

# Chapter 1: 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:\Neeraj\QlikSense cookbook\Chapters\QlikSenseData\ROUTE\_BUS

- Windows integrated security
- Specific user name and password

Username

Password

Test connection

Database

Load

Select database... ▼

Name

QlikSense CookBook OLEDB

Cancel

Create

## Create new connection (folder)

Path

C > Neeraj > QlikSenseData > QlikSenseData >

←

- COMPANY\_CODE.mdb
- publictransport.zip
- ROUTE\_BUS.csv
- ROUTE\_BUS.ldb
- ROUTE\_BUS.mdb
- 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 CookBook OLE DB**   
OLE DB



**QliKSense CookBook Webfile**   
Web file






**Data connections**




Create new connection

Search




**Qlik Sense CookBook Data** ✕  
Folder

**Qlik Sense CookBook ODBC** ✕  
ODBC

**Qlik Sense CookBook OLE DB** ✕  
OLE DB



**Insert connection string**

**Data connections**




Create new connection

Search

**Qlik Sense CookBook Data** ✕  
Folder

**Qlik Sense CookBook ODBC** ✕  
ODBC

**Qlik Sense CookBook OLE DB** ✕  
OLE DB

**Select data**

Select data to load

Preview script

Database

▼

Owner

▼

Selections summary

1 table 17 columns

Tables

Filter tables

- ROUTE 17
- MSysACEs
- MSysObjects
- MSysQueries
- MSysRelationships

Fields

Data preview Metadata

Filter fields

<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_FARE`,
    `LAST_UPDATE_DATE`,
    `LOC_END_NAMEC`,
    `LOC_END_NAMEE`,
    `LOC_END_NAMES`;
```

Include LOAD statement Cancel Insert script

Select data from ROUTE\_GMB.csv

Preview script

File format

Delimited ▼

Field names

Embedded field names ▼

Delimiter

Comma ▼

Quoting

MSQ ▼

Comment

Header size

- 0 +

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 ',', msq);
```

Cancel Insert script

### Select web file

URL

Name

Select data from http://www.csgnetwork.com/liinfotable.html Preview script

Tables

File format: HTML | Field names: No field names | Character set: Western European

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

Fields

<input checked="" type="checkbox"/> @1	<input checked="" type="checkbox"/> @2	<input checked="" type="checkbox"/> @3	<input checked="" type="checkbox"/> @4
Country	Capital	Latitude	Longitude
Afghanistan	Kabul	34°28'N	69°11'W
Albania	Tirane	41°18'N	19°49'E
Algeria	Algiers	36°42'N	03°08'E
American Samoa	Pago Pago	14°16'S	176°43'W

```

LOAD
  @1,
  @2,
  @3,
  @4
FROM [lib://qlikSense Webfile]
(html; codpage is 1252; no-labels; table is @2);
  
```

Computer > OS (C:) > Users > nkharpat > My Documents > Qlik > Sense

File Edit View Tools Help  
 EPSON Easy Photo Print Photo Print

Organize Open Share with Print E-mail Burn New folder

Name	Date modified	Type	Size
Apps	08/05/2015 15:09	File folder	
Buffers	10/09/2014 10:56	File folder	
Content	03/10/2014 10:33	File folder	
CrashDumps	09/05/2015 22:02	File folder	
Exports	01/05/2015 10:21	File folder	
Extensions	09/04/2015 14:05	File folder	
Log	22/05/2015 17:52	File folder	
Tutorials	24/03/2015 12:28	File folder	
QlikSenseBrowser.ini	22/05/2015 17:52	Configuration sett...	1 KB
Settings.ini	15/05/2015 11:36	Configuration sett...	1 KB

Qlik Sense Desktop hub | \*test1 | Data lo...

test1

Load data

Main

```

1 //Binary [C:\Neeraj\Projects\Chain Reaction\Document\Sales-Link.qvw]:
2
3 SET ThousandSep='.';
4 SET DecimalSep='.';
5 SET MoneyThousandSep='.';
6 SET MoneyDecimalSep='.';
7 SET MoneyFormat='€#,##0.00;-€#,##0.00';
8 SET TimeFormat='hh:mm:ss';
9 SET DateFormat='DD/MM/YYYY';
10 SET TimestampFormat='DD/MM/YYYY hh:mm:ss[.fff]';
11 SET MonthNames='Jan;Feb;Mar;Apr;May;Jun;Jul;Aug;Sep;Oct;Nov;Dec';
12 SET DayNames='Mon;Tue;Wed;Thu;Fri;Sat;Sun';
13 SET LongMonthNames='January;February;March;April;May;June;July;August;September;October;November;December';
14 SET LongDayNames='Monday;Tuesday;Wednesday;Thursday;Friday;Saturday;Sunday';
15 SET FirstWeekDay=0;
16 SET BrokenWeeks=1;
17 SET ReferenceDay=0;
18 SET FirstMonthOfYear=1;
19 SET CollationLocale='en-IE';
20
21
22
23
24
25
26
27 DD02L: // tables
28 SQL SELECT TABNAME TABCLASS FROM DD02L
29 where ( TABCLASS = 'TRANSP' or TABCLASS = 'POOL'
30 or TABCLASS = 'CLUSTER' or ( TABCLASS = 'VIEW' and ( VIEWCLASS = 'D' or VIEWCLASS = 'P' ) ) );
31 Store * from DD02L into qvd/DD02L.qvd;
32 drop table DD02L;
33

```

Data connections

Create new connection

Search

QlikSense ODBC ODBC

QlikSense Data Folder

QlikSense OLE DB OLE DB

QlikSense Webfile Web file

Qlik Sense Desktop

Qlik Sense Desktop hub | test1 - My new ... | test1 | Data mo... | \*test1 | Data lo... | Automotive | A... | Automotive | D...

Automotive

Main

Vehicle data

Territory data

Roadways

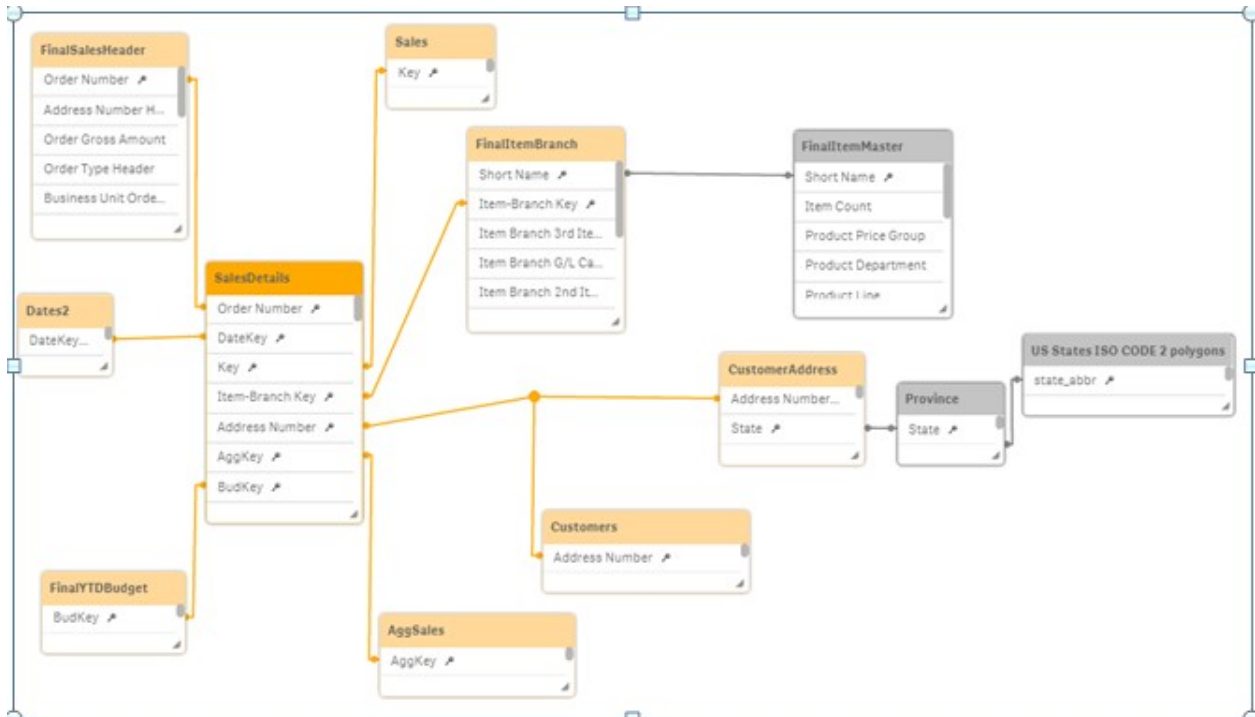
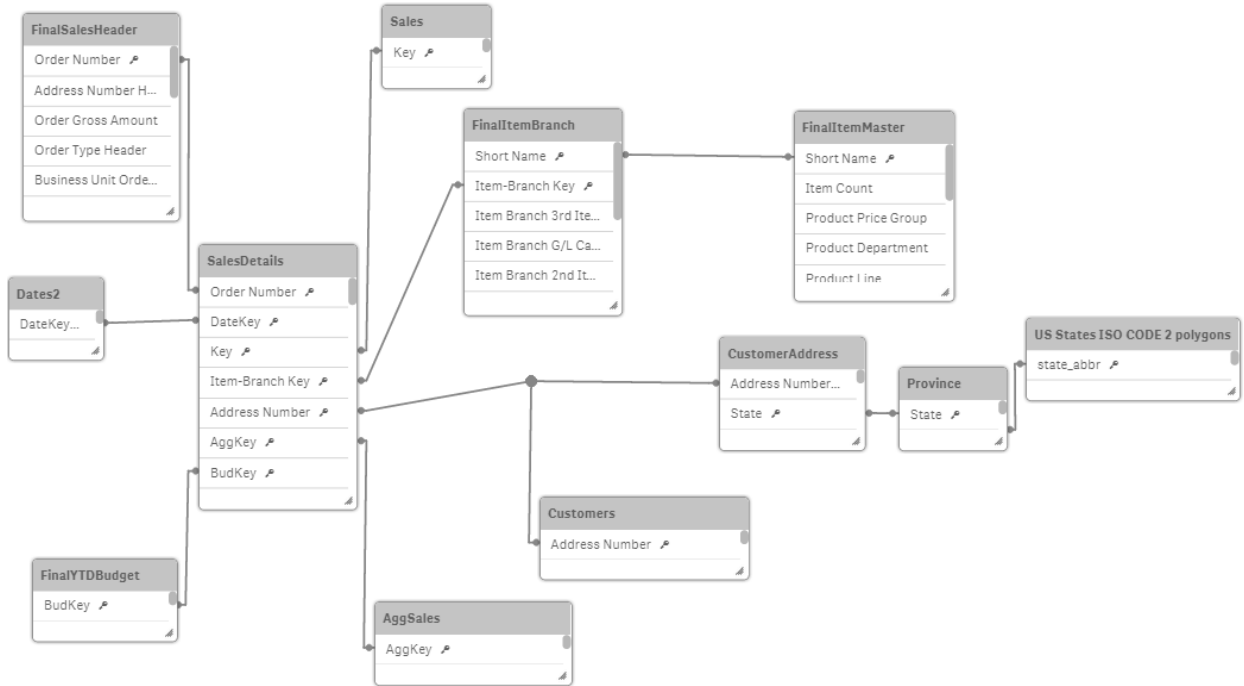
KML

