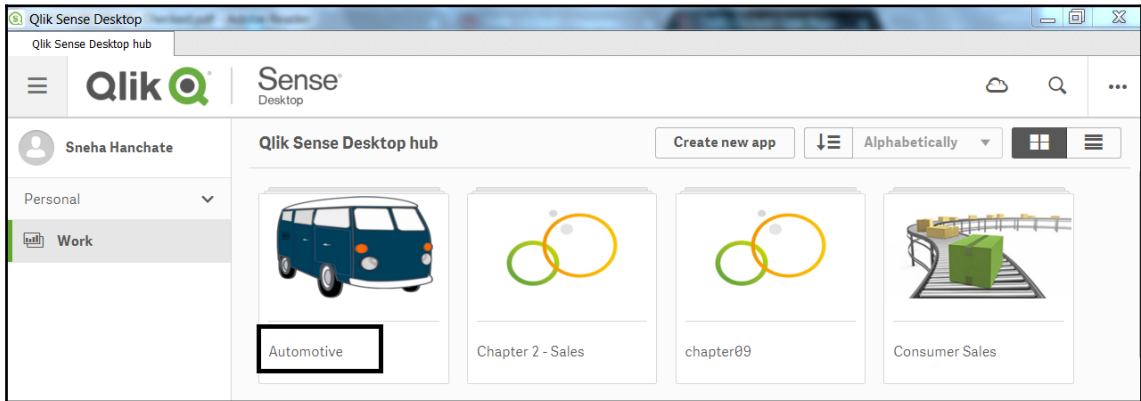
Group values into buckets to create ranges of values







Preview of data buckets

Buckets

Reset Create buckets

# Chapter 02: Visualizations





-  Snapshot Library
-  Text Library
-  Shape Library
-  Effect Library
-  Media Library
-  Sheet Library


---


## Snapshot library


▼ Older


 Cars in-use by c...  
October 3, 2015


 Cars in-use by c...  
October 3, 2015

 Cars in-use by c...  
October 3, 2015

 Cars in-use by c...  
October 3, 2015

 Car sales by terr...  
October 2, 2015

 Car sales by terr...  
October 2, 2015

 Car sales by terr...  
October 2, 2015

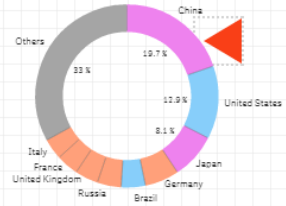


# Sales by Region and Territory

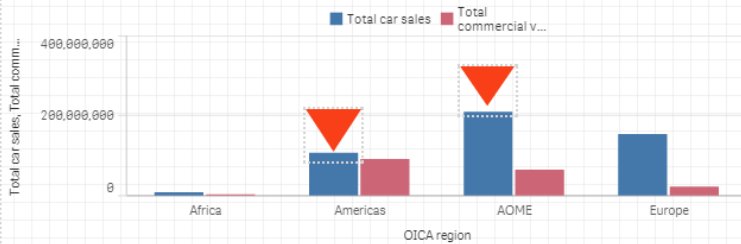
AOME region has the highest number of total car sales while if we consider commercial vehicles, Americas leads the way.

China is the biggest market for cars followed by United states. There is very little comparison amongst the volume of sales for european nations Italy France and United Kingdom

Car sales by territory



Vehicle sales by region



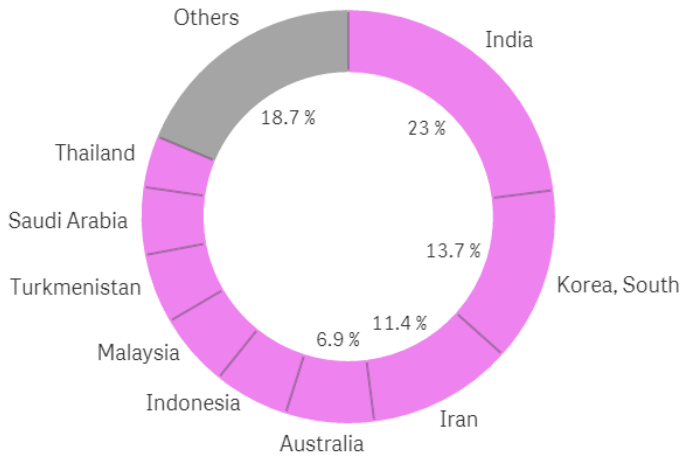
📷
✎
🔒

**Replace snapshot**

- Car sales by terr...  
October 2, 2015
- Car sales by terr...  
October 2, 2015
- Car sales by terr...  
October 2, 2015
- Car sales by terr...  
May 7, 2015 ✓

↩ Go to source

### Car sales by territory



#### Car sales by territory

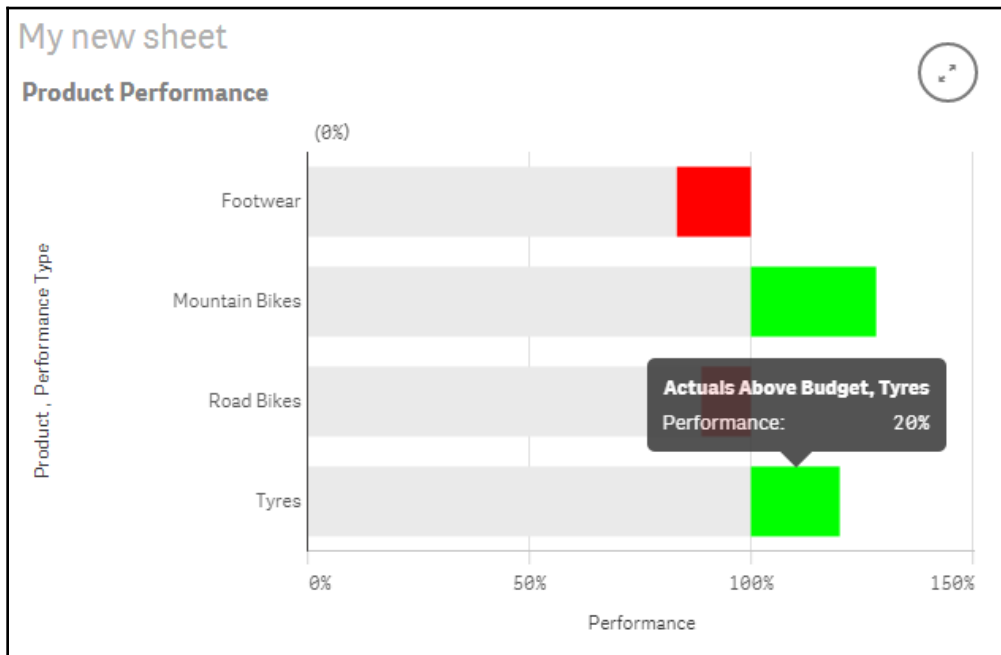
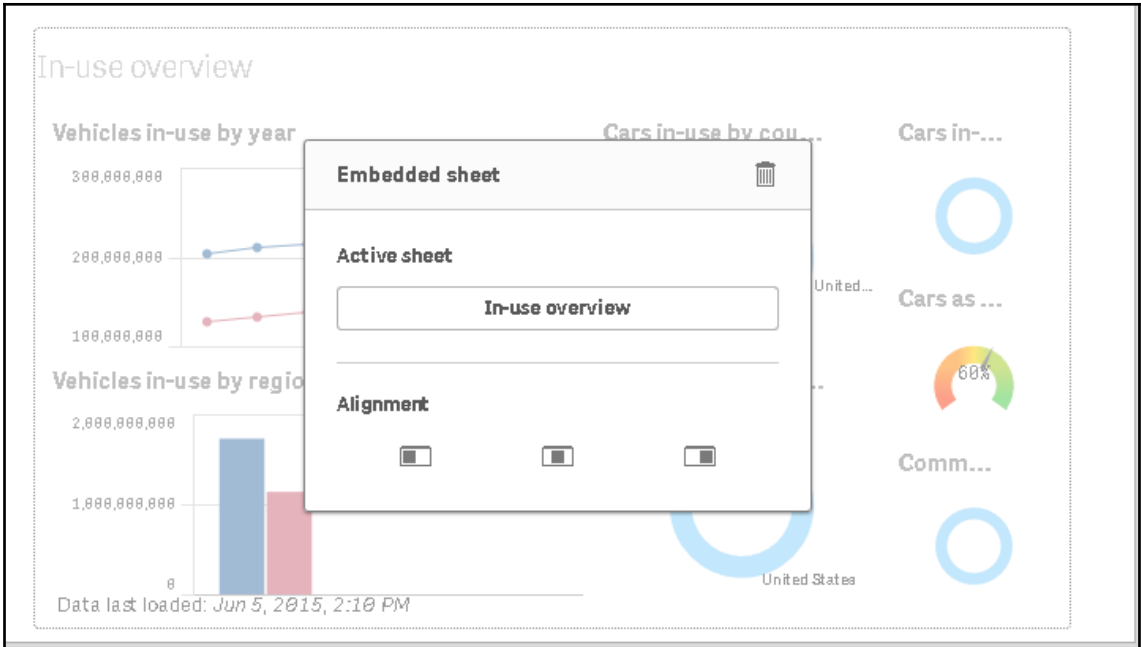
Show titles  **On**

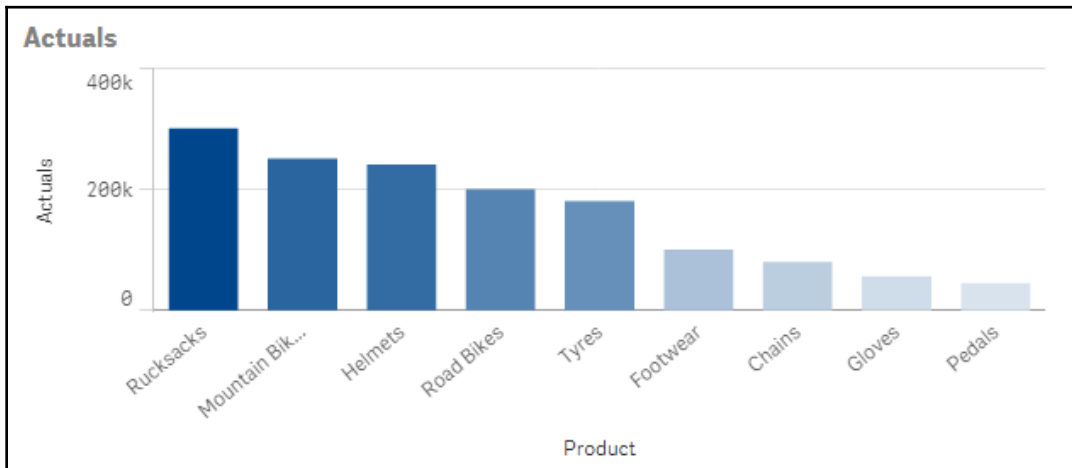
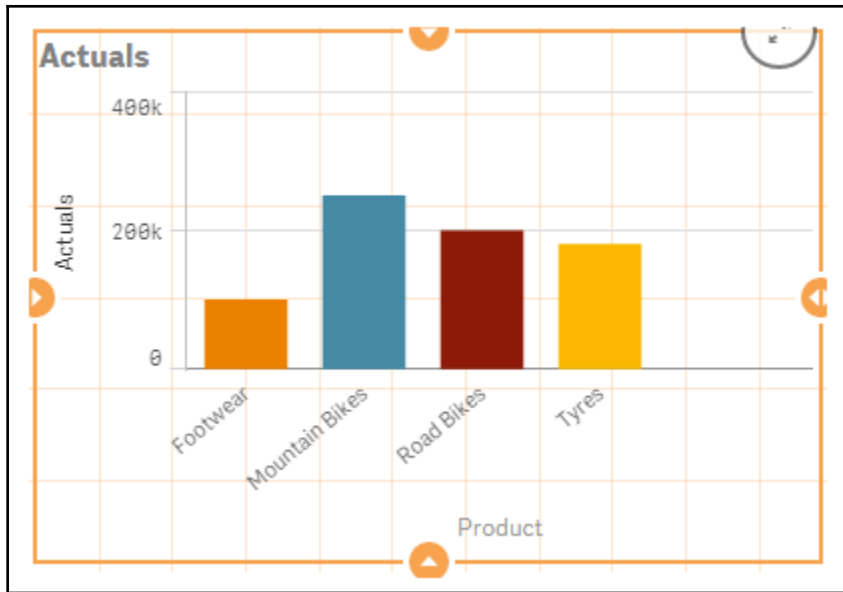
Dimension label  **Off**

Value labels  **Auto**

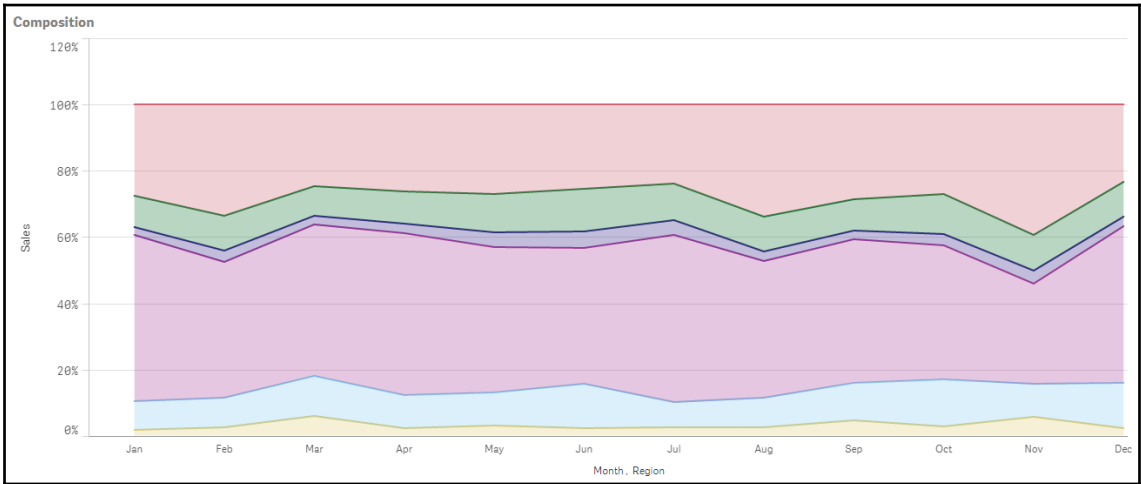
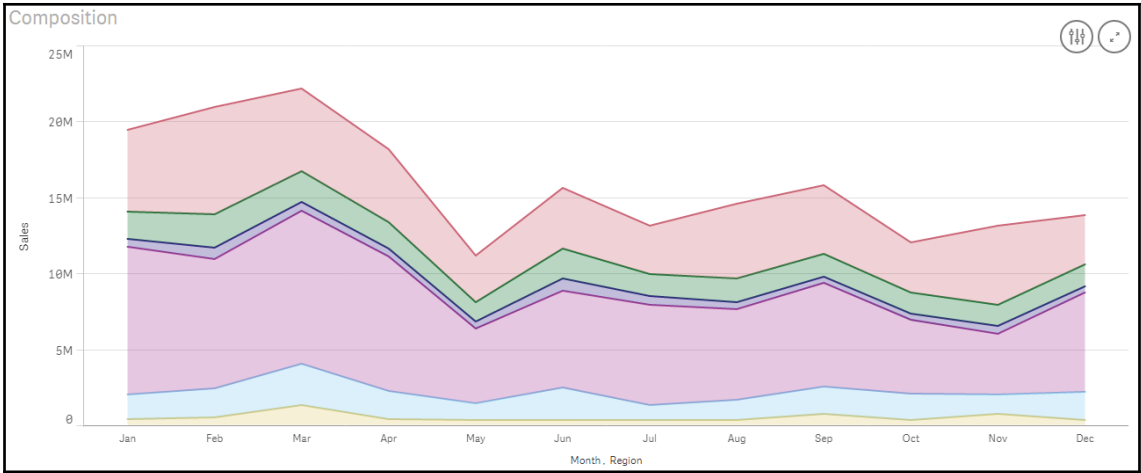
Show legend  **Off**