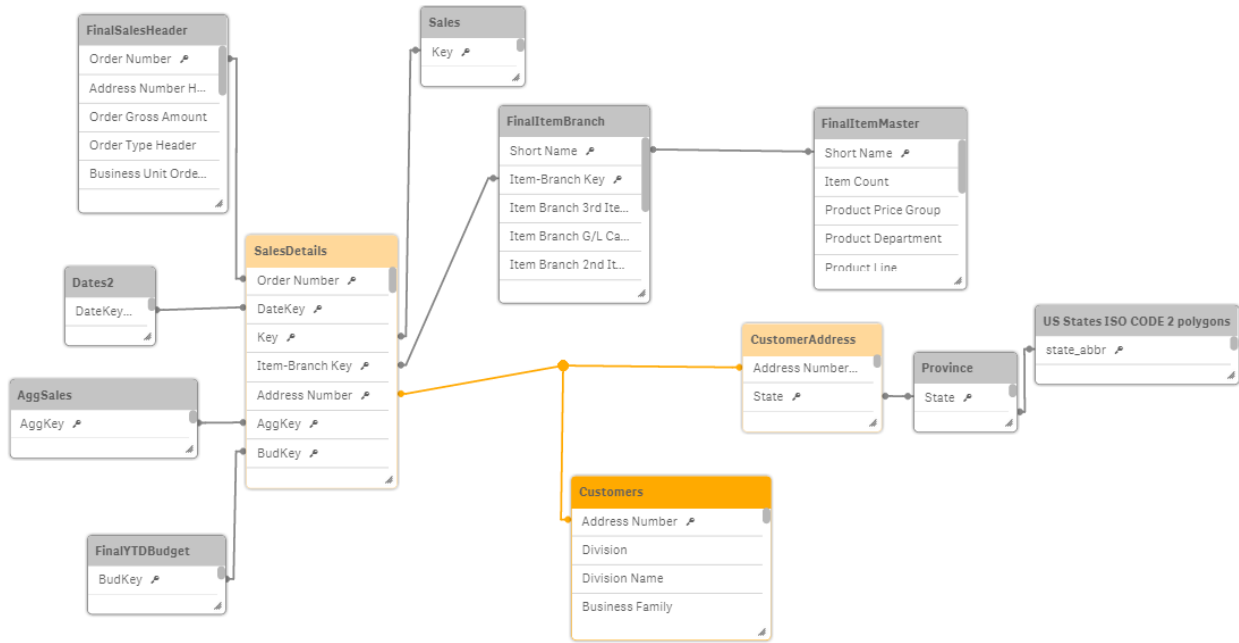
```

1 // Load the territory data
2
3 LOAD
4 "English short name" as Territory,
5 "OICA region",
6 pick match ("OICA region", 'Africa', 'Americas', 'AOME', 'Europe'), 'springgreen', 'lightskyblue',
7 "Trading bloc",
8 "ISO 3166-1 alpha-2",
9 "ISO 3166-1 alpha-3" as [Territory code],
10 "Calling code",
11 "Area (km2)",
12 "Population (2012 or latest)" as Population,
13 "GDP (US$ current)",
14 "Currency name",
15 "Currency code",
16 "Capital city",
17 "BBC country profile",
18 "CIA World Factbook article",
19 "Wikipedia country article"
20 FROM [lib://Data/Data sources/Territories.xlsx]
21 (ooxml, embedded labels, header is 7 lines, table is Territories);

```

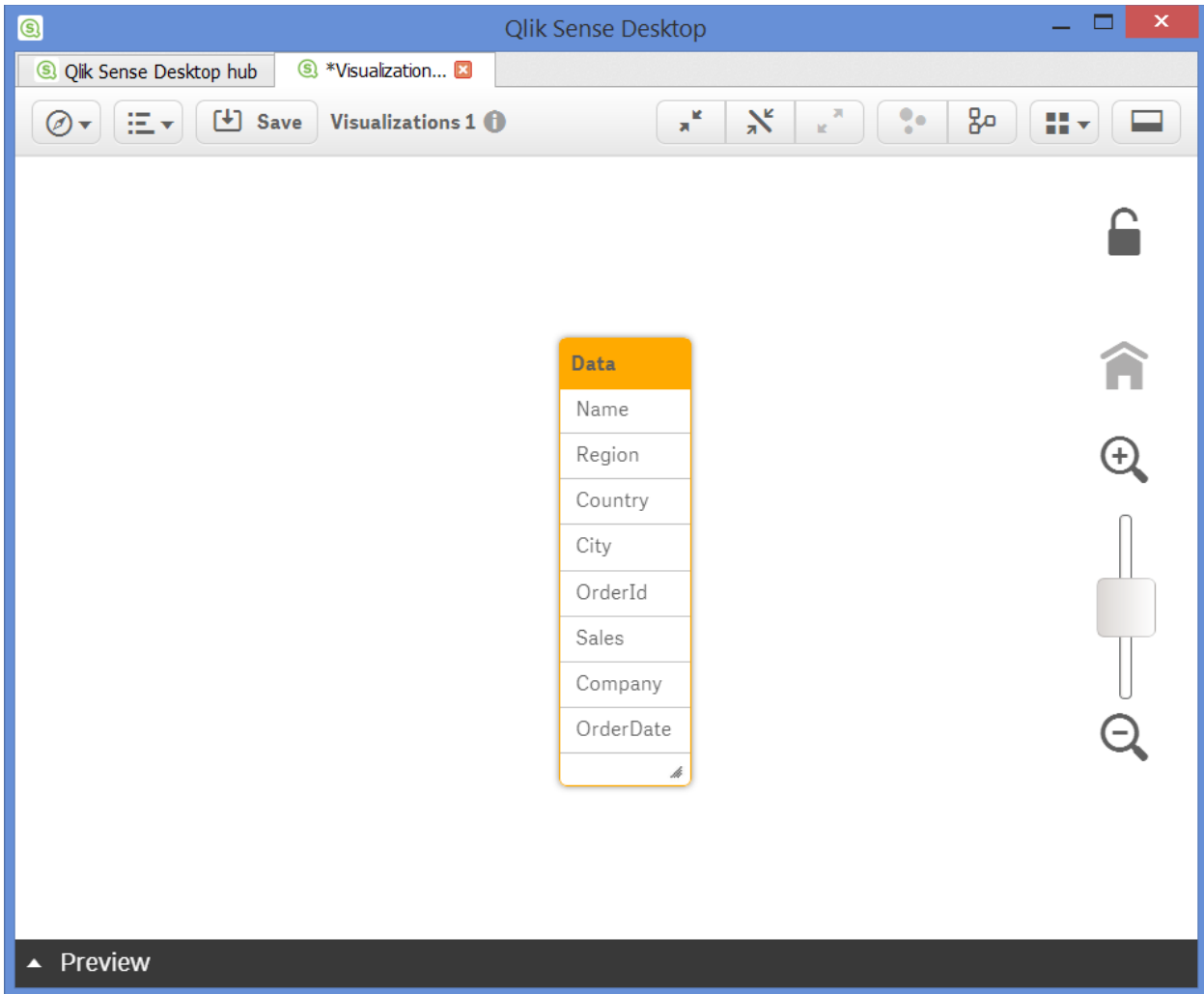






Preview

CustomerAddress		Preview of data									
Rows	688	Address Number	State	Customer Address 1	Customer Address 2	Customer Address 3	Customer Address 4	Zip Code	City	County	Country
Fields	10	10023778	OR	PO Box 70				97123	Hillsboro		US
Keys	2	10025285	TN	2401 East 31st Street	PO Box 72638			37407	Chattanooga		US
Tags:	Skey \$ascii \$stext	10025285	TN	2401 East 31st Street	PO Box 72638			37407	Chattanooga		US
		10016807	KS	Attention Accounts Payable Department	PO Box 12990			66282-2990	Overland Park		US
		10010914	KS	Attention Accounts Payable Department	PO Box 12990			66282-2990	Overland Park		US
		10021911	MS	Cnr Avalon Drv & Tasman Road	PO Box 20077				Te Rapa Hamilton		US
		10021911	MS	Cnr Avalon Drv & Tasman Road	PO Box 20077				Te Rapa Hamilton		US



Qlik Sense Desktop

Qlik Sense Desktop hub \*Visualization...