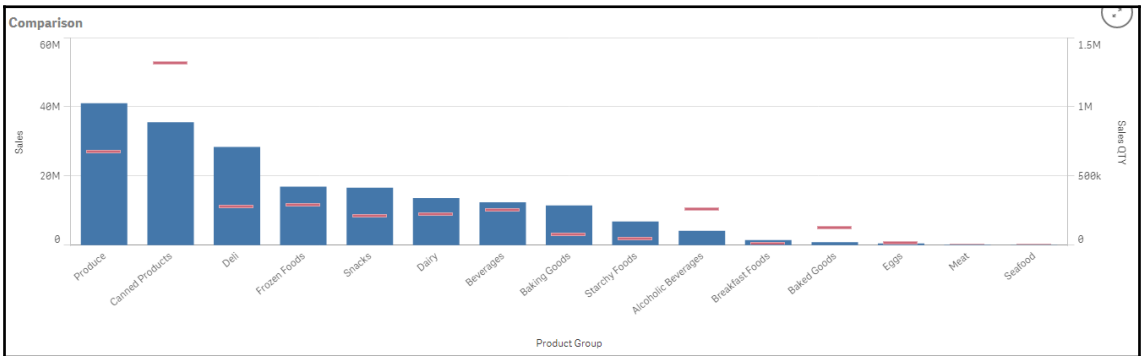
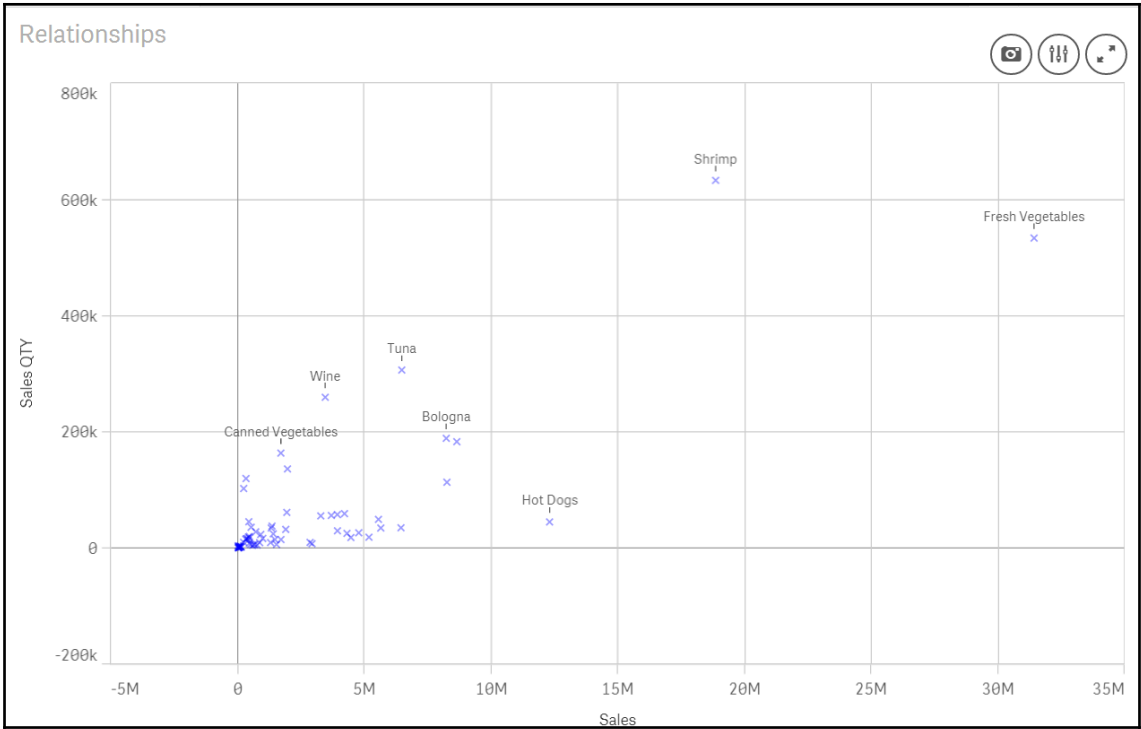
Done

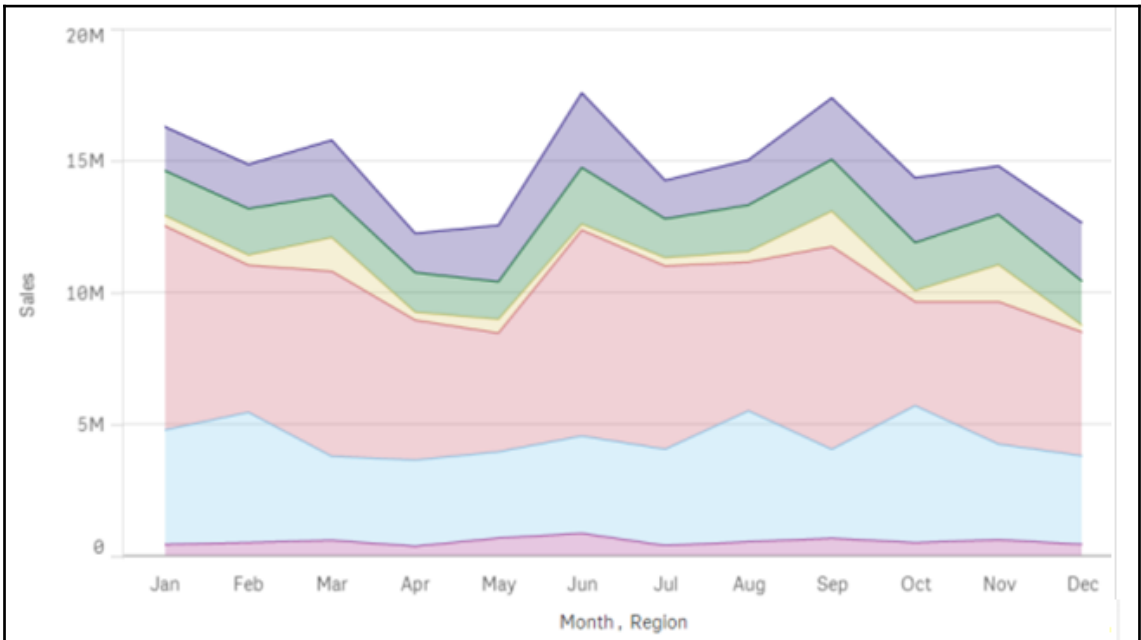
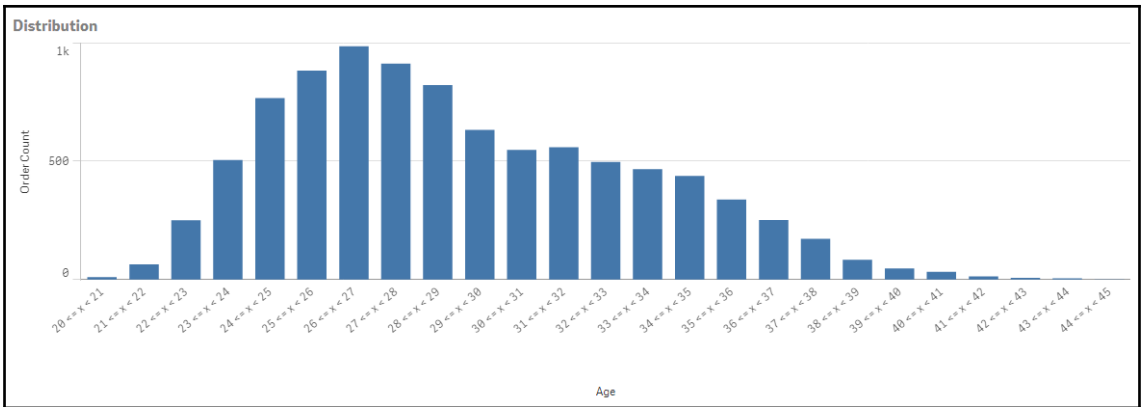


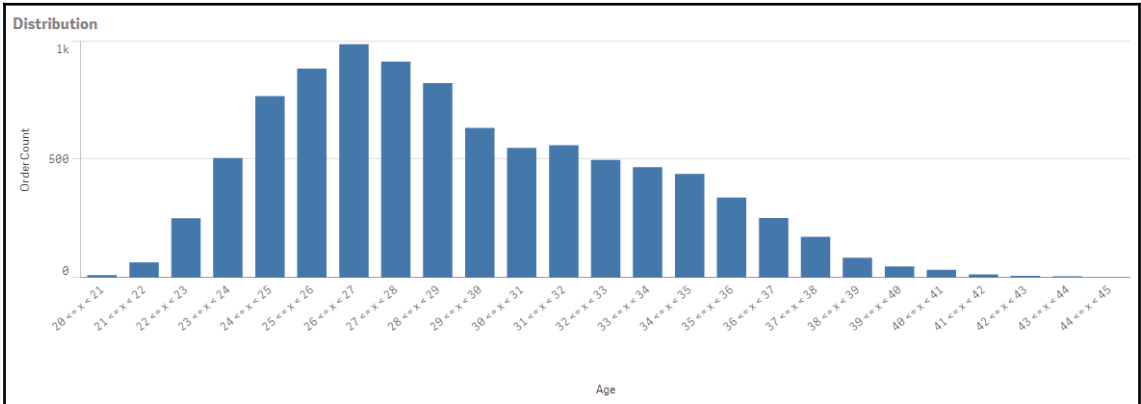
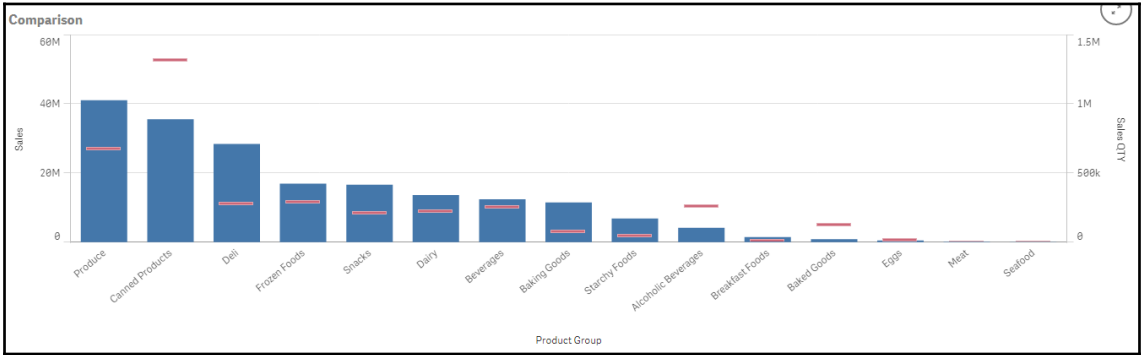
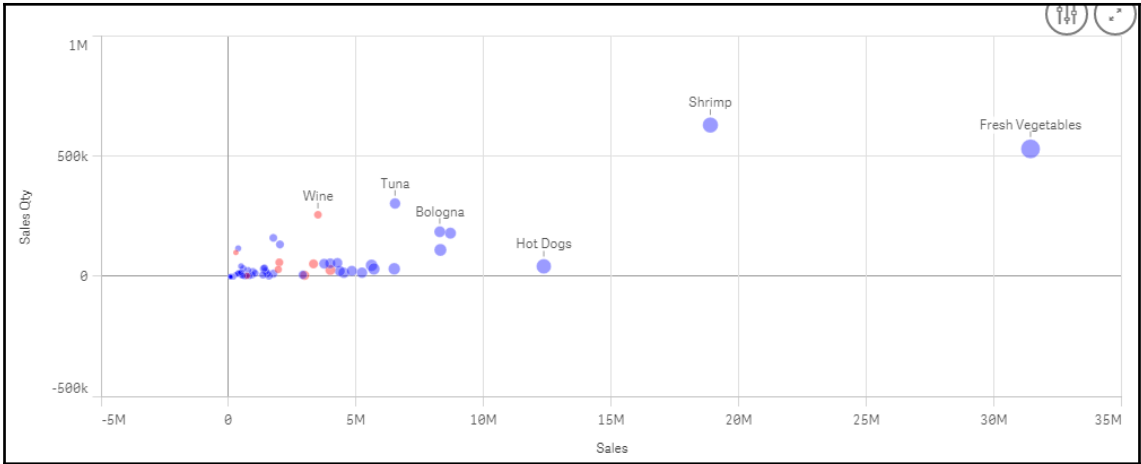


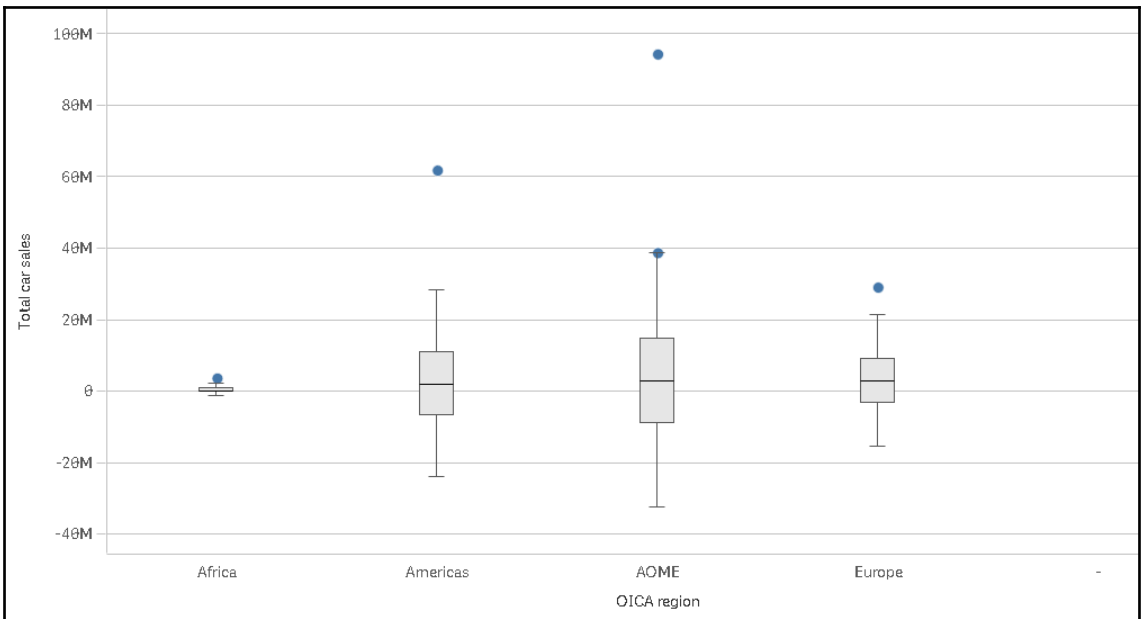
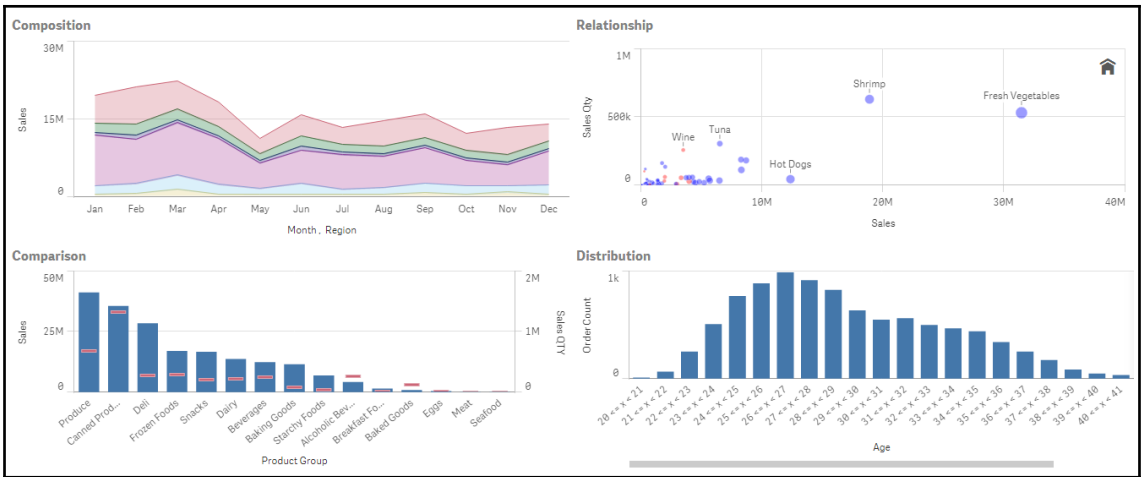


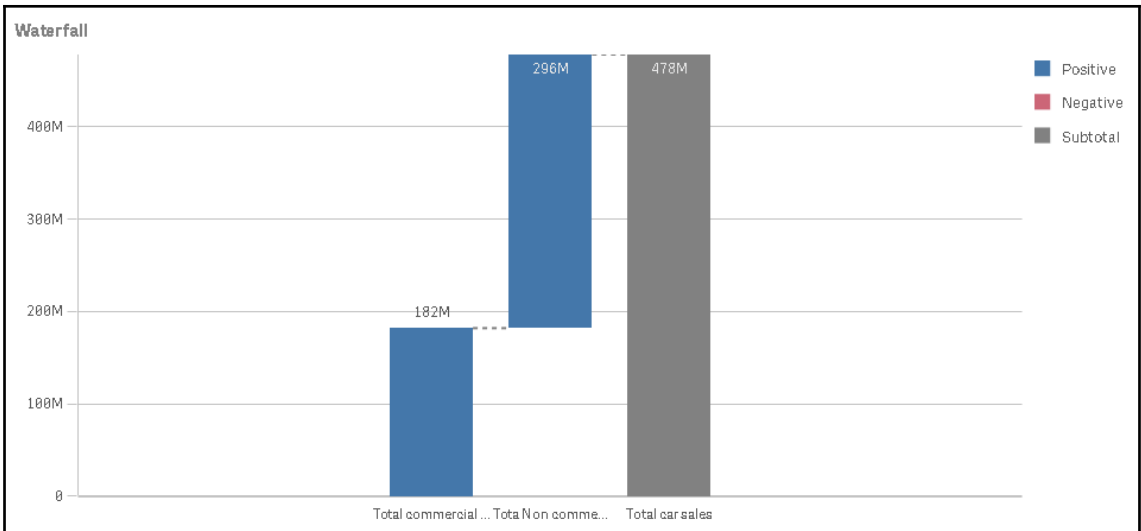






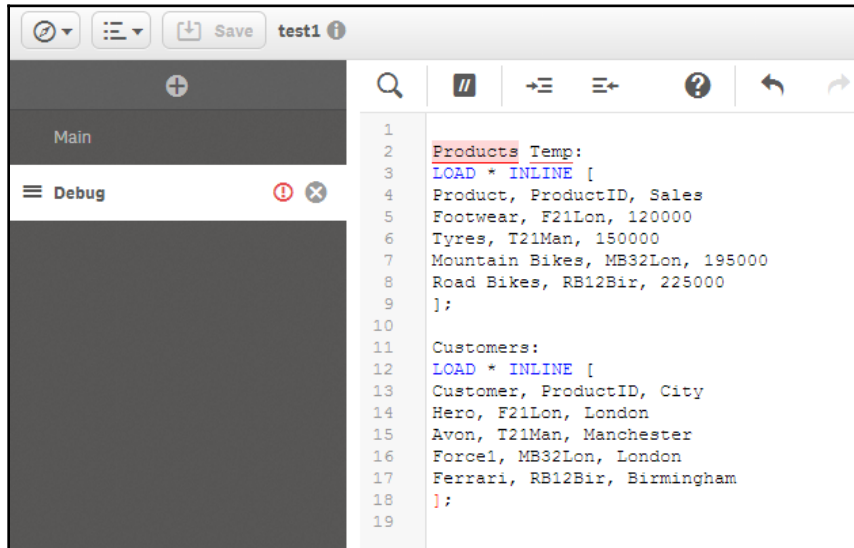






---

## Chapter 03: Scripting



The screenshot shows a script editor window titled 'test1'. The interface includes a toolbar with icons for search, comment, and undo/redo, and a sidebar with 'Main' and 'Debug' tabs. The main editor area displays a script with the following content:

```
1
2 Products Temp:
3 LOAD * INLINE [
4 Product, ProductID, Sales
5 Footwear, F21Lon, 120000
6 Tyres, T21Man, 150000
7 Mountain Bikes, MB32Lon, 195000
8 Road Bikes, RB12Bir, 225000
9 ];
10
11 Customers:
12 LOAD * INLINE [
13 Customer, ProductID, City
14 Hero, F21Lon, London
15 Avon, T21Man, Manchester
16 Force1, MB32Lon, London
17 Ferrari, RB12Bir, Birmingham
18 ];
19
```