Visualizations 1

**Data**

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

▼ Preview

Data		Preview of data							
Rows	15	Name	Region	Country	City	OrderId	Sales	Company	OrderDate
Fields	8	Wooten	C	Mozambique	Carmen	1	\$45.55	Est Nunc Laoreet LLC	22/12/14
Tags:	\$ascii \$text \$numeric \$integer \$timestamp \$date	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
		Goddard	H	Curaçao	San Francisco	4	\$86.33	Non Inc.	07/09/14
		Galloway	Aragón	Trinidad & Tobago	Zaragoza	5	\$85.80	Diam Proin.	21/01/15
		Kirsten	Tamil Nadu	Wallis & Futuna	Neyveii	6	\$28.47	Mollis Non Limited	03/05/14
		Holland	Cartago	Falkland Islands	San Diego	7	\$1.34	Ullamcorper Inc.	17/07/14

▼ Preview

**Add as dimension**

**Add as measure**

**Region**

Density	100%
Subset ratio	100%
Total distinct values	6
Present distinct values	6
Non-null values	6
Tags	\$text

## Create new dimensions

Single  Drill-down

Show fields from:

All tables ▾

🔍 Search

City

Company

Country

Name

OrderDate

OrderId

Region

Sales

Field:

Sales ✕ *fx*

Name:

Sales

Description:

Tags:

 +

Add dimension

Done

## Create new measure

Expression:

SUM(Sales)

*fx*

Fields

Show fields from:

**All tables** ▼

All fields
City
Company
Country
Name
OrderDate

## Create new dimensions

Single  Drill-down

Show fields from:

All tables ▾

Search
City
Company
Country
Name
OrderDate
OrderId
Region
Sales

Field:

Country ✕ *fx*

Name:

Country

Description:

Tags:

 +

Add dimension

Done

Master items

geo

Dimensions 2

Create new

Area

Country

## Using a Master Library

Click to add title

Add "Country"

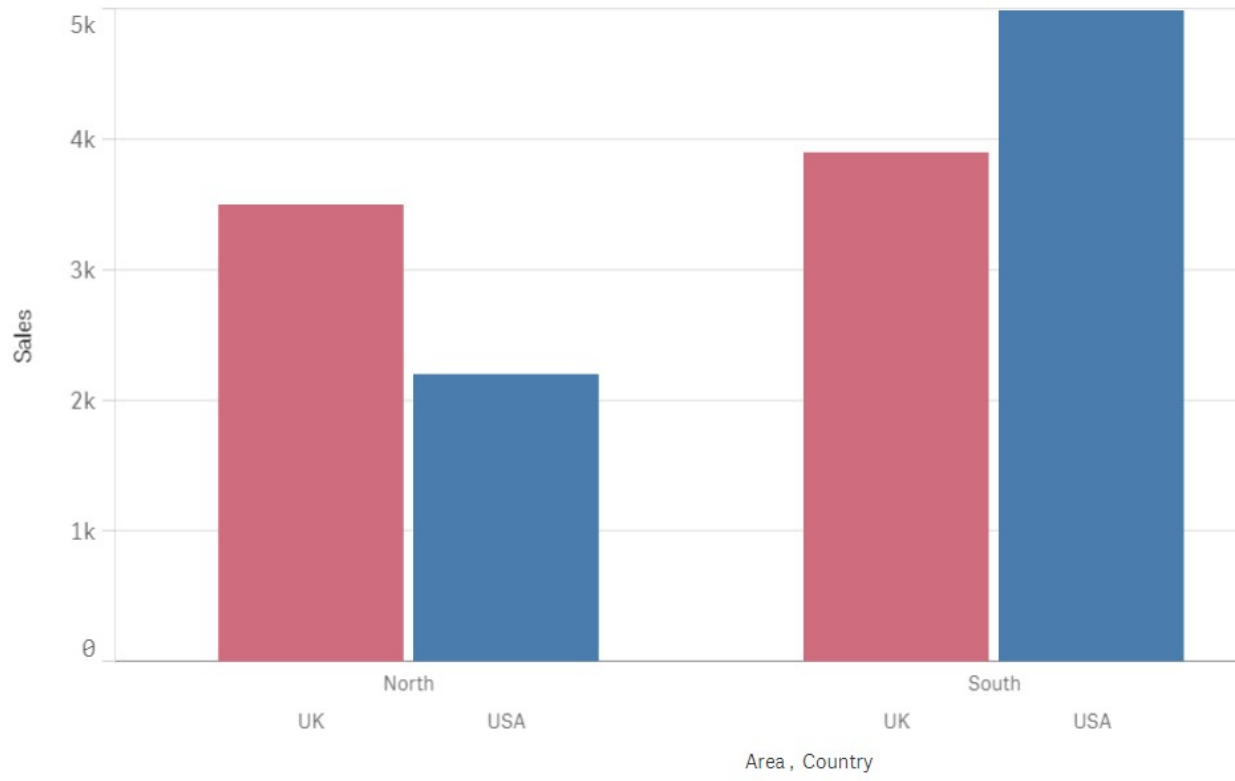
Replace "Area" Add "Country"

Cancel

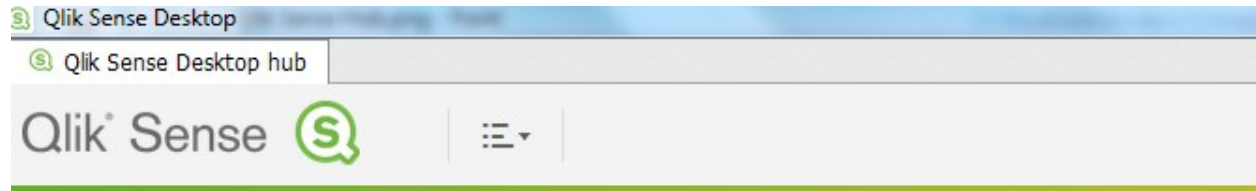


## Using a Master Library

### Sales



# Chapter 2: Visualizations



Qlik Sense Desktop hub



20152803\_Qlik sense\_...



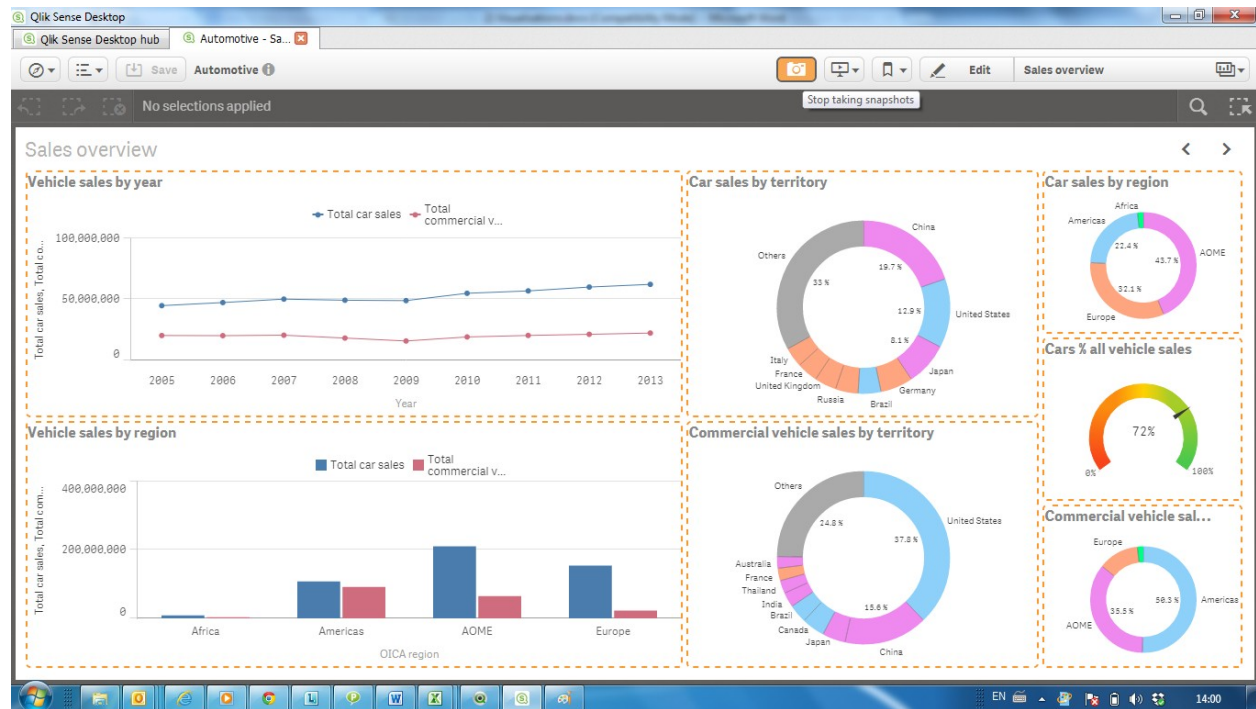
Automotive





db connectivity





Executive Dashboard




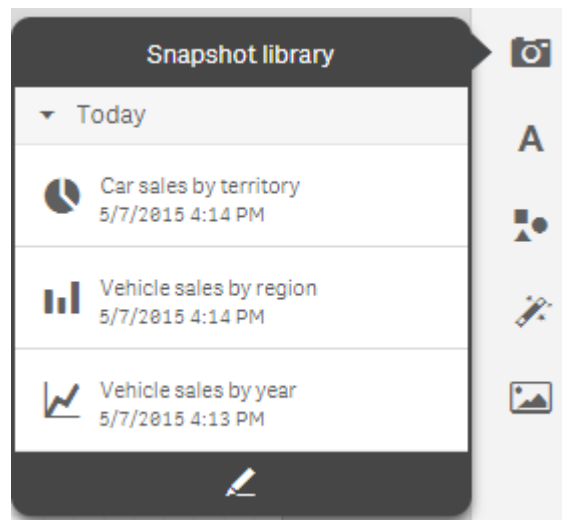
 Snapshot Library

 Text Library

 Shape Library

 Effect Library

 Media Library

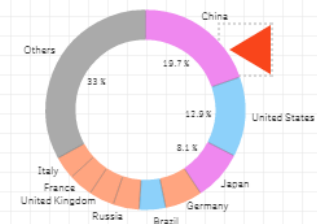


## Sales by Region and Territory

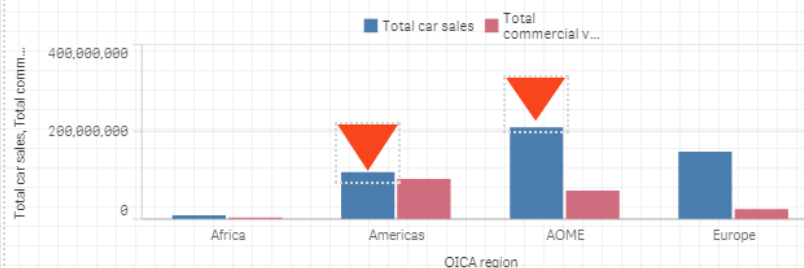
AOME region has the highest number of total car sales while if we consider commercial vehicles, Americas leads the way.

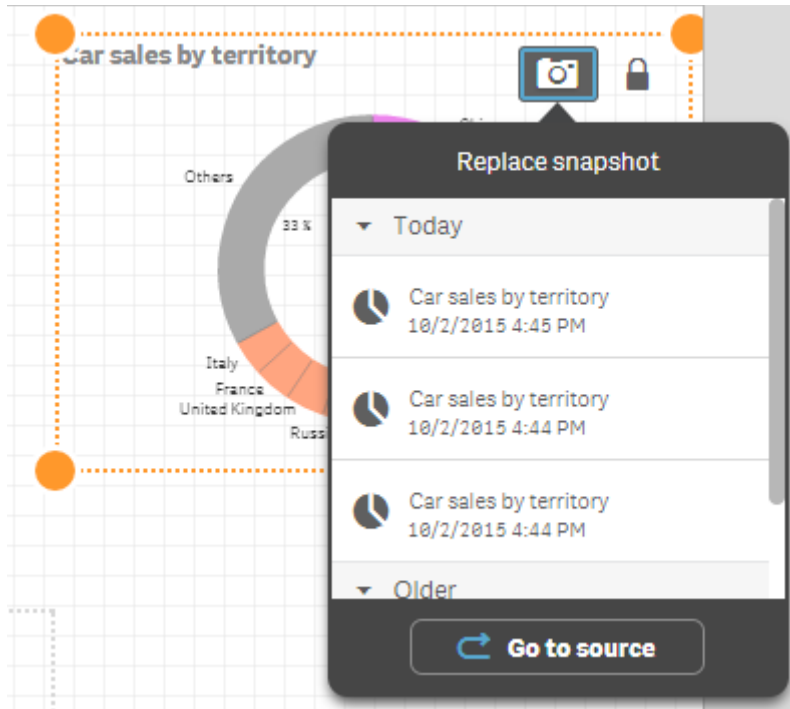
China is the biggest market for cars followed by United states. There is very little comparison amongst the volume of sales for european nations Italy France and United Kingdom

Car sales by territory

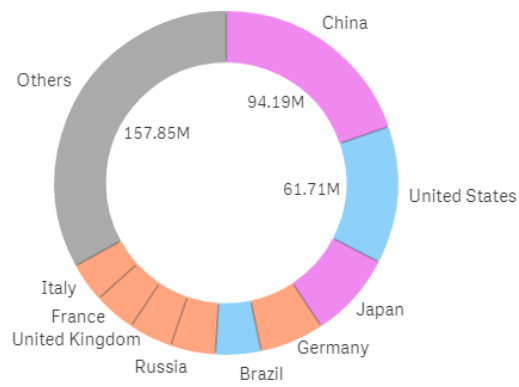


Vehicle sales by region





### Car sales by territory



**Car sales by territory**

Show titles  **On**

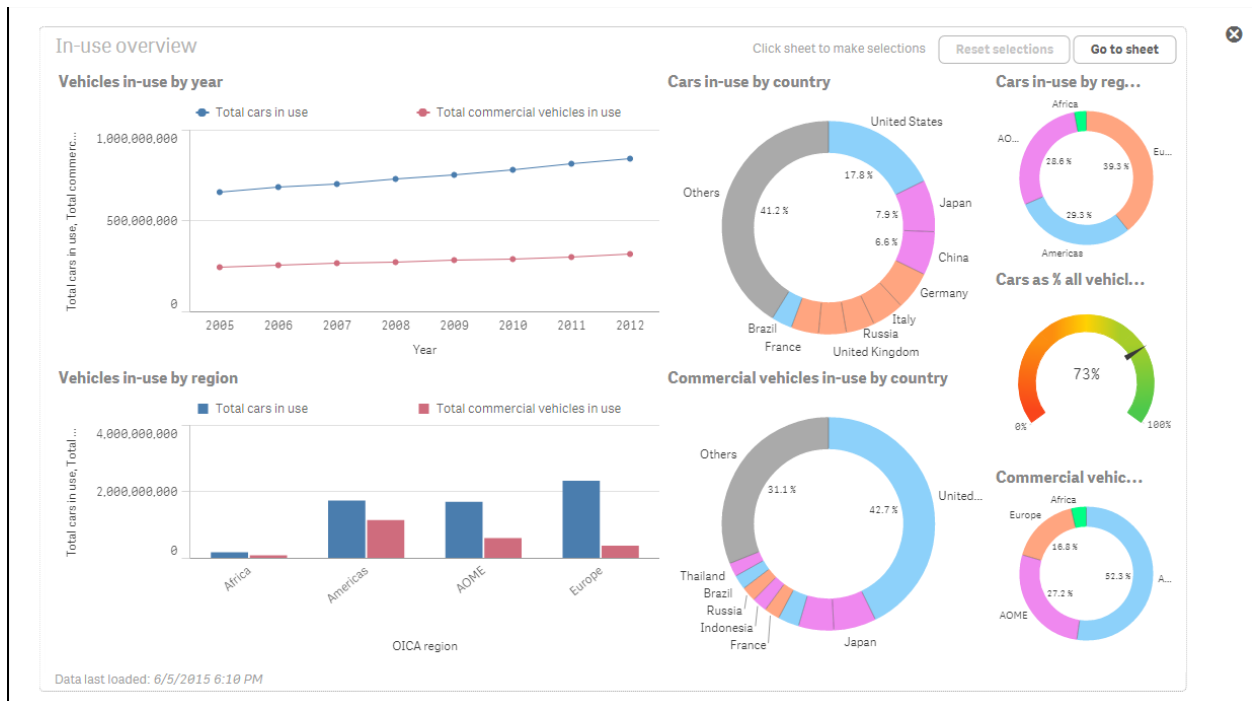
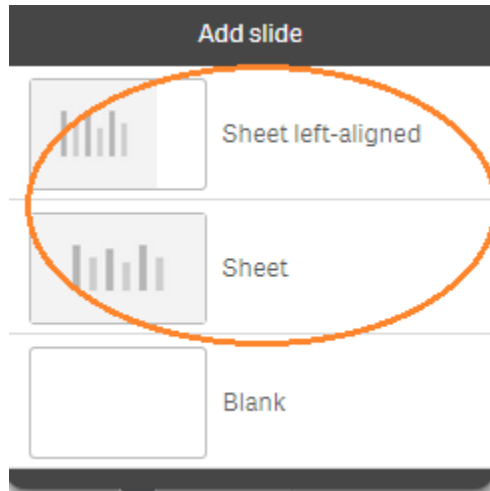
Dimension label  **Off**