Qlik Sense Desktop hub test1 | Data loa... x

test1

Main

Debug

```

1
2 Products Temp:
3 LOAD * INLINE [
4 Product, ProductID, Sales
5 Footwear, F21Lon, 120000
6 Tyres, T21Man, 150000
7 Mountain Bikes, MB32Lon, 195000
8 Road Bikes, RB12Bir, 225000
9 ];
10
11 Customers:
12 LOAD * INLINE [
13
14 Products Temp:
15 LOAD * INLINE [
16 Product, ProductID, Sales
17 Footwear, F21Lon, 120000
18 Tyres, T21Man, 150000
19 Mountain Bikes, MB32Lon, 195000

```

Output Variables Breakpoints

Output

Saving previous state and data...  
11:46:01  
Saving previous state and data...  
Saving previous state and data...  
Saving previous state and data...  
Saving previous state and data...  
Saving previous state and data...  
Saving previous state and data...  
Saving previous state and data...  
Unknown statement: Products Temp: LOAD \* INLINE [ Product, ProductID, Sales Footwear, F21Lon, 120000 Tyres, T21Man Bikes, RB12Bir, 225000 ]

Variables

▼ Favorites

▼ All variables

★	ScriptError	
★	ScriptErrorCount	1 ←
★	ScriptErrorDetails	<NULL>
★	ScriptErrorList	Syntax Error ←



The screenshot shows a SQL development tool interface. The main editor contains the following T-SQL code:

```
1 ProductsTemp:
2 LOAD * INLINE [
3 Product, ProductID, Sales
4 Footwear, F21Lon, 120000
5 Tyres, T21Man, 150000
6 Mountain Bikes, MB32Lon, 195000
7 Road Bikes, RB12Bir, 225000
8 ]:
9
10
11 Customers:
12 |
13 LOAD * INLINE [
14 Customer, ProductID, City
15 Hero, F21Lon, London
16 Avon, T21Man, Manchester
17 Forcel, MB32Lon, London
18 Ferrari, RB12Bir, Birmingham
19 ]:
```

Below the editor, there is a 'Limited load' checkbox which is checked, with a value of '10'. To the right are play and stop buttons. Below these are two panels: 'Variables' and 'Breakpoints'. The 'Variables' panel shows 'Favorites' and 'All variables'. The 'Breakpoints' panel shows two breakpoints: 'Debug: 1' and 'Debug: 12', both with checked checkboxes and a close button (X).

### Edit connection (folder)

Path

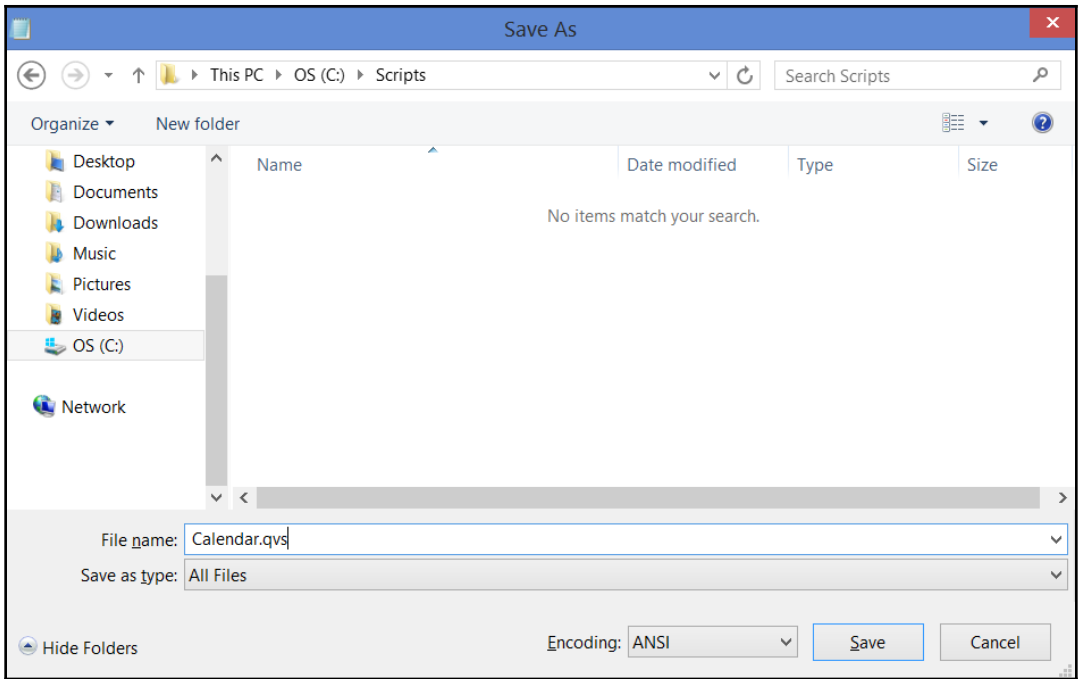
C > Scripts >

←

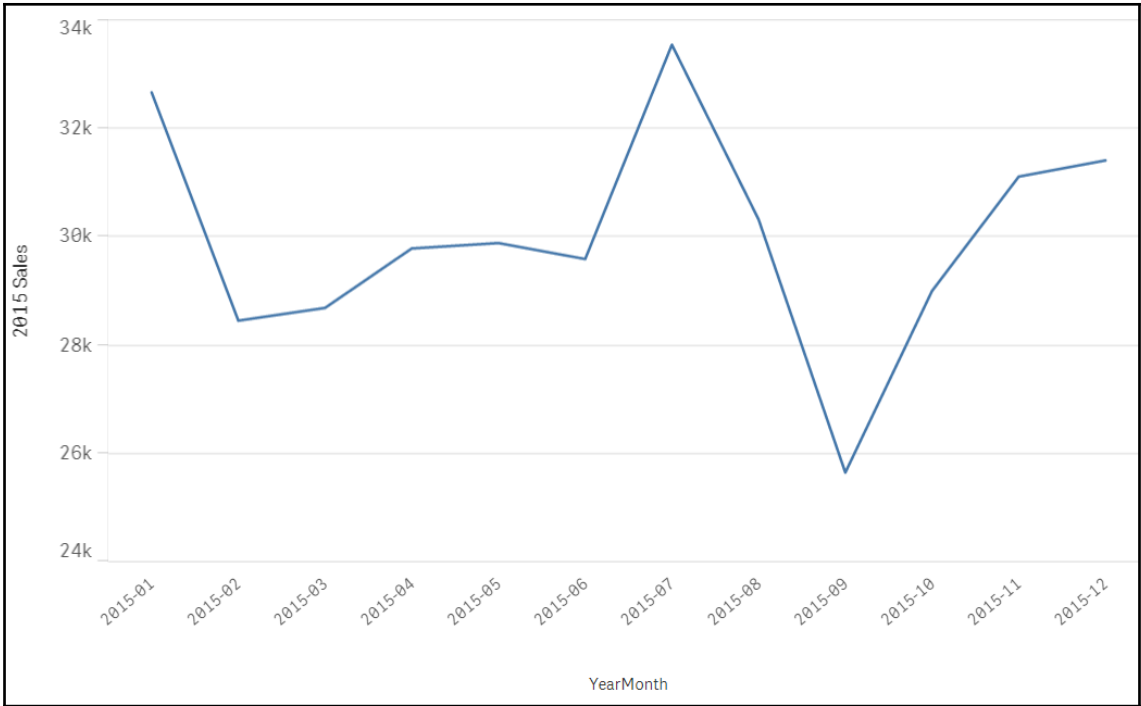
Name

Scripts

Cancel Save



QVD Audit						
STDQVD Name	STDQVD No of Fields	STDQVD No of Records	STDQVD Start Time	STDQVD End Time	STDQVD Time Taken (hh mm ss)	
T_Customer	3	4	09 Jun 15 10:53	09 Jun 15 10:53	00	00 00
T_Product	3	4	09 Jun 15 10:53	09 Jun 15 10:53	00	00 00



**Data load progress**

**Data load is complete.**

Elapsed time 00:00:05

**Started loading data**

```
Data_To_Load << Transactions_Source1
(old QVD (row based) optimized)
QVD file generated by version 11.2 or lower was detected.
Use STORE INTO to optimize and columnize this file.
Lines fetched: 1,000,550
Transactions_Source2
(old QVD (row based) optimized)
QVD file generated by version 11.2 or lower was detected.
Use STORE INTO to optimize and columnize this file.
Lines fetched: 2,001,162
```

**App saved**

**Finished successfully**

0 forced error(s)

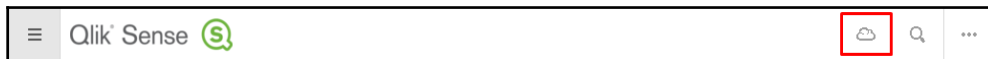
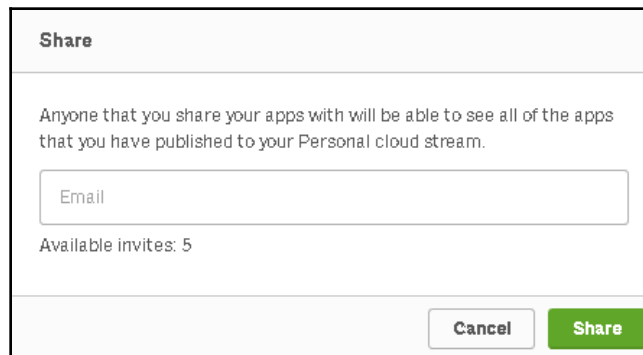
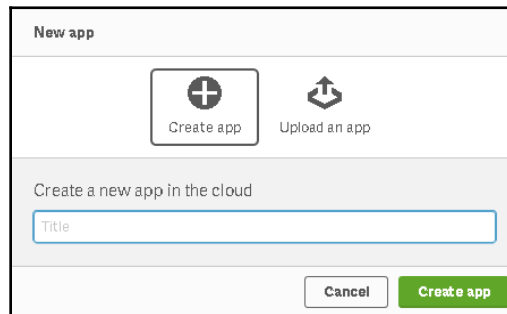
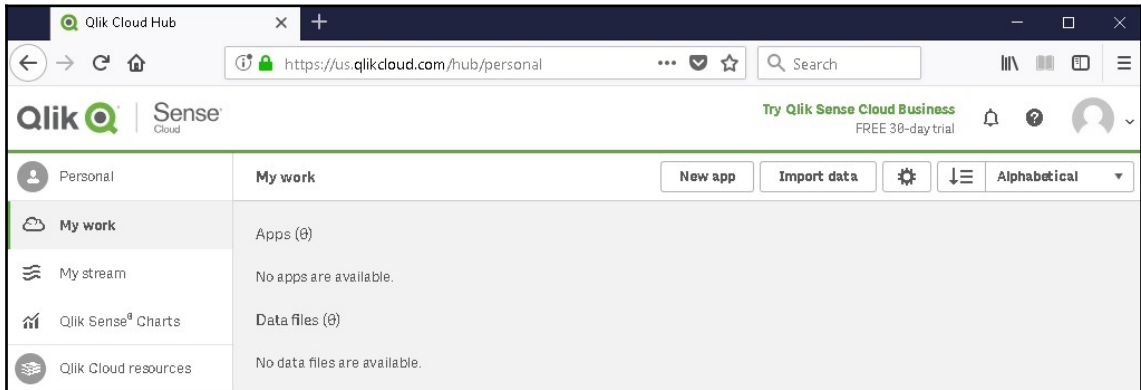
0 synthetic key(s)

Close when successfully finished Close

**Orders**

	OrderID	Products	Sales
Totals			1147102
	101	Footwear,Mountain Bikes,Tyres	465000
	102	Chains,Road Bikes	365000
	103	Mountain Bikes,lubricant	251869
	104	Road Bikes	65233

# Chapter 04: Managing Apps and the User Interface




**Charts**

- Bar chart
- Box plot
- Combo chart
- Distribution plot
- Filter pane
- Gauge
- Histogram
- #1 KPI
- Line chart
- Map
- Pie chart
- Pivot table
- Scatter plot
- Table

### My new Sheet

Click to add title

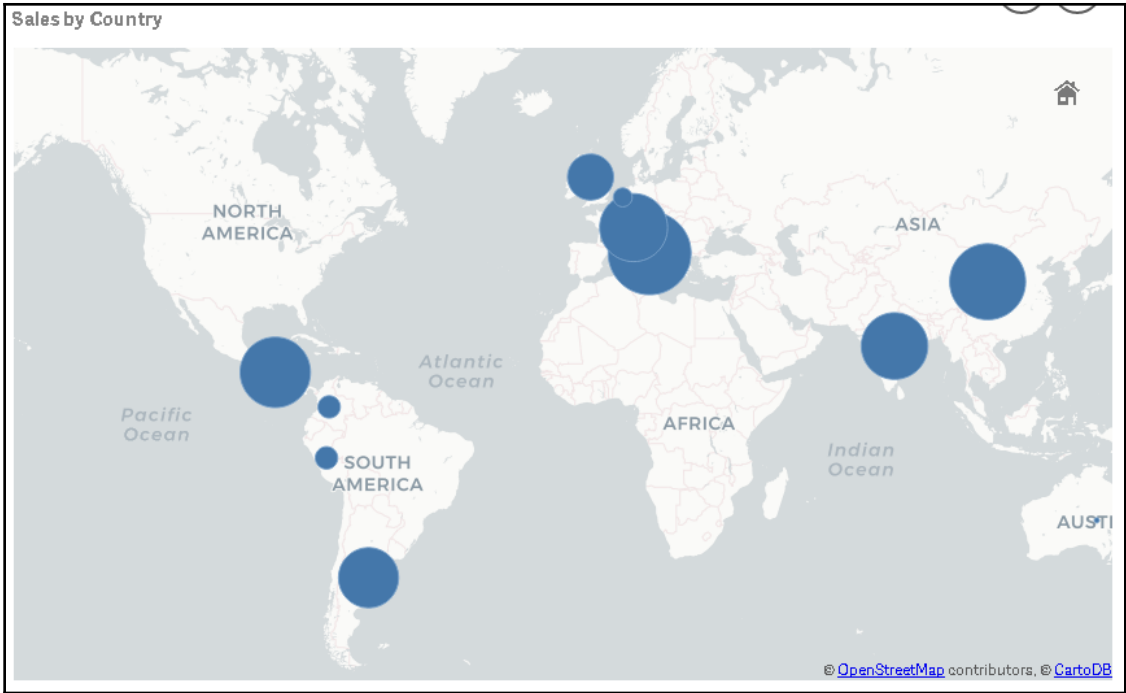


Add dimension

← Back

Select a field to represent point names

- CountryID (point)
- Country (point)
- Latitude (point)
- Longitude (point)
- CountryGeoPoint (point)



Background

Show  **On**

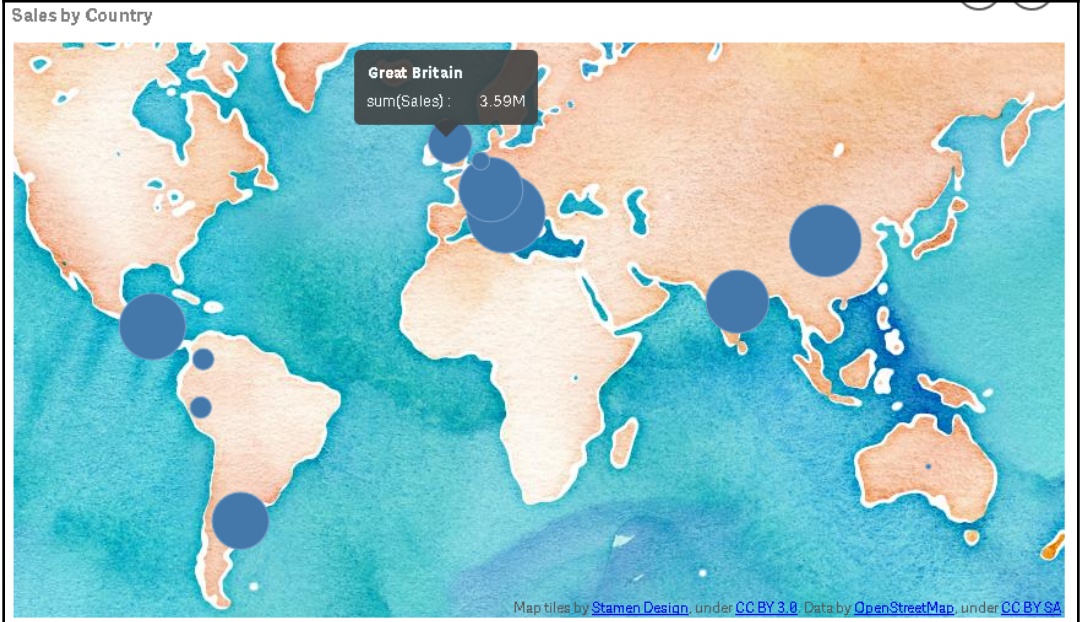
Map service  **Custom**

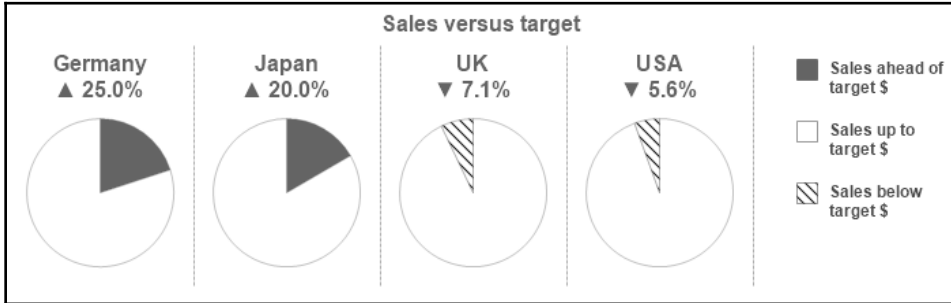
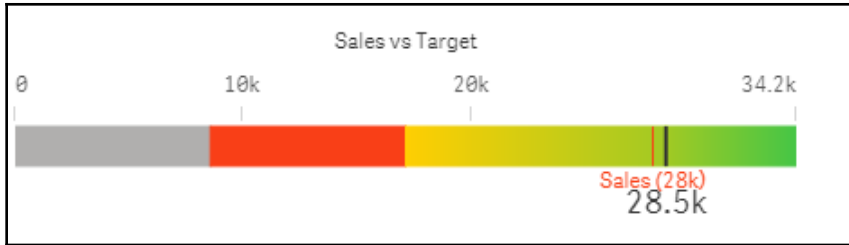
Type  
Slippy map (XYZ) ▼

URL

Attribution

[URLs and attributions](#)





**Sales vs Target**

Germany

**11.1%▲**

Country

- Germany ✓
- Japan
- UK
- USA

**Sales vs Target**

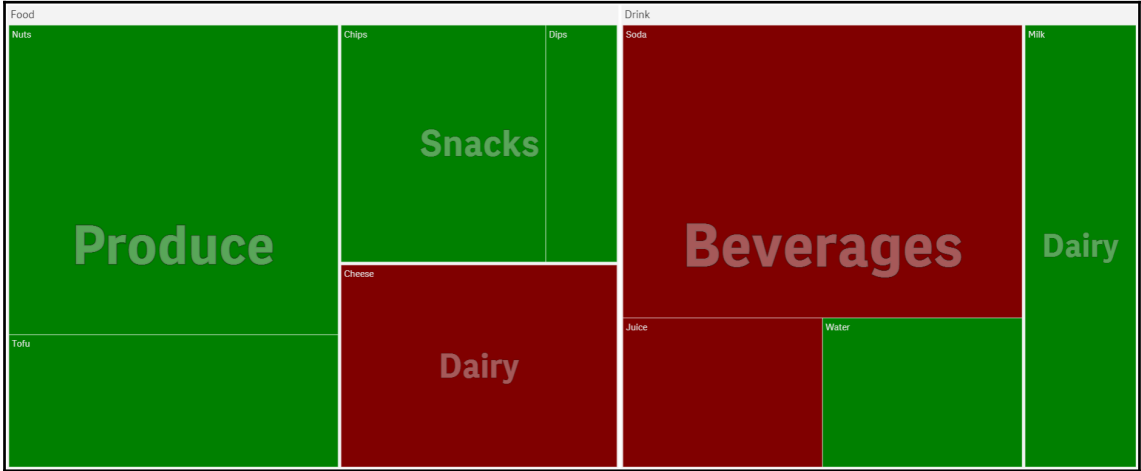
Click again to go to sheet: **Reports** -1.8%

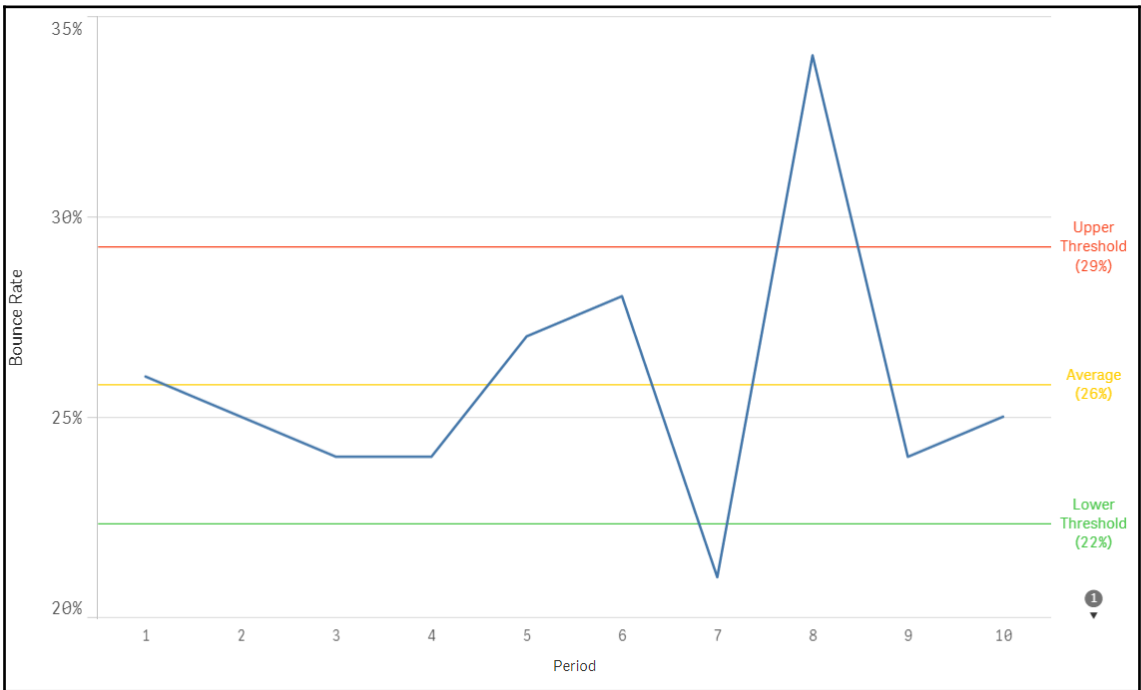
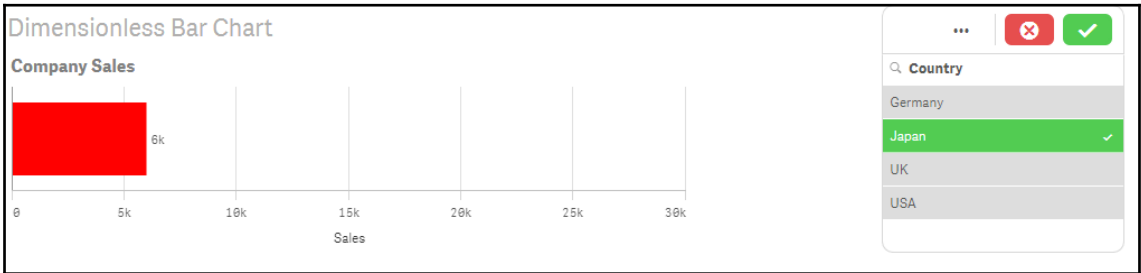
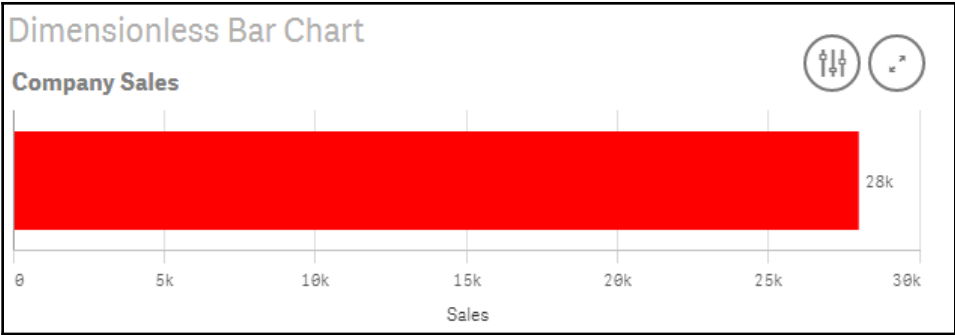
Country	Sales	Target
<b>Totals</b>	<b>28000</b>	<b>28500</b>
Germany	5000	4500
Japan	6000	6000
UK	7000	9500
USA	10000	8500

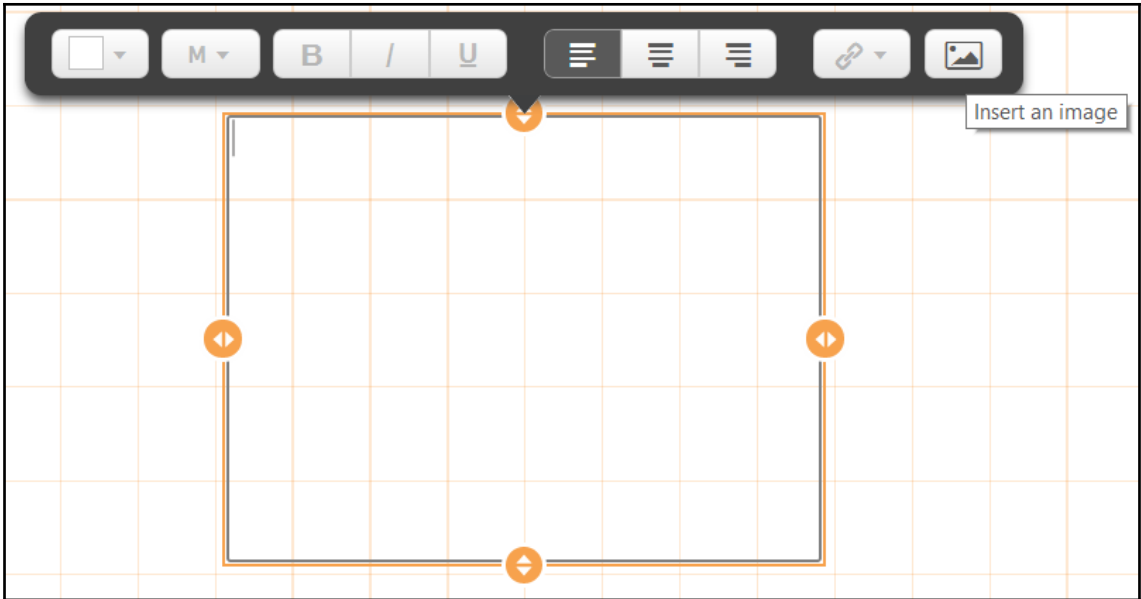


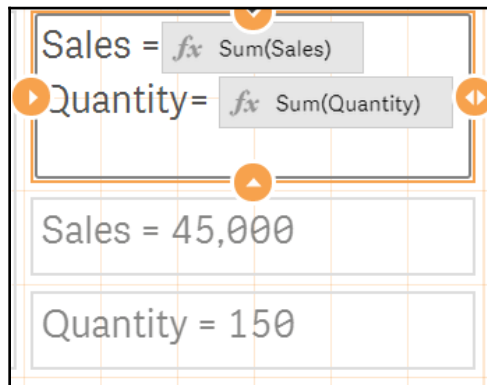
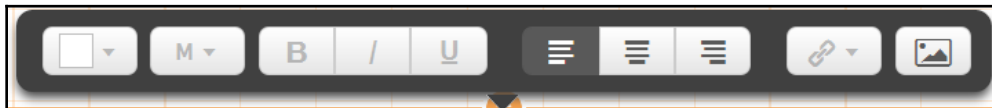
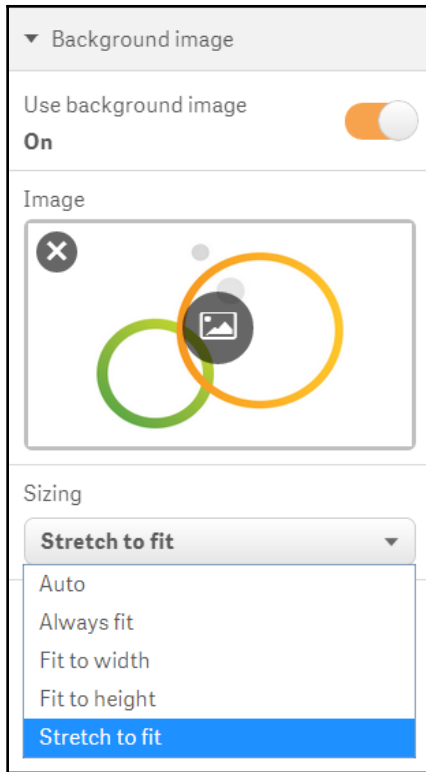
Sales vs Target-1

28k ▾ 28.5k  
Target









---

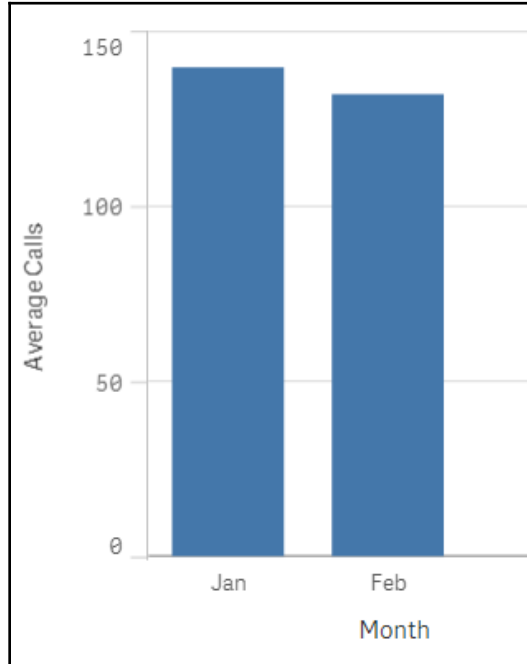
Chapter 4 - Text and Images

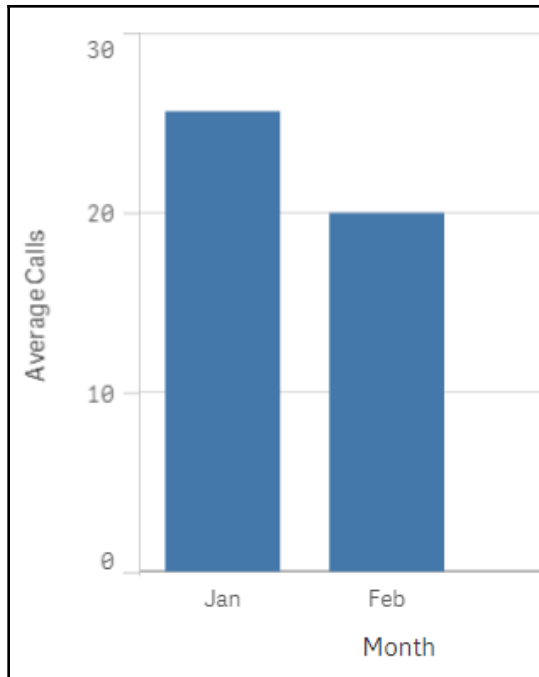


Sales = 45,000

Quantity = 150

Cost = 36,000






Thumbnail interface for Chapter 4 - Adding thumbnails. It includes a title, a description, and a thumbnail image.