Value labels  **Custom**

Values

Show legend  **Off**

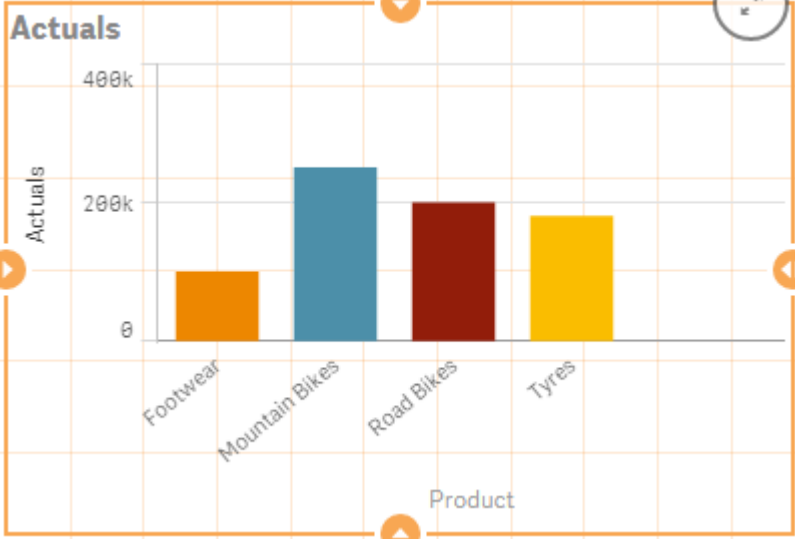
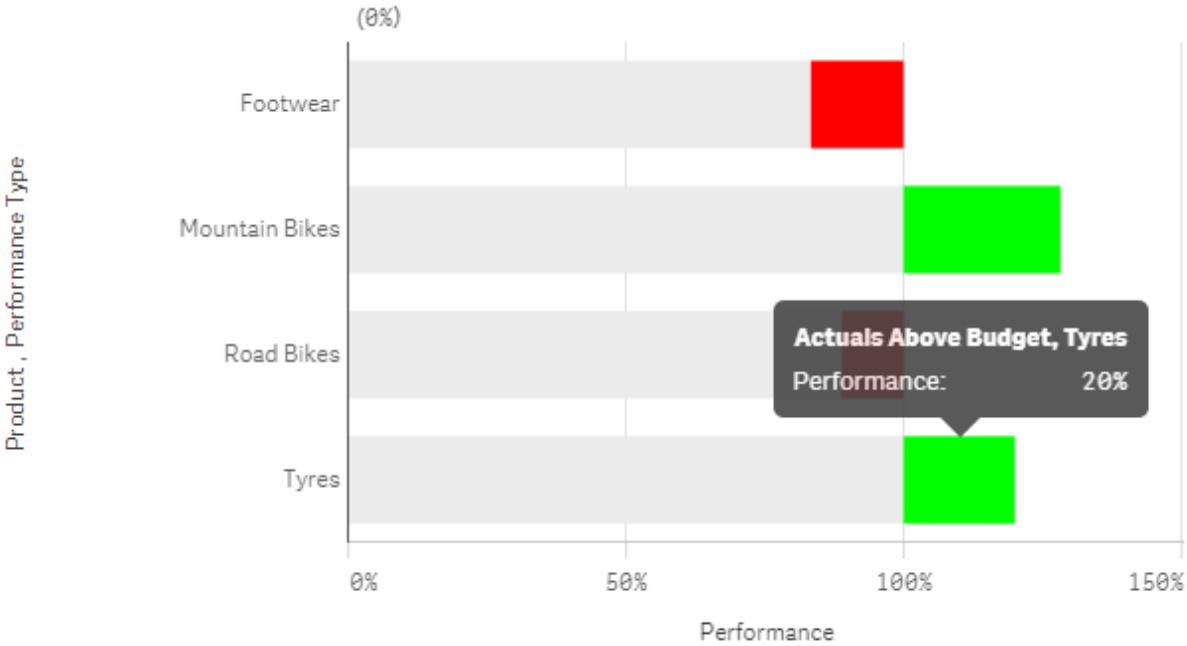
Done