**Title:** Chapter 4 - Adding thumbnails


**Description:** This application is used to demonstrate how to add thumbnails and descriptions.



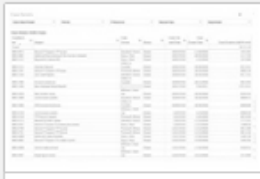
Sheets
 Bookmarks
 Stories



Dashboard











Performance

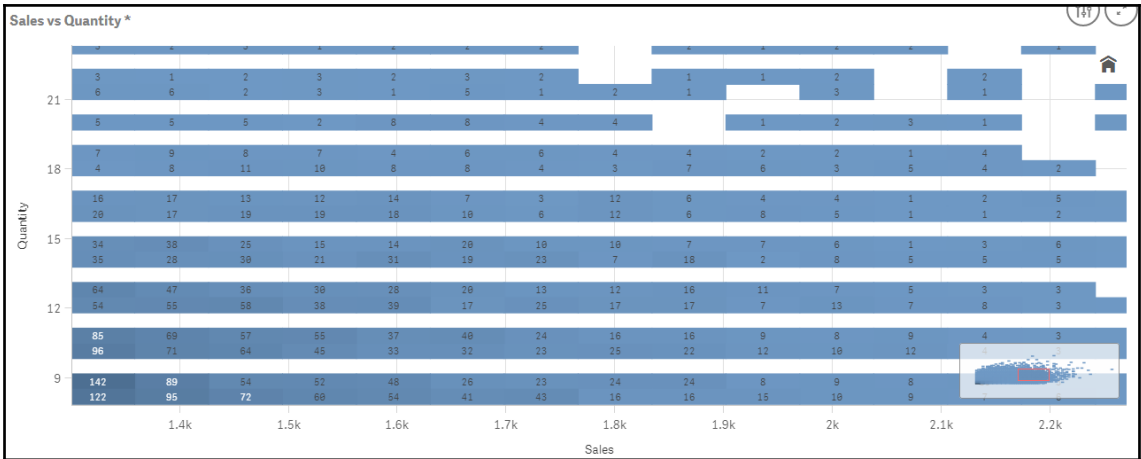
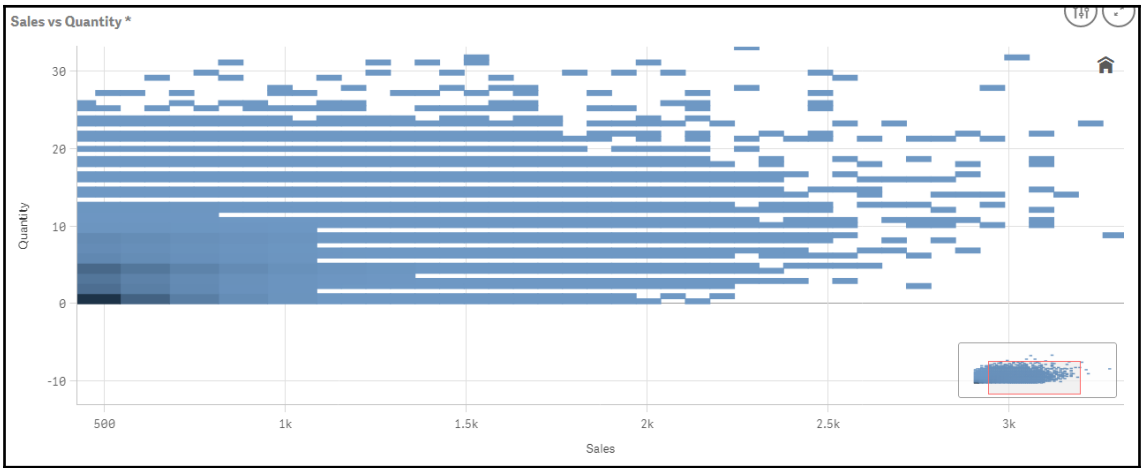


Case Details

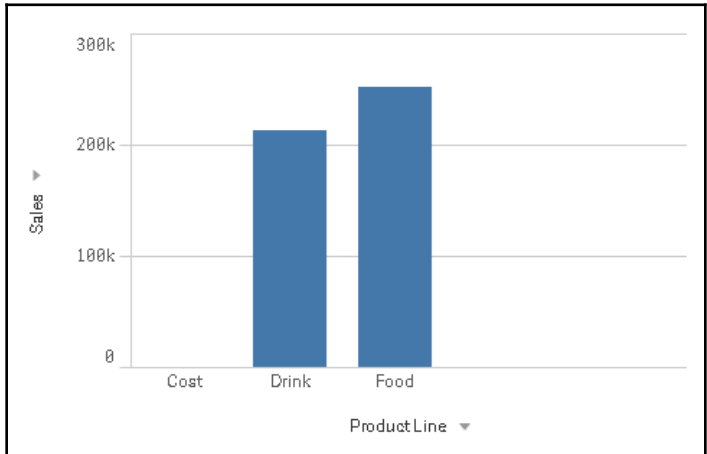
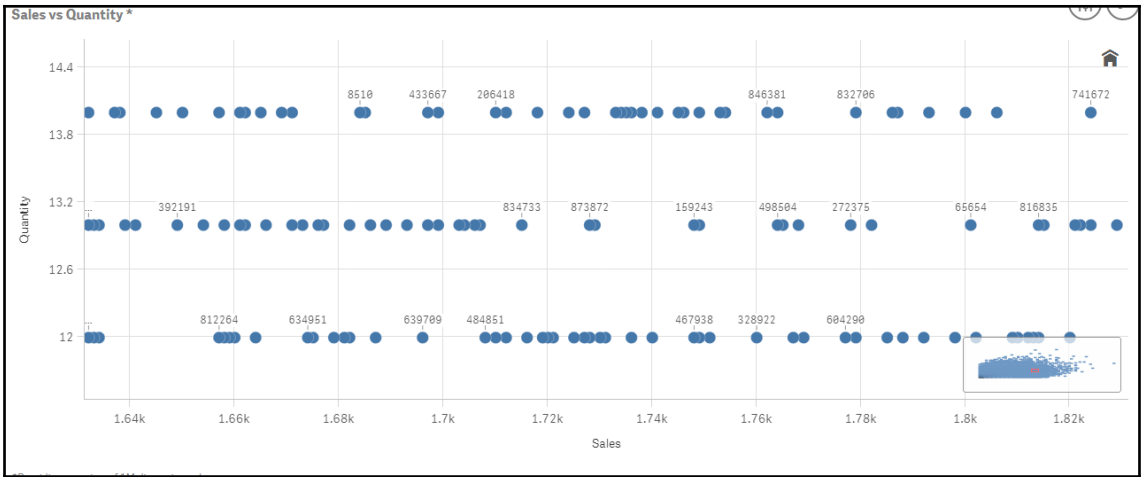
**Performance**

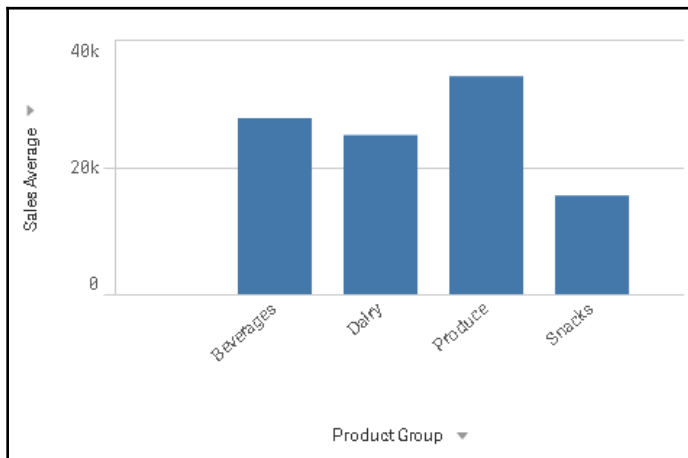
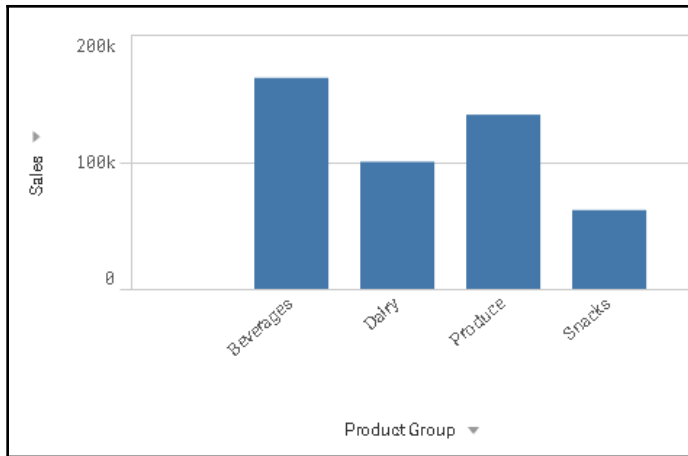
See employee resource breakdown for each case. Who has the most open cases? Which employee's average case duration is the longest?

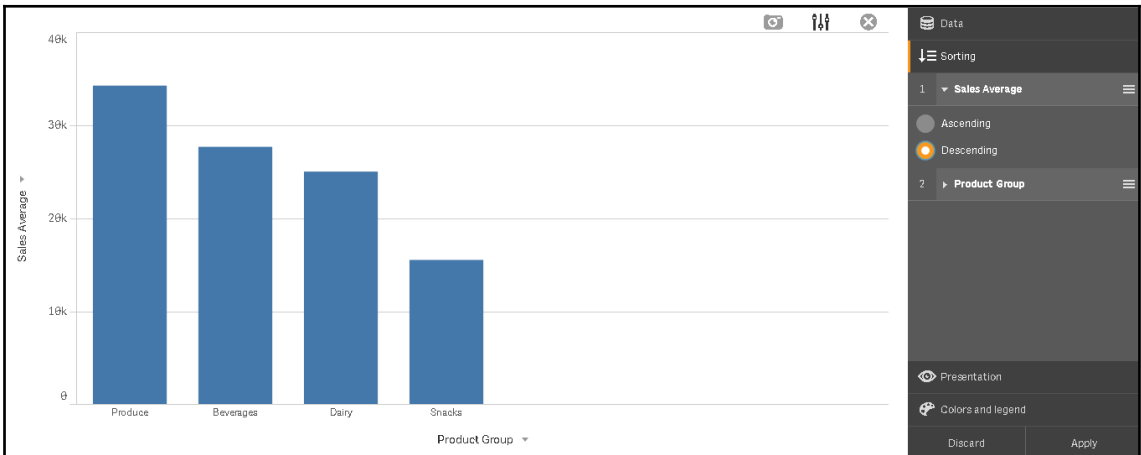
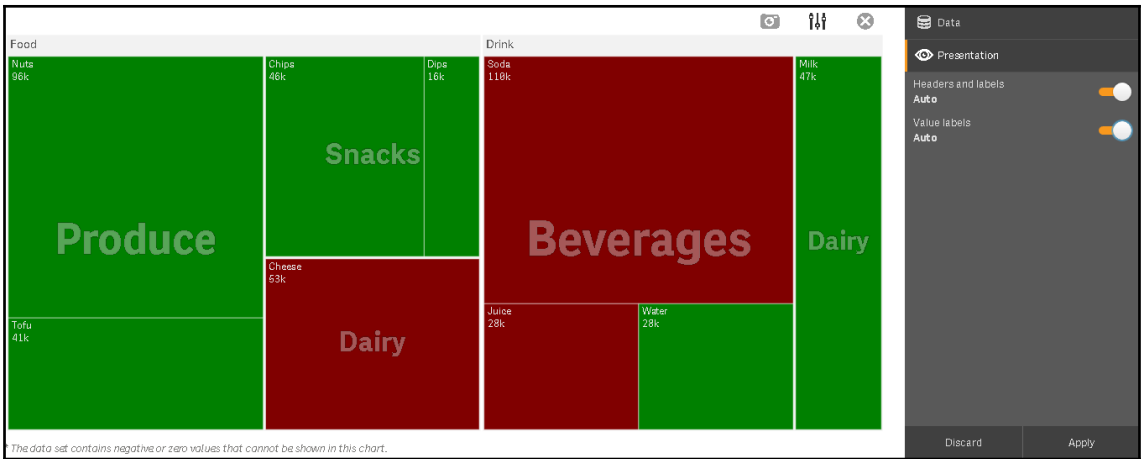
	<p><b>Chapter 4 - Adding thumbnails</b>  <i>File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Chapter 4 - Adding thumbnails.qvf</i></p>		<p><b>Consumer Goods Sales</b>  <i>File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Consumer_Sales.qvf</i>            See through the eyes of a consumer goods company. Analyze sales data by sales rep, by region, by product, etc.</p>
	<p><b>Chapter 4 - Applying limitations in QV Charts</b>  <i>File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Chapter 4 - Applying limitations in QV Charts.qvf</i></p>		<p><b>Executive Dashboard</b>  <i>File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Executive Dashboard.qvf</i>            Executive Dashboard is for senior managers to monitor performance within their business, giving them both a high level view as well as the ability to drill down into the granular details of the business. In this example, the organization manufactures fast moving consumables, using a reseller model to distribute its products across multiple regions.</p>
	<p><b>Chapter 4 - Text and Images</b>  <i>File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Chapter 4 - Text and Images.qvf</i></p>		<p><b>Helpdesk Management</b>  <i>File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Helpdesk Management.qvf</i>            This application holds the data of tickets that are submitted by internal employees to the IT department. It includes when a computer needs to be upgraded or a mobile phone does not work. Each ticket is assigned to an IT resource, but an IT manager, if he needs to be aware which tickets came in as a high priority, or which tickets have not been assigned to any resources yet.</p>
	<p><b>Chapter 4 - Tree maps</b>  <i>File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Chapter 4 - Tree maps.qvf</i></p>		<p><b>Sales Discovery</b>  <i>File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Sales Discovery.qvf</i>            This application contains consumer goods sales data. Using the uniqueness of Qlik Sense, Associative Analysis, you will be able to analyze sales information from different angles and create your own charts</p>



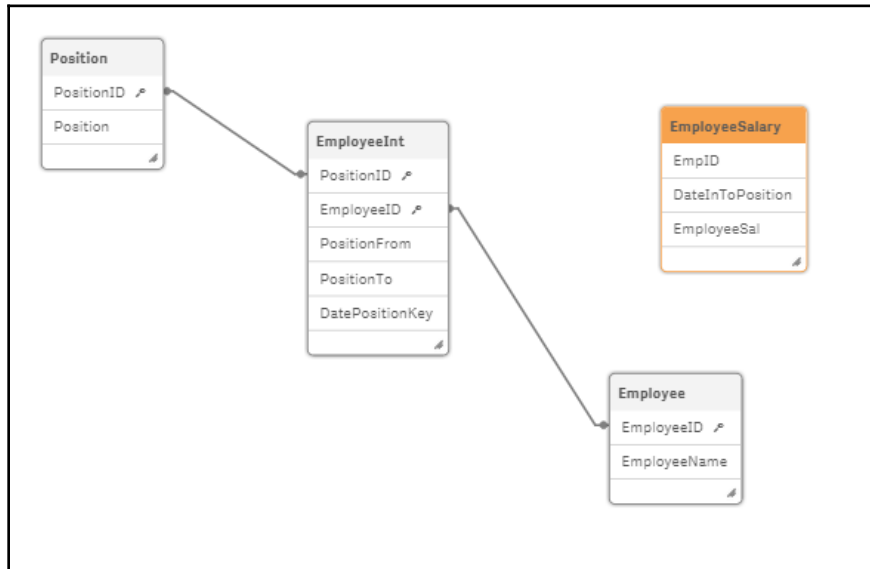






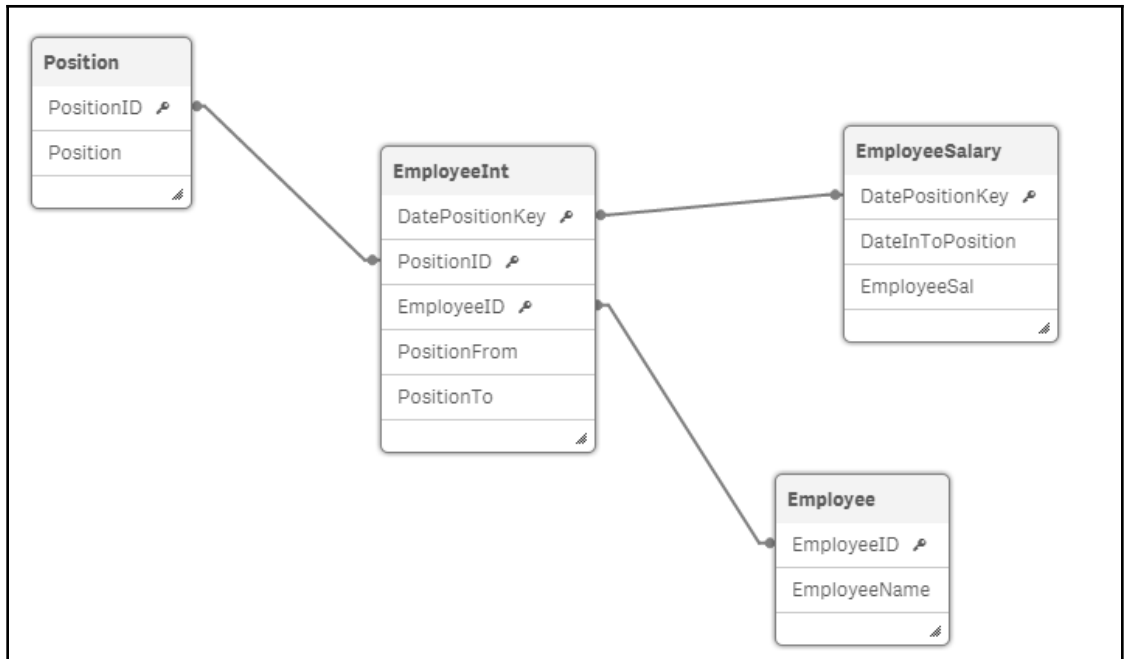


# Chapter 05: Useful Functions



Extended interval match

EmployeeID	EmployeeName	Position	PositionFrom	PositionTo
11	Susan Sayce	HR Analyst	01/08/2008	31/08/2009
11	Susan Sayce	HR Director	01/09/2009	31/10/2010
22	Adam Holliaok	HR Analyst	10/08/2008	15/03/2010
33	Rod Marsh	HR Director	03/03/2008	08/12/2008
44	Alex Gerard	HR Executive	15/02/2008	15/03/2010
55	Pete Cox	HR Executive	01/06/2008	08/12/2008



### Extended interval match

EmployeeID	EmployeeName	Position	PositionFrom	PositionTo	Salary
<b>Totals</b>					<b>400000</b>
11	Susan Sayce	HR Analyst	01/08/2008	31/08/2009	50000
11	Susan Sayce	HR Director	01/09/2009	31/10/2010	90000
22	Adam Holliaok	HR Analyst	10/08/2008	15/03/2010	45000
33	Rod Marsh	HR Director	03/03/2008	08/12/2008	100000
44	Alex Gerard	HR Executive	15/02/2008	15/03/2010	60000
55	Pete Cox	HR Executive	01/06/2008	08/12/2008	55000

### Extended interval match

EmployeeID	EmployeeName	Position	PositionFrom	PositionTo	Salary	LatestRecord Flag
<b>Totals</b>					<b>400000</b>	
11	Susan Sayce	HR Director	01/09/2009	31/10/2010	90000	Yes
11	Susan Sayce	HR Analyst	01/08/2008	31/08/2009	50000	No
22	Adam Holliak	HR Analyst	10/08/2008	15/03/2010	45000	Yes
33	Rod Marsh	HR Director	03/03/2008	08/12/2008	100000	Yes
44	Alex Gerard	HR Executive	15/02/2008	15/03/2010	60000	Yes
55	Pete Cox	HR Executive	01/06/2008	08/12/2008	55000	Yes

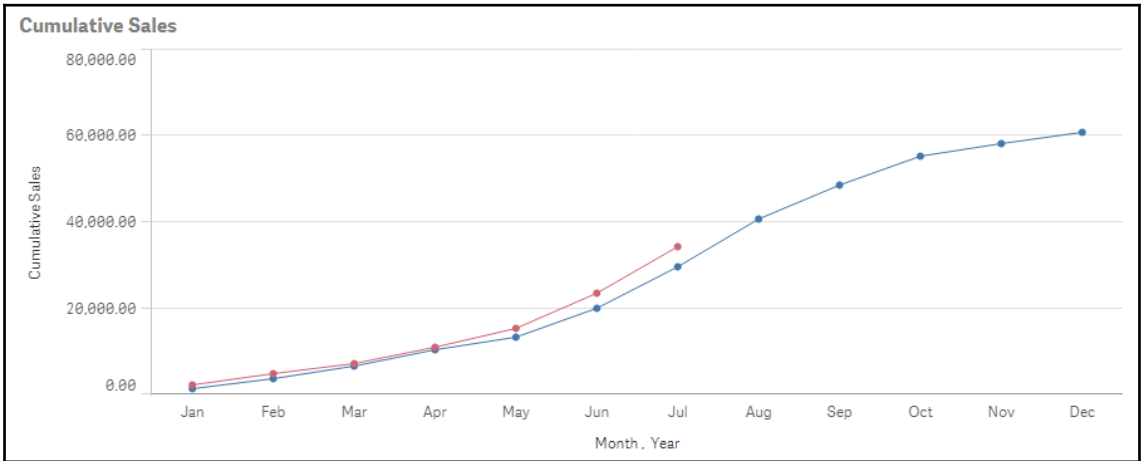
### Average Monthly Sales

MonthYear	WorkingDays	Avg Sales
Aug 2014	20	£250.00
Sep 2014	22	£23.73
Oct 2014	23	£22.22
Nov 2014	20	£250.00
Dec 2014	21	£69.29
Jan 2015	21	£47.62
Feb 2015	20	£100.00
Mar 2015	22	£100.00
Apr 2015	20	£13.30
May 2015	19	£368.42
Jun 2015	22	£227.27
Jul 2015	23	£19.83
Sep 2015	22	£190.91
Oct 2015	18	£104.17

### Sales by Orders

OrderID	Customer	Products	Total Sales
<b>Totals</b>			<b>255</b>
201	1	Chain,Mudguard,Seat	110
202	2	Basket,Gloves	75
203	3	Helmet	70

Oldest case in Queue (in days)'			
Status	Q	Case Volume	Oldest Item in Queue in Days
Advice		3	4,951
Contact		3	4,837
Creditors Meeting		2	4,415
Draft Allocation		3	4,412
Drafting		1	764
New Business		3	1,849
Review		1	1,849
Sign off		1	4,406



Quartiles Q	CaseID Q	Value
<b>Totals</b>		<b>42450</b>
Quartile 4	108	8000
Quartile 4	109	5960
Quartile 4	107	5600
Quartile 3	110	5000
Quartile 3	111	4000
Quartile 3	105	3500
Quartile 2	104	2590
Quartile 2	112	2500
Quartile 2	102	1800
Quartile 1	101	1500
Quartile 1	106	1200
Quartile 1	103	800

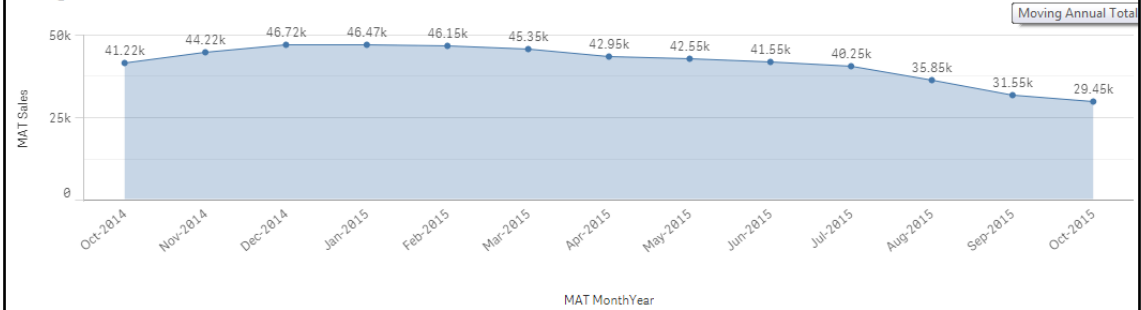
Quartiles Q	CaseID Q	Value
<b>Totals</b>		<b>13660</b>
Quartile 4	109	5960
Quartile 3	111	4000
Quartile 2	112	2500
Quartile 1	106	1200

Quartiles Q	CaseID Q	Value
<b>Totals</b>		<b>13660</b>
Quartile 4	109	5960
Quartile 3	111	4000
Quartile 2	112	2500
Quartile 1	106	1200



### MAT Trendline

#### Moving Annual Total



Month	Product	Sales
<b>Totals</b>		<b>6882967</b>
April	2589	589686
April	4545	526352
April	7852	323256
February	2563	658968
February	2589	489868
February	7852	451185
January	4545	658936
January	7852	458788
January	2563	456698
January	4568	452658
January	7856	452563

FromCurrency	ExchangeRate	RateStartDate	RateEndDate
EUR	0.687	01/08/2012	01/09/2012
EUR	0.757	02/09/2012	07/09/2013
EUR	0.74	08/09/2013	23/10/2014
EUR	1.10	24/10/2014	27/07/2015
SGD	0.52	01/08/2012	26/02/2014
SGD	0.68	27/02/2014	27/03/2015
SGD	0.88	28/03/2015	27/07/2015
USD	0.75	14/12/2013	15/01/2014
USD	0.77	16/01/2014	25/06/2015
USD	0.85	26/06/2015	27/07/2015

FromCurrency	ExchangeRate	ExchangeRateDate
EUR	0.74	14/12/2013
EUR	0.74	15/12/2013
EUR	0.74	16/12/2013
EUR	0.74	17/12/2013
EUR	0.74	18/12/2013
EUR	0.74	19/12/2013
EUR	0.74	20/12/2013
EUR	0.74	21/12/2013
EUR	0.74	22/12/2013
EUR	0.74	23/12/2013
EUR	0.74	24/12/2013
EUR	0.74	25/12/2013
EUR	0.74	26/12/2013
EUR	0.74	27/12/2013

TrialBalance						
MonthYear	Company Number	Account Number	Opening	Amount	Closing	
<b>Totals</b>			<b>151000</b>	<b>9000</b>	<b>160000</b>	
Jan 2015	1	1001	10000	1000	11000	
Feb 2015	1	1001	11000	1000	12000	
Mar 2015	1	1001	12000	1000	13000	
Apr 2015	1	1001	13000	-1000	12000	
May 2015	1	1001	12000	1000	13000	
Jun 2015	1	1001	13000	1000	14000	
Jul 2015	1	1001	14000	1000	15000	
Aug 2015	1	1001	15000	1000	16000	
Sep 2015	1	1001	16000	1000	17000	
Oct 2015	1	1001	17000	1000	18000	
Nov 2015	1	1001	18000	1000	19000	

Sales by OrderID and Product				
CustomerID	OrderID	ProductName	Sum(Sale)	
<b>Totals</b>			<b>555</b>	
1	200	Gloves	100	
1	200	Helmet	75	
2	201	Gloves	70	
2	201	Raincoat	50	
2	201	Seat	90	
3	202	Seat	80	
4	203	Mudguard	90	

Range	Count(Value)
<b>Totals</b>	<b>100</b>
less than 10	6
<30	22
<60	27
above 60	45

Range	Count(Value)
<b>Totals</b>	<b>100</b>
above 60	45
<60	27
<30	22
less than 10	6

# Chapter 06: Set Analysis

Set Analysis	
Customer	Sales
<b>Totals</b>	<b>20500</b>
DEF	8500
GHI	12000

Invoiced Sales				
Invoiceno.	DeliveryDate	ShipmentDate	Sales	
<b>Totals</b>			<b>97000</b>	
105	2/3/2015	2/3/2015	25000	
106	3/25/2015	3/21/2015	25000	
107	4/18/2015	4/14/2015	25000	
103	3/3/2015	3/2/2015	12000	
101	1/1/2015	12/29/2014	10000	

Q OntimeLateFlag

1
2
3

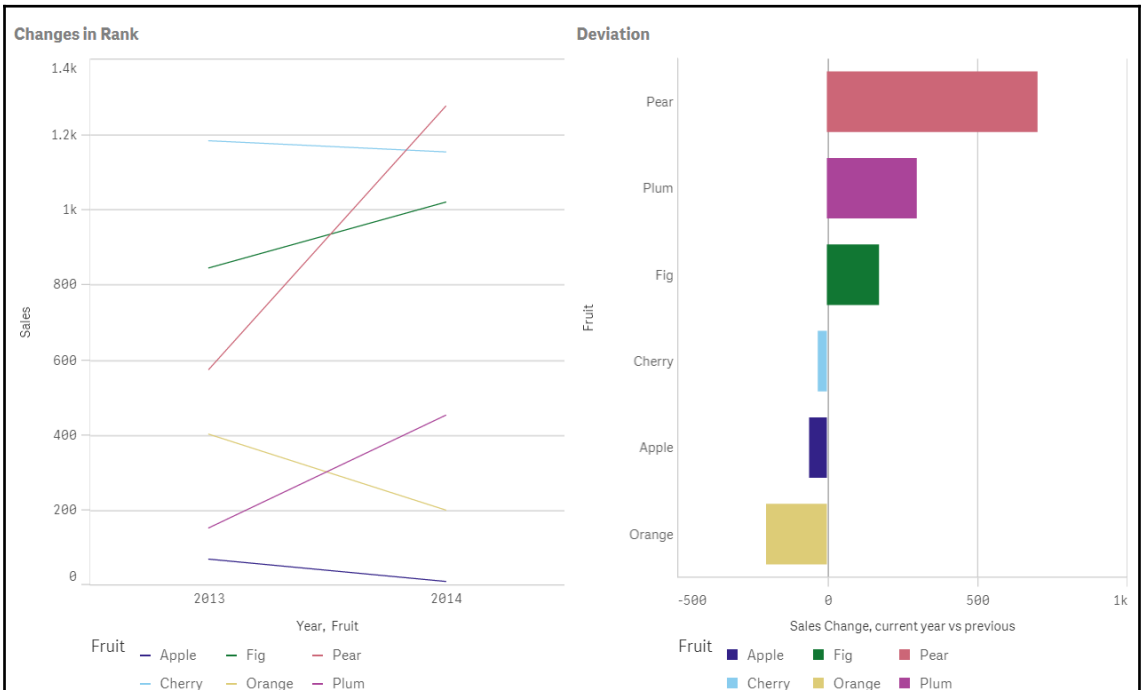
...

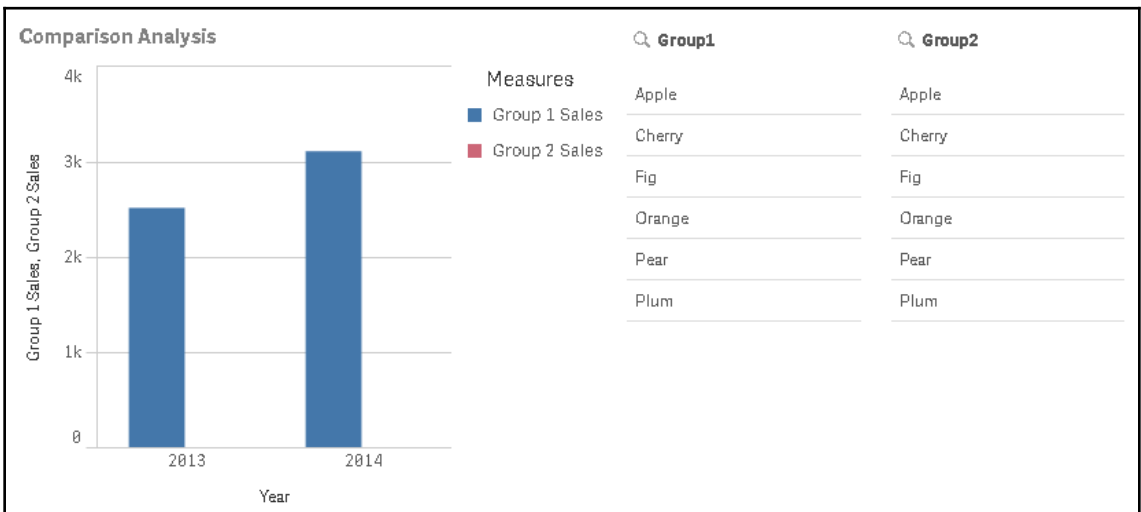
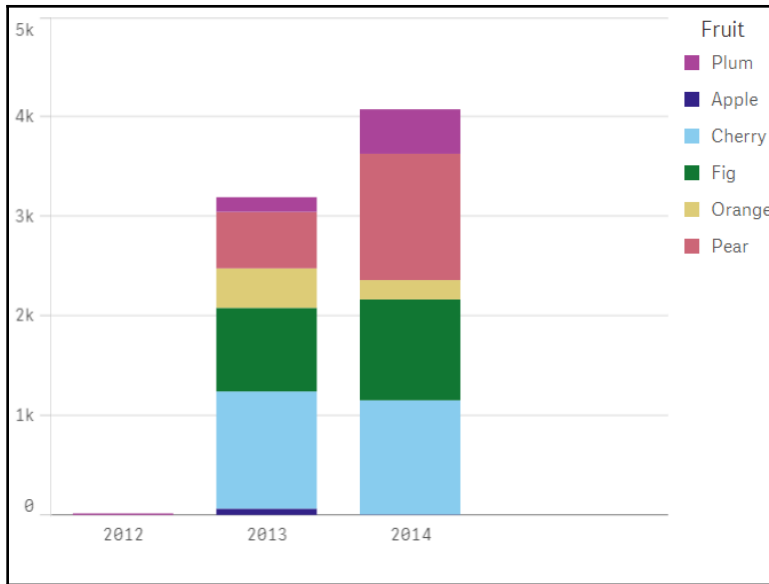
Q Flag

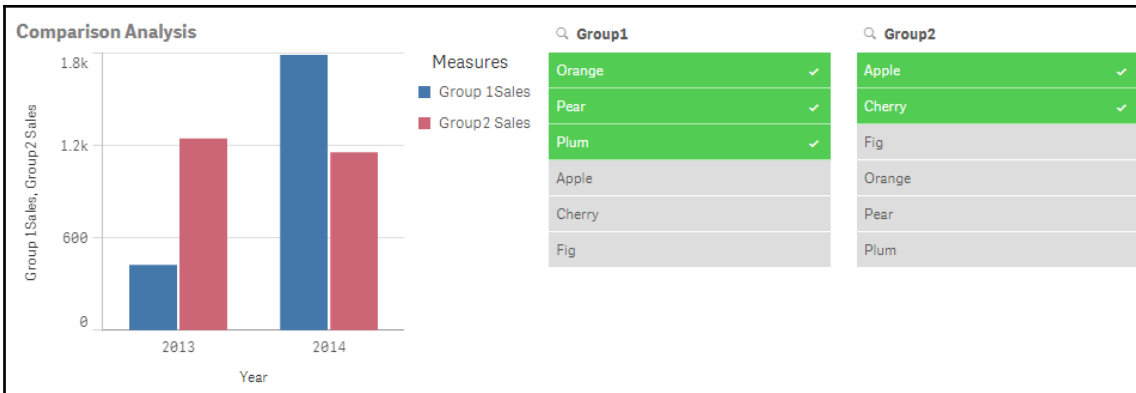
OnTime ✓
SlightDelay
Late

Sales	
Customer	Sales
<b>Totals</b>	<b>5000</b>
GHI	5000

Sales	
Customer	Sales
Totals	0
-	0







ProductType	Total Sales	WTD	Previous WTD	Weekly Variance
<b>Totals</b>	<b>£1,213,426</b>	<b>£640,889</b>	<b>£295,293</b>	<b>53.9%</b>
Premium	£410,761	£218,494	£97,393	55.4%
Standard	£407,902	£209,730	£103,621	50.6%
Discount	£394,763	£212,665	£94,279	55.7%