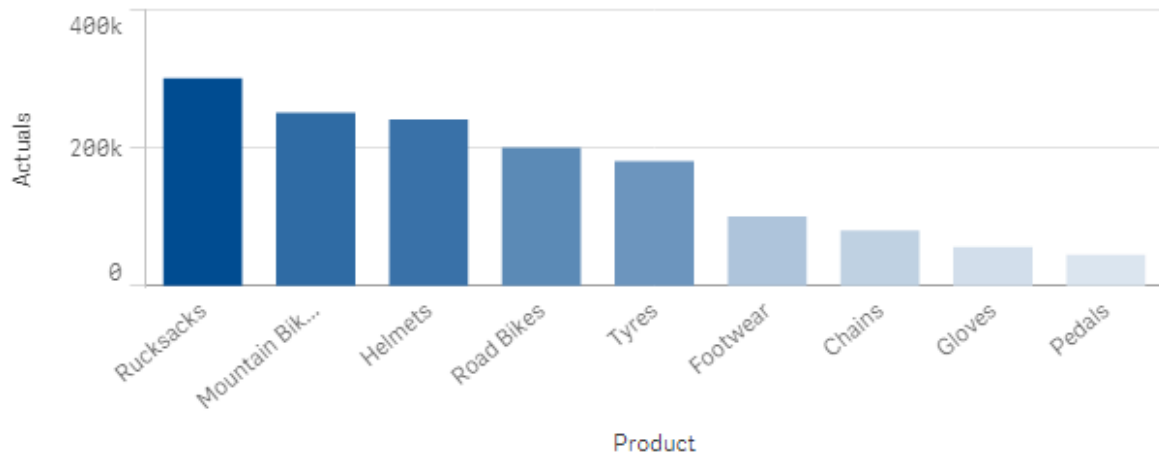
# My new sheet



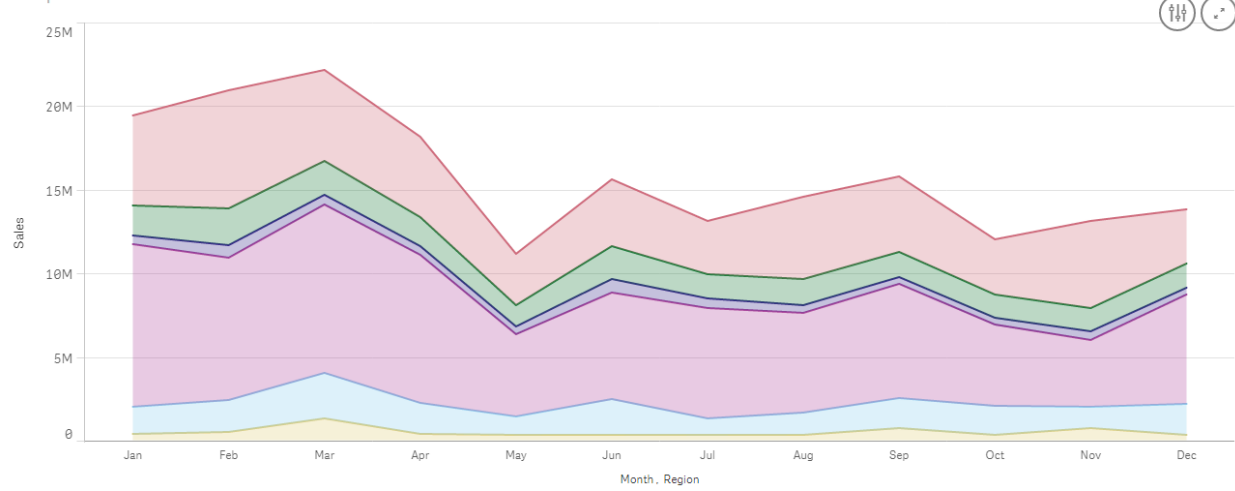
## Product Performance



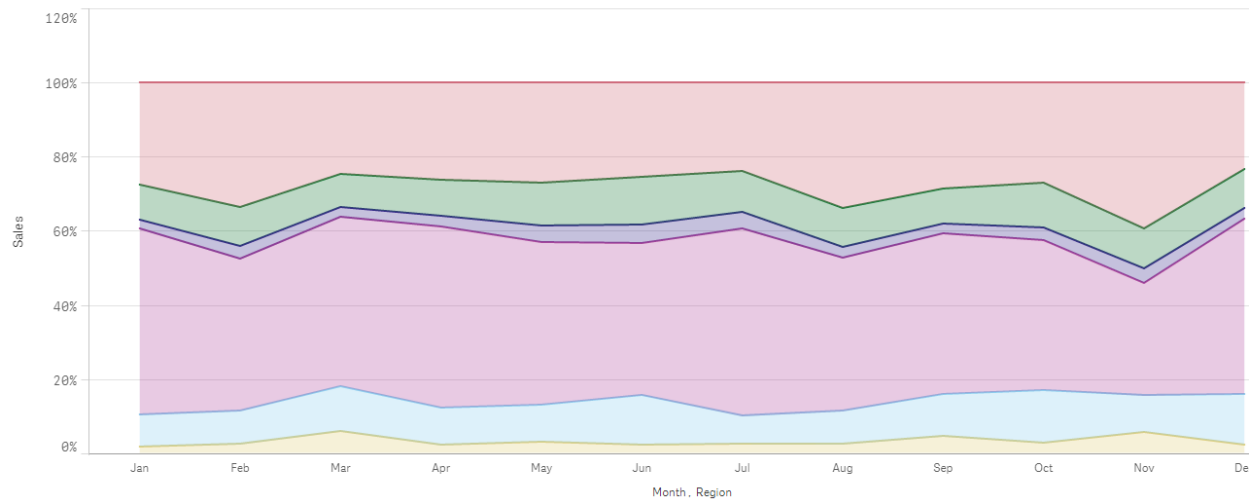
## Actuals

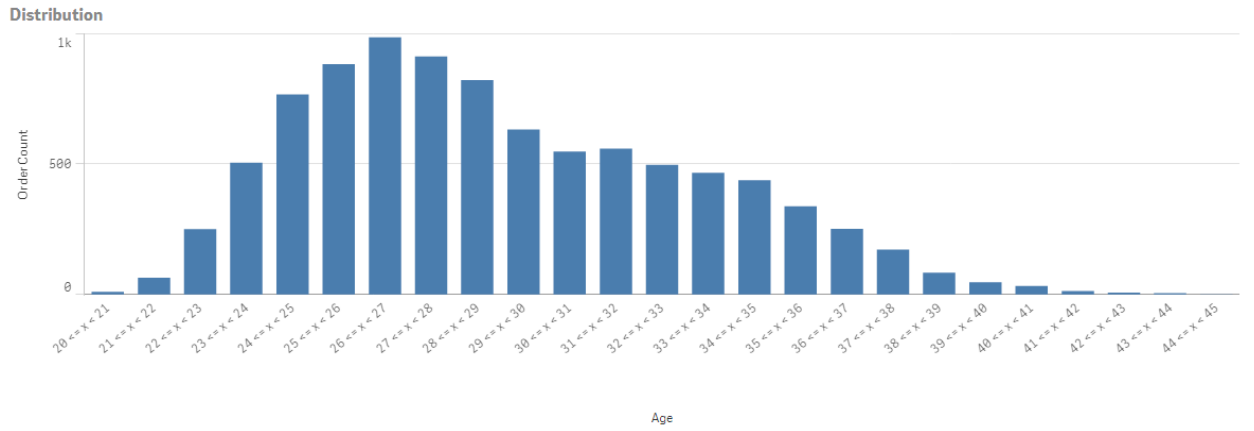
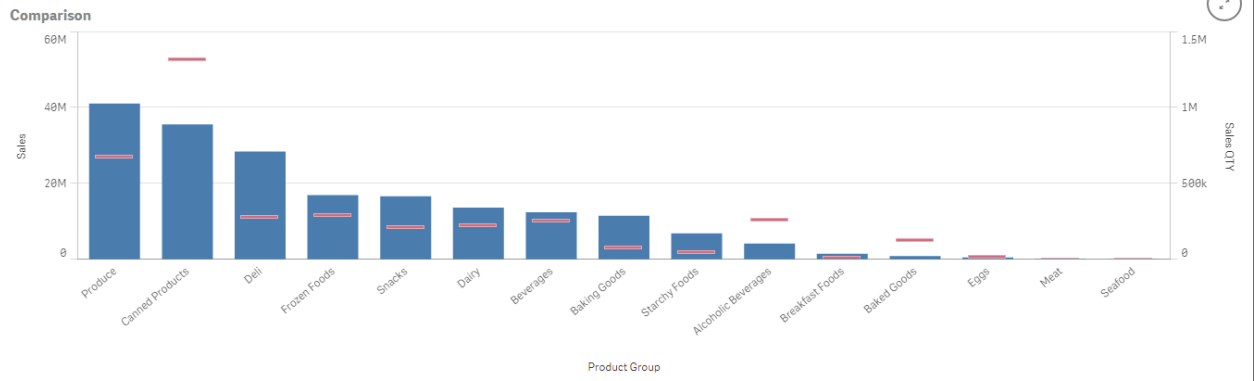
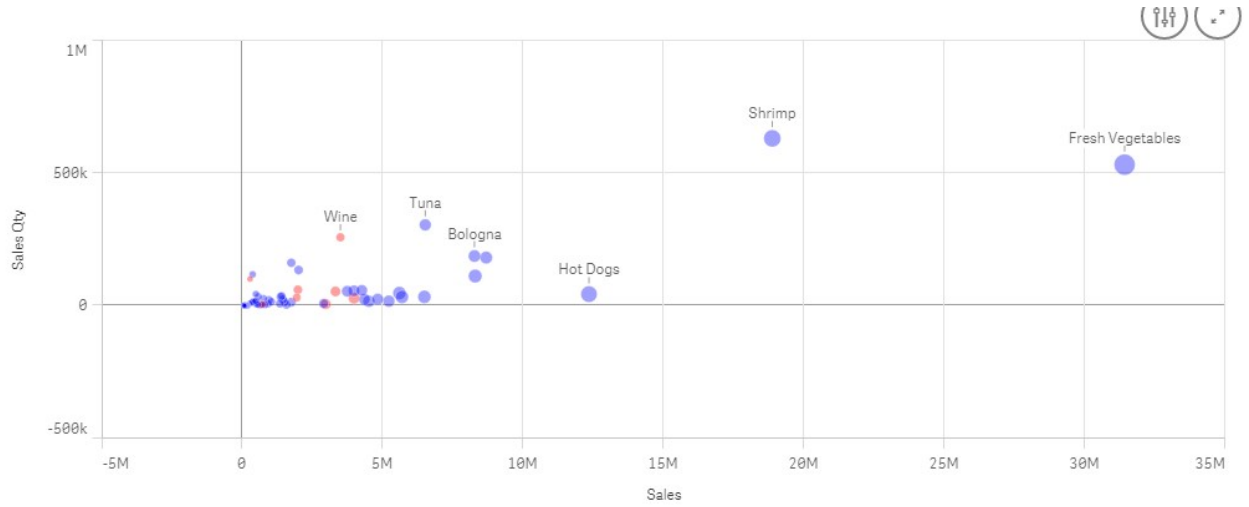


## Composition



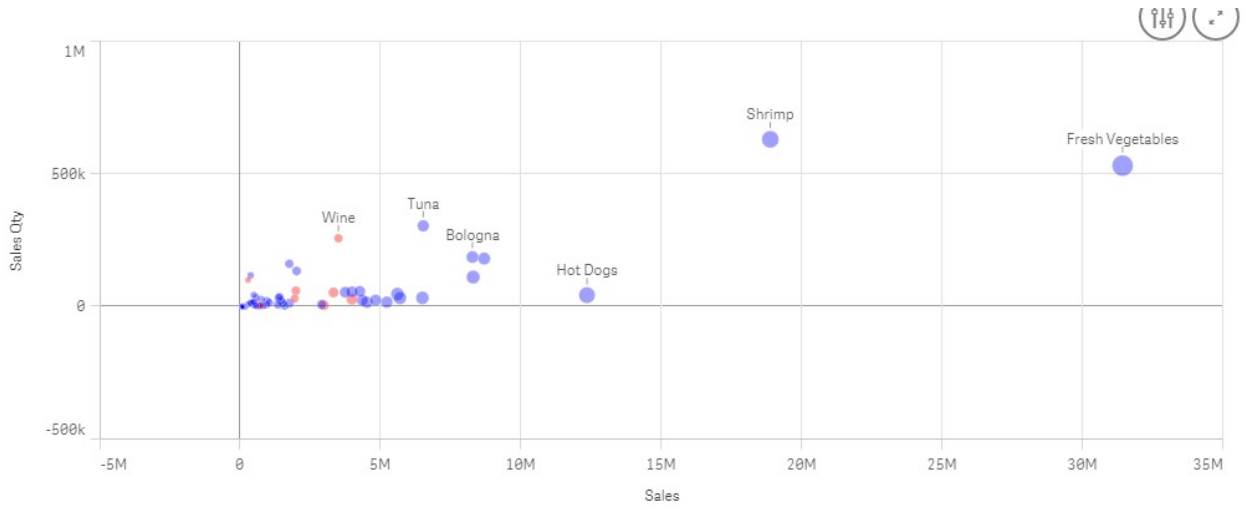
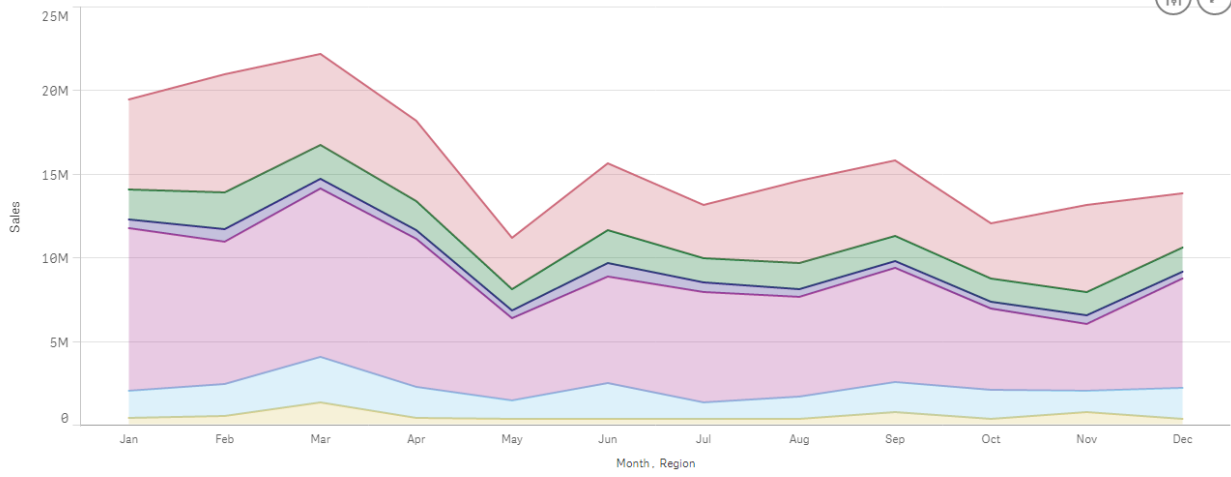
## Composition



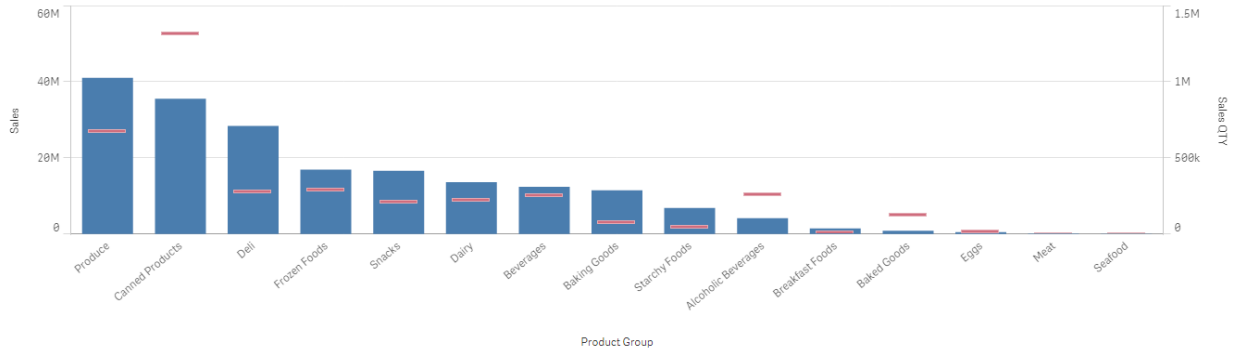




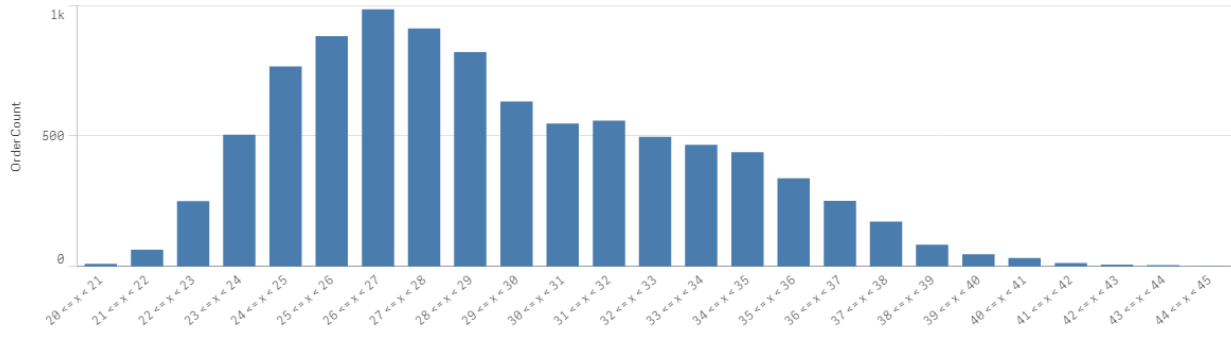
### Composition



### Comparison

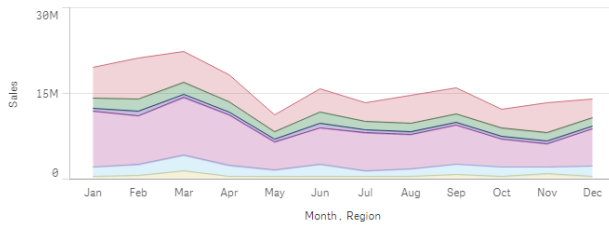


### Distribution

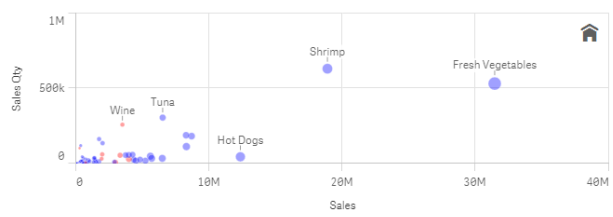


### Age

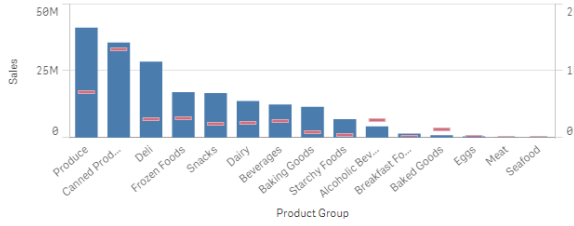
### Composition



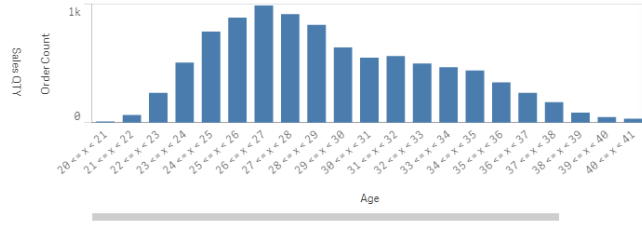
### Relationship



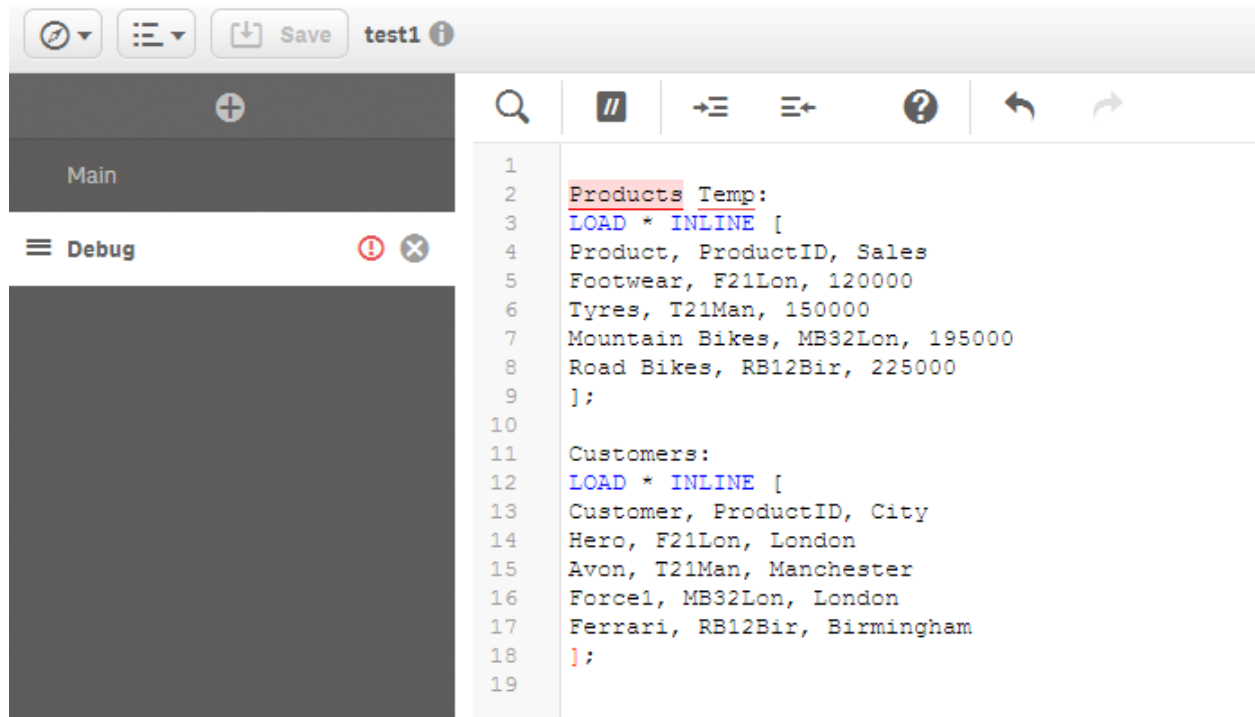
### Comparison



### Distribution



## Chapter 3: Scripting



The screenshot shows a SQL script editor interface. At the top, there is a toolbar with icons for search, a dropdown menu, a 'Save' button, and the text 'test1'. Below the toolbar is a dark sidebar with a '+' icon, the text 'Main', and a 'Debug' section with a red warning icon and a close button. The main area displays a SQL script with line numbers 1 through 19. The script contains two sections: 'Products Temp' and 'Customers'. The 'Products Temp' section uses a 'LOAD \* INLINE' statement to load product data. The 'Customers' section also uses a 'LOAD \* INLINE' statement to load customer data.

```
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...

test1