Select one option below to view the figures

Chart Options	ProductType	Total	WTD	Previous WTD	Weekly Variance
<b>Sales</b> ✓	<b>Totals</b>	<b>£12,739,229</b>	<b>6,609,537</b>	<b>£3,243,454</b>	<b>50.9%</b>
Margin	Discount	£4,278,988	2,218,842	£1,088,209	51.0%
Quantity	Premium	£4,237,879	2,203,479	£1,080,869	50.9%
	Standard	£4,222,362	2,187,216	£1,074,376	50.9%

### Sales

Customer	Sales
<b>Totals</b>	<b>97500</b>
ABC	32000
DEF	50000
GHI	15500

Sales		Q	Sales	Q	ShipmentDate	Q	DeliveryDate
Customer					29/12/2014		24/01/2015
<b>Totals</b>			<b>8500</b>		18/01/2015 ✓		02/02/2015
GHI			8500		24/01/2015 ✓		04/04/2015
					25/01/2015 ✓		01/01/2015

Product Sales			
ProductType	Q	Total Sales	Sub category Sales
<b>Totals</b>		<b>4260</b>	<b>2700</b>
Premium		3000	1800
Standard		1260	900

Possible Sales			
Customer	Q	Month	Sales
<b>Totals</b>			<b>62500</b>
ABC		Mar	12000
ABC		Apr	10000
ABC		Feb	10000
ABC		Jan	10000
GHI		Jan	8500
GHI		Mar	7000
GHI		Jun	5000

Excluded Sales			
Customer	Q	Month	Sales
<b>Totals</b>			<b>75000</b>
DEF		Apr	25000
DEF		Feb	25000
DEF		Mar	25000



Possible Sales			
Customer	Month	Sales	
<b>Totals</b>		<b>20500</b>	
GHI	Jan	8500	
GHI	Jun	5000	
GHI	Mar	7000	

Excluded Sales			
Customer	Month	Sales	
<b>Totals</b>		<b>117000</b>	
ABC	Mar	12000	
ABC	Apr	10000	
ABC	Feb	10000	
ABC	Jan	10000	
DEF	Apr	25000	
DEF	Feb	25000	
DEF	Mar	25000	

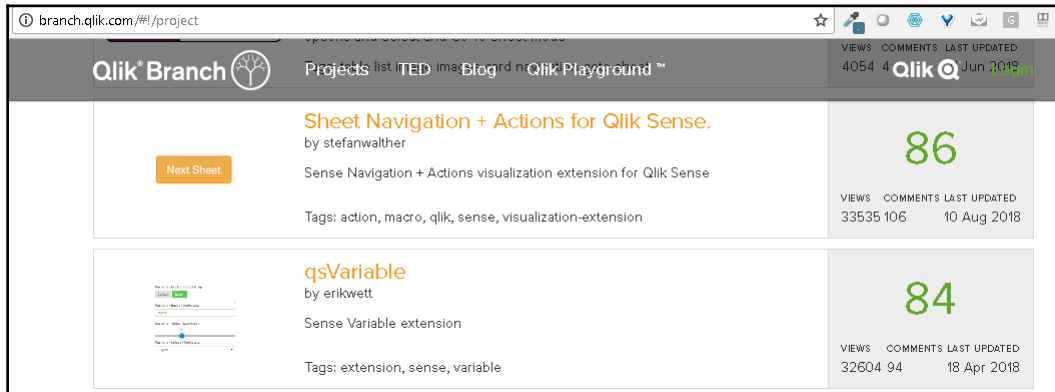
Basket Sales			
BasketInvoiceno	BasketProduct	Sales	
<b>Totals</b>		<b>56000</b>	
101	Apple	10000	
101	Lemon	6000	
101	Orange	5000	
102	Apple	30000	
106	Apple	3000	
106	Orange	2000	

Basket Sales			
BasketInvoiceno	BasketProduct	Sales	
<b>Totals</b>		<b>26.000</b>	
101	Apple	10.000	
101	Lemon	6.000	
101	Orange	5.000	
106	Apple	3.000	
106	Orange	2.000	

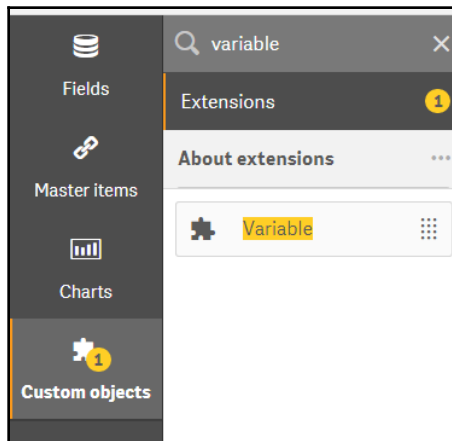
Basket Sales			
BasketInvoiceno	BasketProduct	Sales	
<b>Totals</b>		<b>35000</b>	
102	Apple	30000	
106	Apple	3000	
106	Orange	2000	

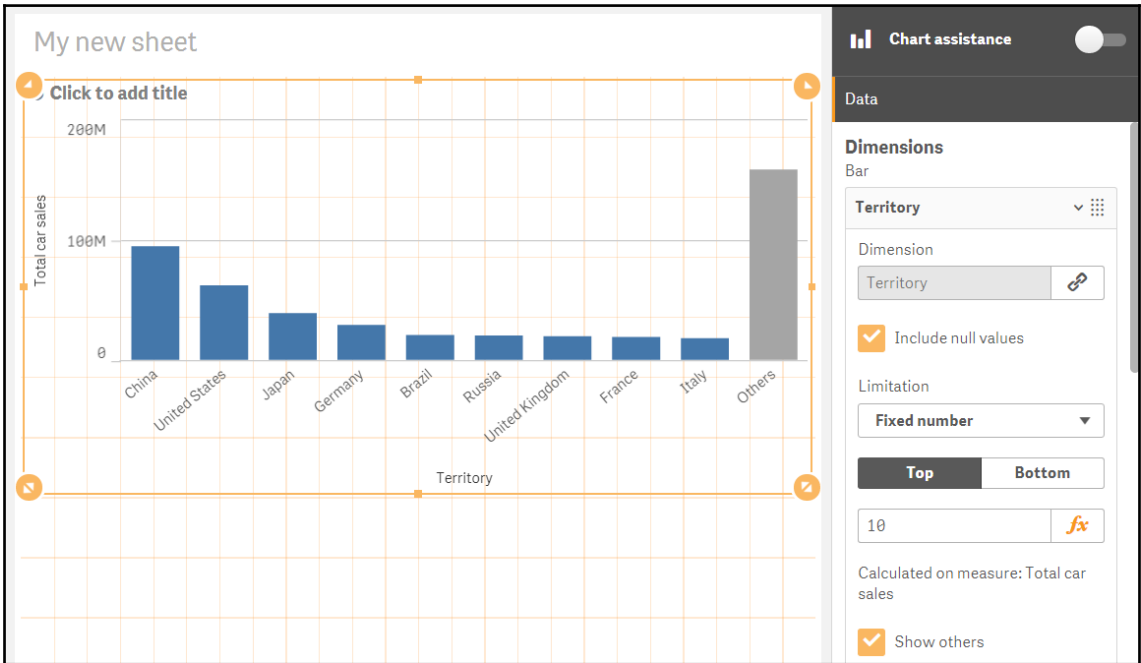
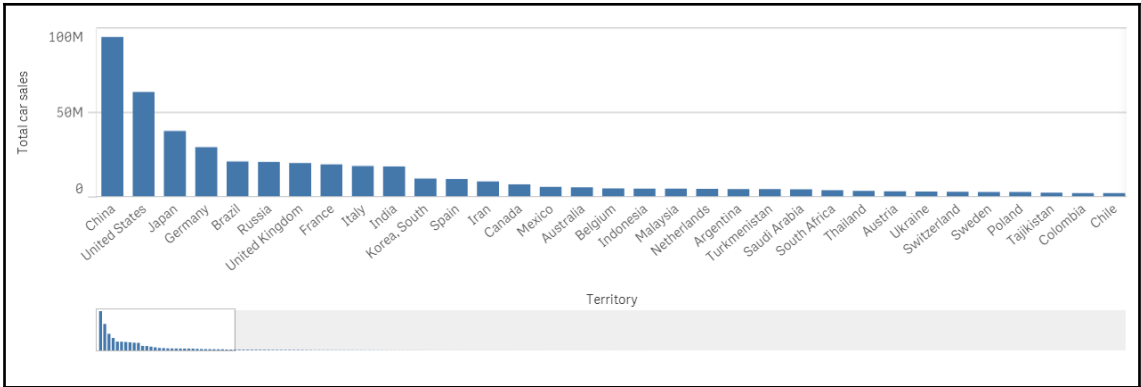


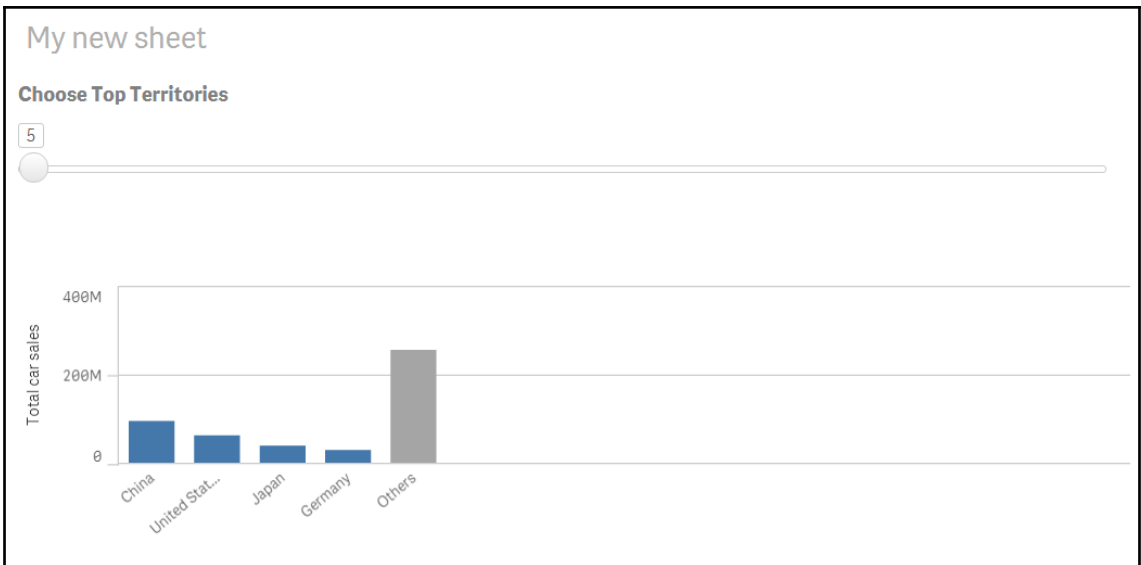
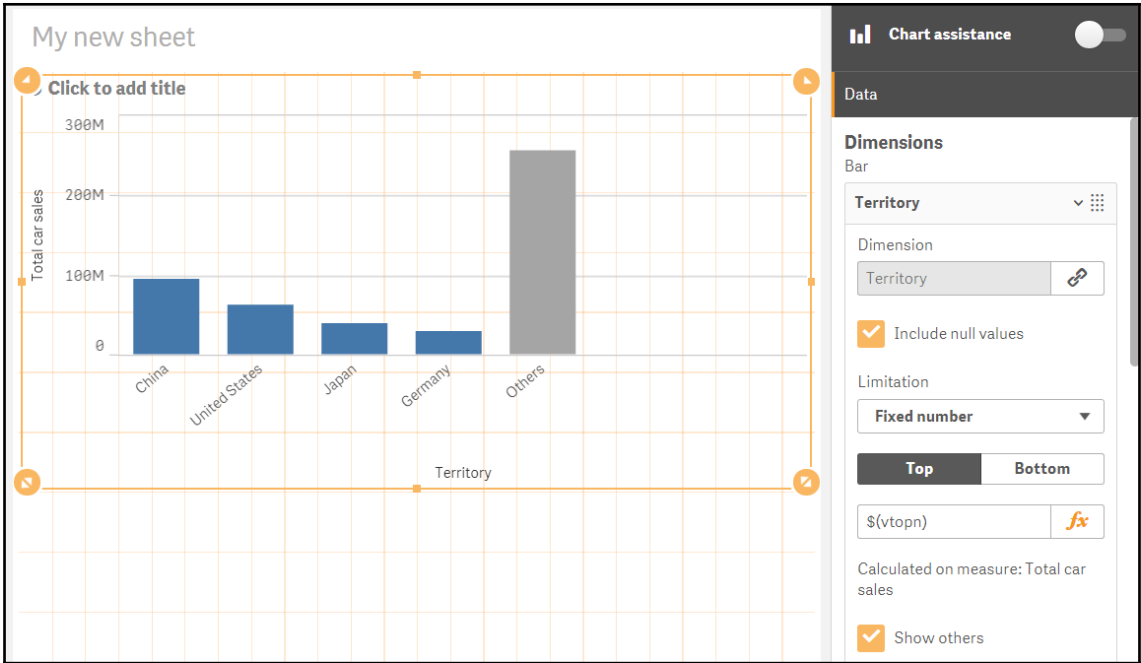
# Chapter 07: Using Extensions in Qlik Sense



**Installation**  
Download distribution zip file from here: <https://github.com/erikwett/qsVariable/raw/master/dist/variable.zip>  
Qlik Sense Desktop: unzip to a directory under [My Documents]\Qlik\Sense\Extensions, for example variable.  
Qlik Sense server: import the zip file in the QMC.







reload button

QlikView Qlik Sense

Showing 1 - 1 of 1 results

**Qlik Sense reload button**  
by mhamano

The reload button for Qlik Sense is an extension which allows you to execute road script by pressing a button placed on a Qlik Sense sheet.

Tags: qlik sense, reload



simple kpi

QlikView Qlik Sense

Follow Us!

Showing 1 - 2 of 2 results

Sort by: Most Popular

**simple kpi**  
by alex.nerush

kpi object

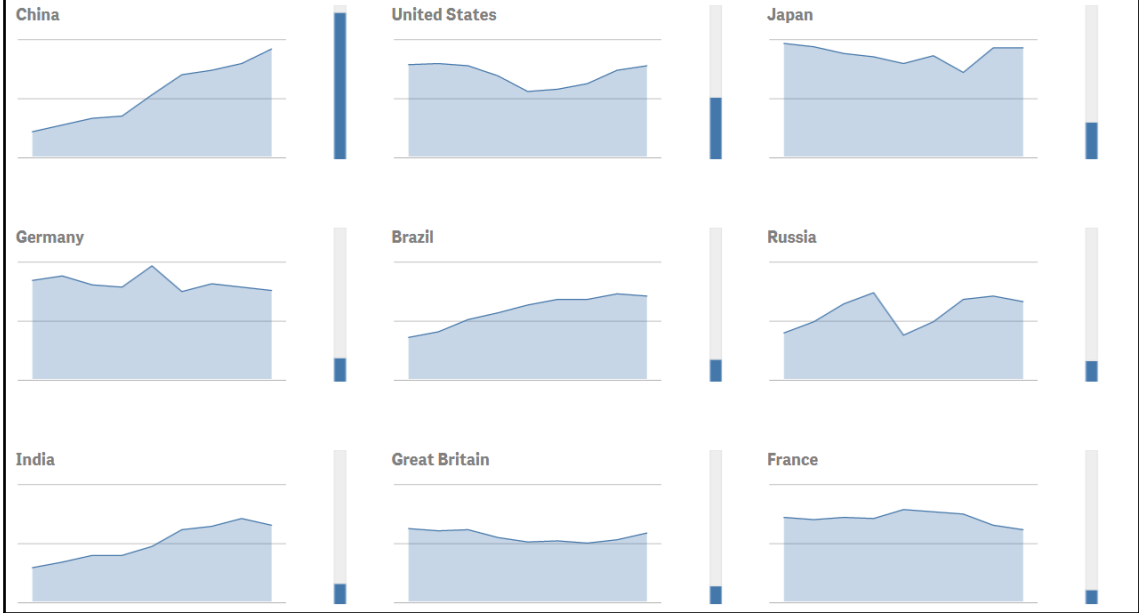
Tags: kpi, extension

**118**

VIEWS COMMENTS LAST UPDATED  
25285 163 11 Jul 2018

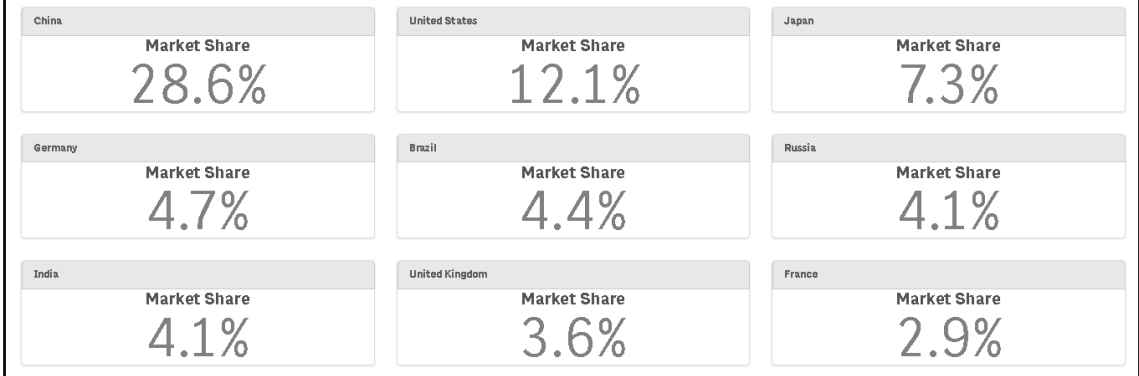
## Country car sales dashboard

The line charts show car sales over time (2005-2013) for the top nine car sales markets in 2013. The gauge shows global market share in 2013.



## Simple KPI Dashboard

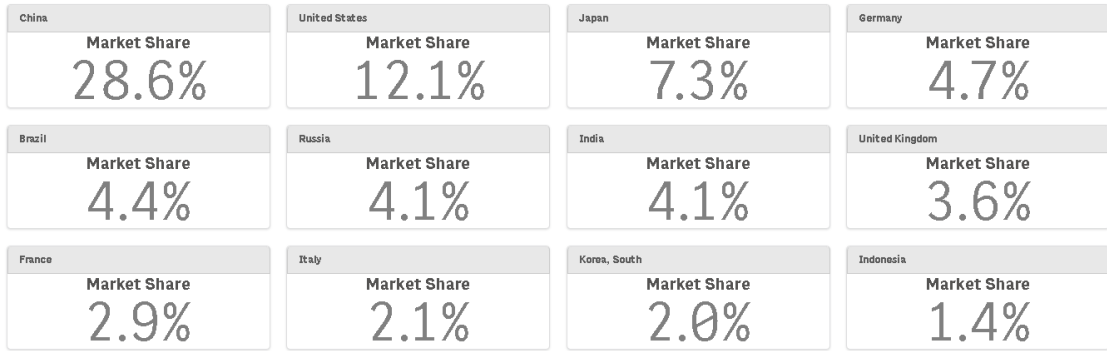
The line charts show car sales over time (2005-2013) for the top nine car sales markets in 2013. The gauge shows global market share in 2013.



## Simple KPI Dashboard



The line charts show car sales over time (2005-2013) for the top nine car sales markets in 2013. The gauge shows global market share in 2013.



showhide container X

ShowHide.Container Container Container by C [QlikView](#) [Qlik Sense](#)

Follow Us!

Showing 1 - 1 of 1 results Sort by: Most Popular



**showhide container**  
by fadyheiba

A **container** that shows or hides master visualizations based on IF conditions.

Tags: show, hide, **showhide**, selector, conditional, qlikview, if

**14**

VIEWS	COMMENTS	LAST UPDATED
4593	46	8 Jul 2018



**Visualizations**

- Car production ...
- Car production ...
- Car sales by reg...
- Car sales by ter...
- Cars % all vehicl...
- Cars % all vehicl...
- Commercial ve...
- Commercial ve...
- Commercial ve...
- Commercial ve...
- Vehicle product...

Variables		Create new
Name	Definition	
view_selector	Sales	New

**Sales and Production Overview**

**Sales** Production

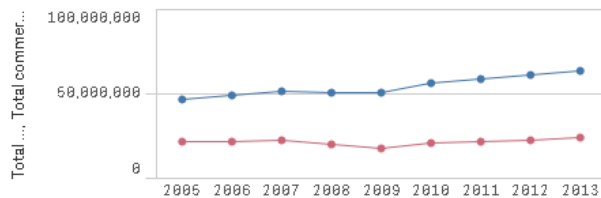
Sales and Production Overview

Sales Production

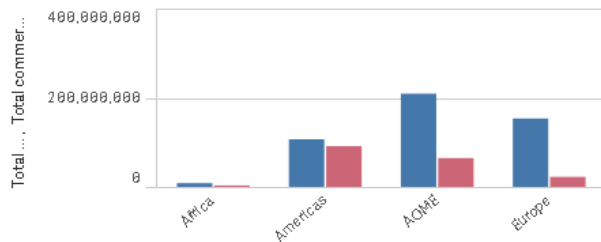
# Sales and Production Overview

**Sales**    Production

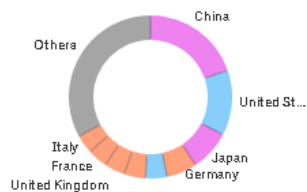
Vehicle sales by year



Vehicle sales by region



Car sales by territory



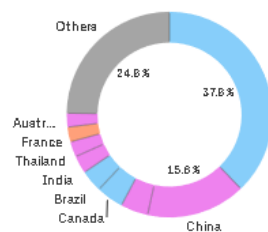
Car sales by...



Cars % all ve...



Commercial vehicle sales b...



Commercial...



---

# Chapter 08: Advanced Aggregation with AGGR

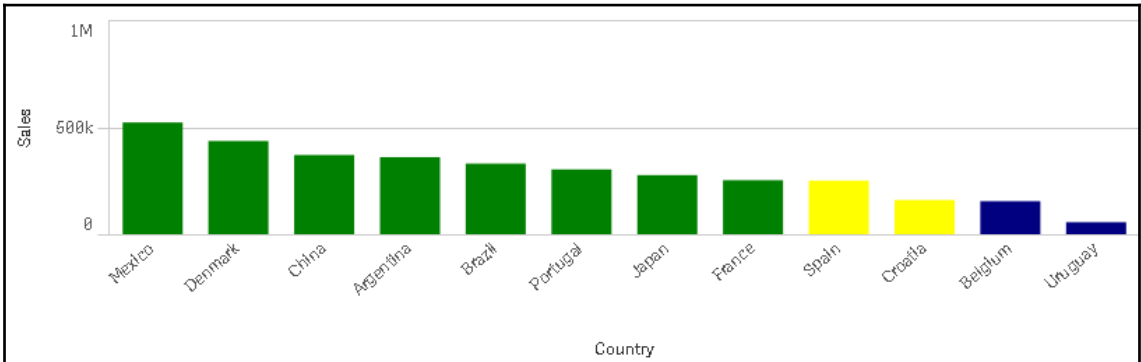
2000	
China	
Country	Sum([No of Customers])
<b>Totals</b>	<b>13400</b>
Argentina	1200
Belgium	700
Brazil	1500
China	2000
Croatia	500
Denmark	1500
France	900
Japan	1200
Mexico	1800
Portugal	1100
Spain	800
Uruguay	200

**Top 5 Customers**  
Mexico,Denmark,China,Argentina,Brazil

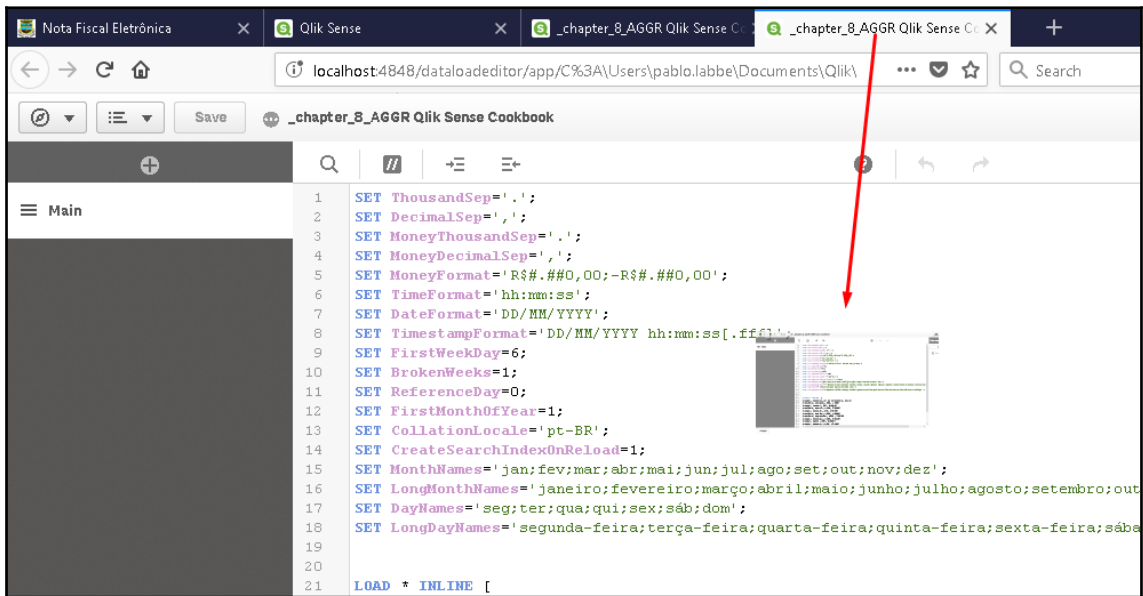
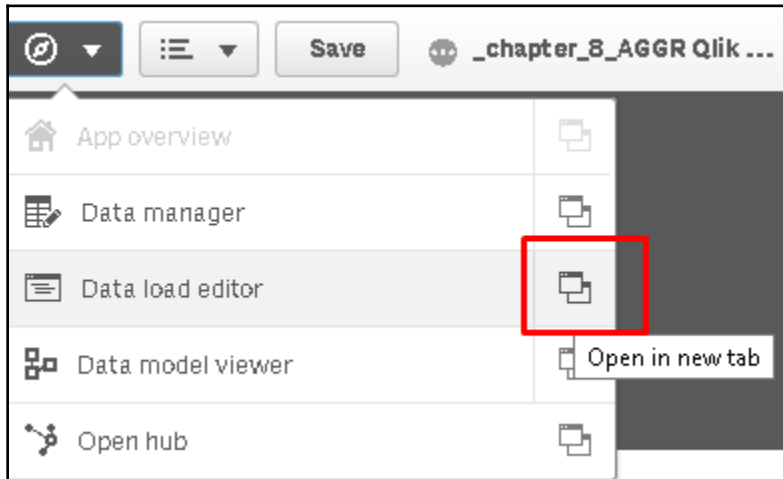
**Top 5 Customers**  
Mexico  
Denmark  
China  
Argentina  
Brazil

Europe Rank		
Country	Region Rank	Global Rank
<b>Totals</b>	<b>6</b>	<b>11</b>
Denmark	1	2
Portugal	2	6
France	3	8
Spain	4	9
Croatia	5	10
Belgium	6	11

ABC Classification	Country	Sales
<b>Totals</b>		<b>3.467.500,00</b>
A	Argentina	360.000,00
A	Brazil	330.000,00
A	China	370.000,00
A	Denmark	435.000,00
A	France	252.000,00
A	Japan	276.000,00
A	Mexico	522.000,00
A	Portugal	302.500,00
B	Croatia	160.000,00
B	Spain	250.000,00



# Chapter 09: Tips and Tricks



```

chapter_8_AGGR Qlik Sense Cookbook
Main
1 SET ThousandSep='.';
2 SET DecimalSep=',';
3 SET MoneyThousandSep='.';
4 SET MoneyDecimalSep=',';
5 SET MoneyFormat='R$#.##0,00;-R$#.##0,00';
6 SET TimeFormat='hh:mm:ss';
7 SET DateFormat='DD/MM/YYYY';
8 SET TimestampFormat='DD/MM/YYYY hh:mm:ss[.fff]';
9 SET FirstWeekDay=6;
10 SET BrokenWeeks=1;
11 SET ReferenceDay=0;
12 SET FirstMonthOfYear=1;
13 SET CollationLocale='pt-BR';
14 SET CreateSearchIndexOnReload=1;
15 SET MonthNames='jan;fev;mar;abr;mai;jun;jul;ago;set;out;nov;d';
16 SET LongMonthNames='janeiro;fevereiro;março;abril;maio;junho;
17 SET DayNames='seg;ter;qua;qui;sex;sáb;dom';
18 SET LongDayNames='segunda-feira;terça-feira;quarta-feira;quin
19
20
21 LOAD * INLINE [
22 Region, Country, No of Customers, Sales
23 Americas, Uruguay, 200, 56000
24 Europe, France, 900, 252000
25 Americas, Brazil, 1500, 330000
26 Europe, Croatia, 500, 160000
27 Americas, Mexico, 1800, 522000
28 Americas, Argentina, 1200, 360000
29 Europe, Portugal, 1100, 302500
30 Europe, Spain, 800, 250000
31 Europe, Denmark, 1500, 435000

```

Product Line	Product Group	Product Sub Group	Year	Sales
<b>Totals</b>				<b>493000</b>
Drink	Beverages	Juice	2014	32000
Drink	Beverages	Juice	2015	24000
Drink	Beverages	Soda	2014	68000
Drink	Beverages	Soda	2015	42000
Drink	Beverages	Water	2014	10000
Drink	Beverages	Water	2015	18000

Product Line	Product Group	Product Sub Group	Year	Sales
<b>Totals</b>				<b>465000</b>
Drink	Beverages	Juice	2014	16000
Drink	Beverages	Juice	2015	12000
Drink	Beverages	Soda	2014	68000
Drink	Beverages	Soda	2015	42000
Drink	Beverages	Water	2014	10000
Drink	Beverages	Water	2015	18000



Product Line	Count([Product Sub Group])	Count(distinct [Product Sub Group])
<b>Totals</b>	<b>18</b>	<b>9</b>
Drink	10	5
Food	12	6

The screenshot shows a data model with two tables: ProductLine and SalesData. ProductLine has a primary key 'Product Group'. SalesData has a foreign key 'Product Group' that references the primary key in ProductLine. Below the model is a preview table for ProductLine.

ProductLine		Preview of data	
Rows	5	Product Group	Product Line
Fields	2	Beverages	Drink
Keys	1	Dairy	Drink
Tags	\$key \$ascii \$text	Dairy	Food
		Produce	Food
		Snacks	Food

Product Line	Count([Product Sub Group])	Count(distinct [Product Sub Group])	Product Sub Group
<b>Totals</b>	<b>18</b>	<b>9</b>	<b>Cheese,Chips,Dips,Juice,Milk,Nuts,Soda,Tofu,Water</b>
Drink	10	5	Cheese,Juice,Milk,Soda,Water
Food	12	6	Cheese,Chips,Dips,Milk,Nuts,Tofu

---

Variables		Create new
Name	Definition	
 fSales	Sum(Sales)	
 vRedColor	RGB(255,0,0)	

Close



**Variables**
Create new

Name	Definition
<div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>New variable</b></span> <span>🗑️ ✎</span> </div>	
<p>Name:</p> <input style="width: 90%;" type="text" value="fCOS"/>	
<p>Definition:</p> <input style="width: 90%;" type="text" value="sum(COS)"/> <span style="float: right; color: orange; font-weight: bold;">fx</span>	
<p>Description:</p> <input style="width: 90%; border: 1px solid #add8e6;" type="text" value="Cost of Sales"/>	
<p>Tags:</p> <input style="width: 90%;" type="text"/> <span style="float: right;">+</span>	

<b>Sales</b>			
Country		Sales	Cost of Sales
<b>Totals</b>		<b>10000</b>	<b>8700</b>
France		3000	2500
Germany		4000	4700
UK		2000	1000
USA		1000	500

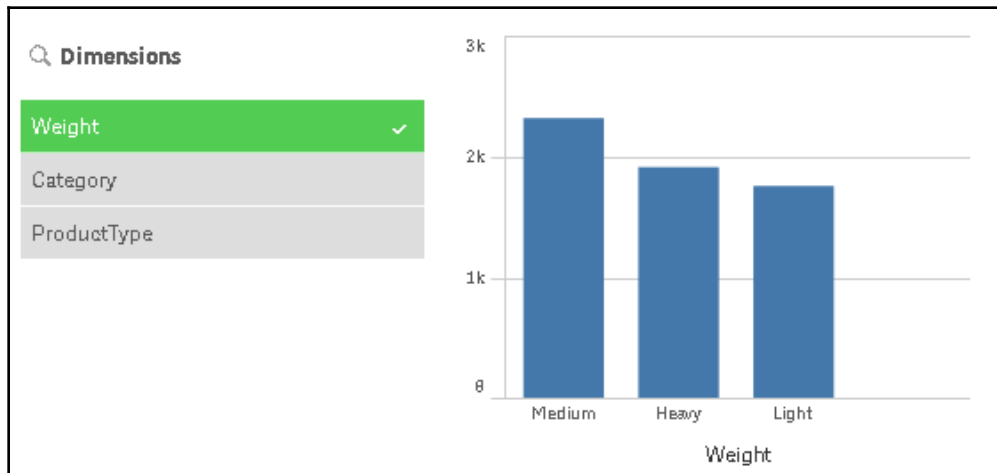
**fSales**

Sum(Sales)




This variable is defined in the script. Use the data load editor to edit the variable.

Name	Definition
fCOS	sum(COS)
fMargin	\$(fSales)-\$(fCOS)
fMargin %	num(\$(fMargin)/ \$(fSales), '0,00 %')
fSales	sum(Sales)
vRedColor	RGB(255,0,0)

Sales					
Country	Sales	Cost of Sales	Margin %	Margin	
<b>Totals</b>	<b>10000</b>	<b>8700</b>	<b>13,00 %</b>	<b>1300</b>	
France	3000	2500	16,67 %	500	
Germany	4000	4700	-17,50 %	-700	
UK	2000	1000	50,00 %	1000	
USA	1000	500	50,00 %	500	



---

**Dimensions**  
▼ =\$(vDimension)   
Field  
=Pick(Match(\$(vDimension)   
*Edit in expression editor*  
Label  
=\$(vDimension)   
 Include null values