```

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 Products Temp:
14 LOAD * INLINE [
15 Product, ProductID, Sales
16 Footwear, F21Lon, 120000
17 Tyres, T21Man, 150000
18 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...
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 ←

```
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 ]:
```

Limited load 10 ▶▶■

🔒 ⋮

Variables ⋮

- ▼ Favorites
- ▼ All variables

Breakpoints ⋮

- Debug: 1 ⊗
- Debug: 12 ⊗

### Edit connection (folder)

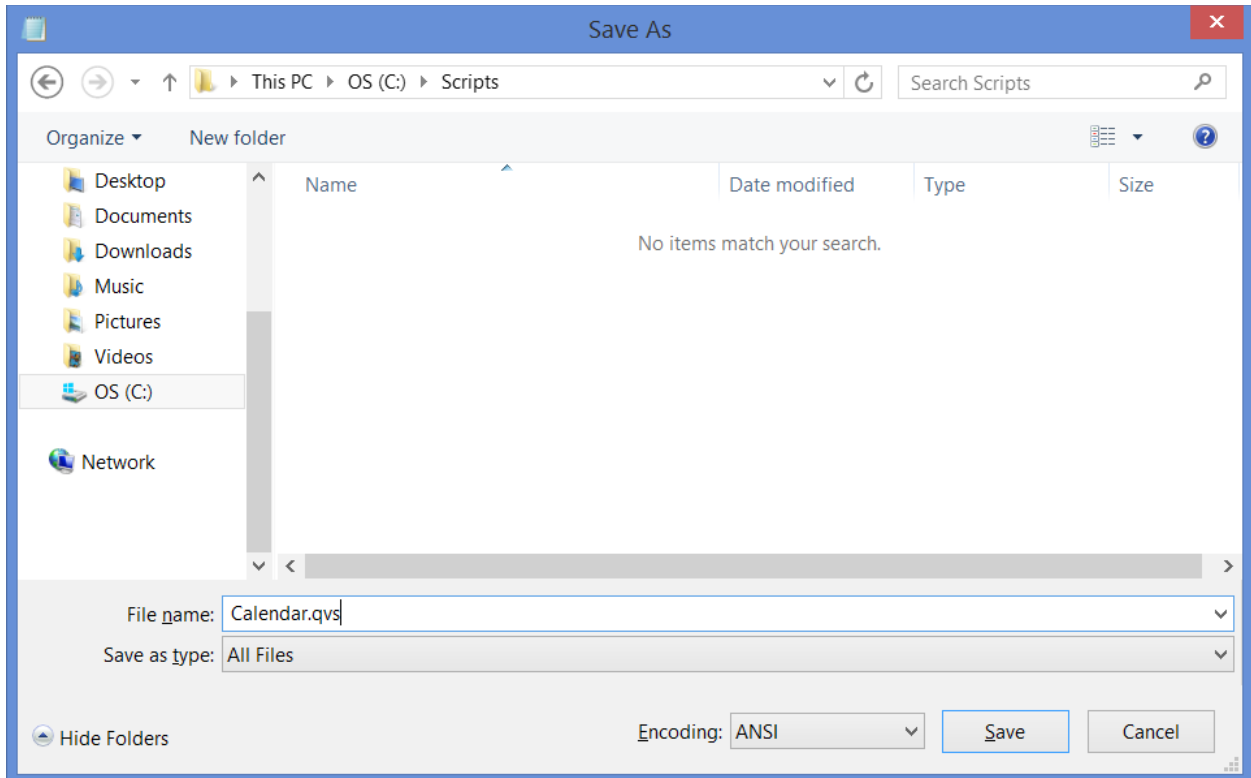
Path

C > Scripts >

Name

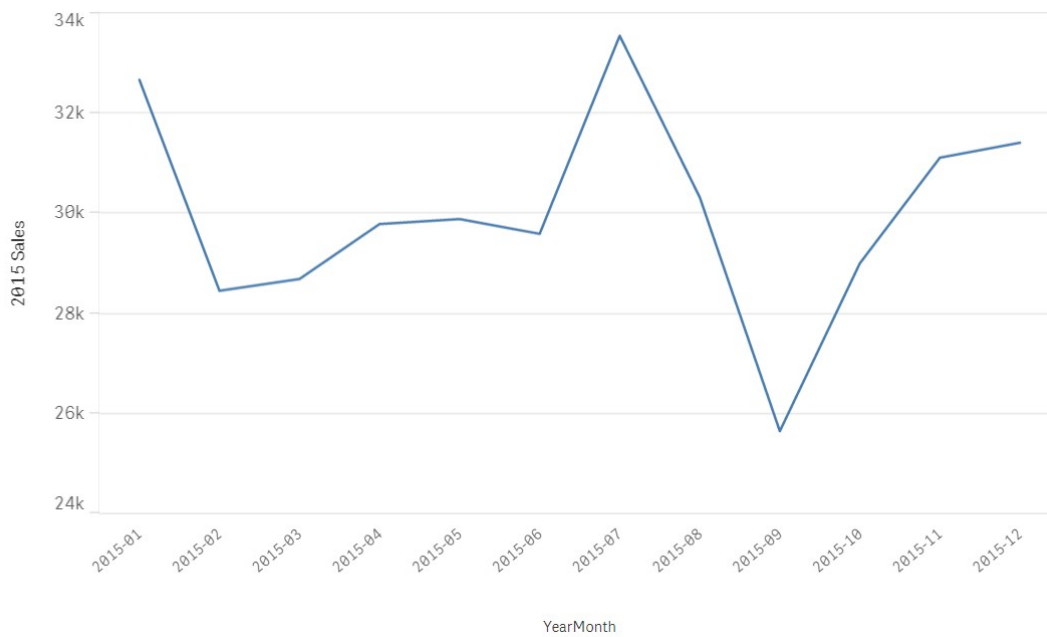
Scripts

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

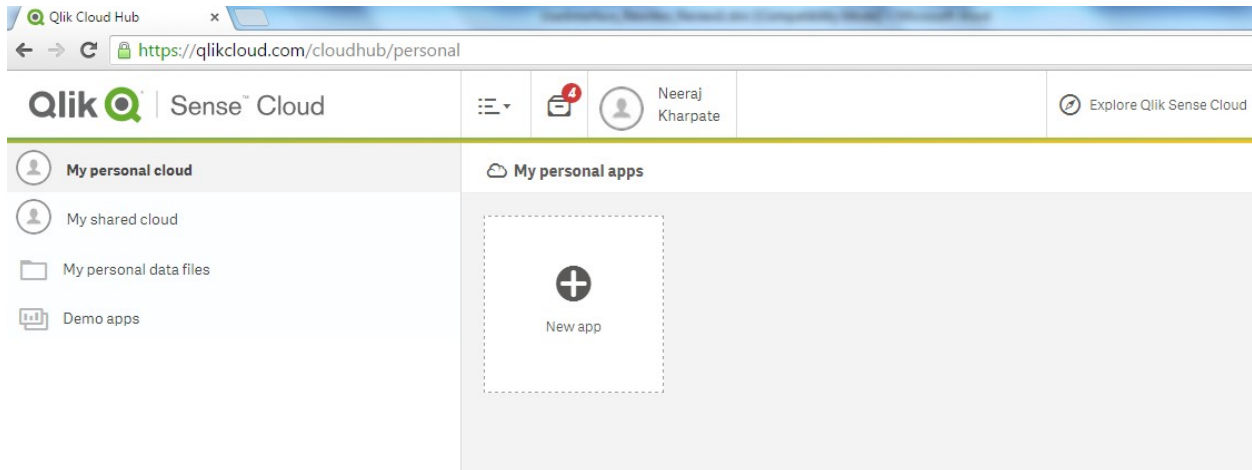
```
0 forced error(s)
0 synthetic key(s)
```



Close when successfully finished

Close

# Chapter 4: Managing Apps and User Interface



## Create a new app in the cloud

**Create app**

You must upload data files in the [My personal data files](#) section of the Qlik Sense Cloud hub to access your data within your apps

Or

## Upload an app

Your apps can be found at the following location:

**C:\Users\[<your\\_user\\_name>](#)\Documents\Qlik\Sense\App s\[<file\\_name>](#)**

**Choose file**

**Import**

Upload requirements:

- You must close the app before importing it into Qlik Sense Cloud.
- An app may be up to 25 MB.
- Your total storage space is 250 MB.



## Share

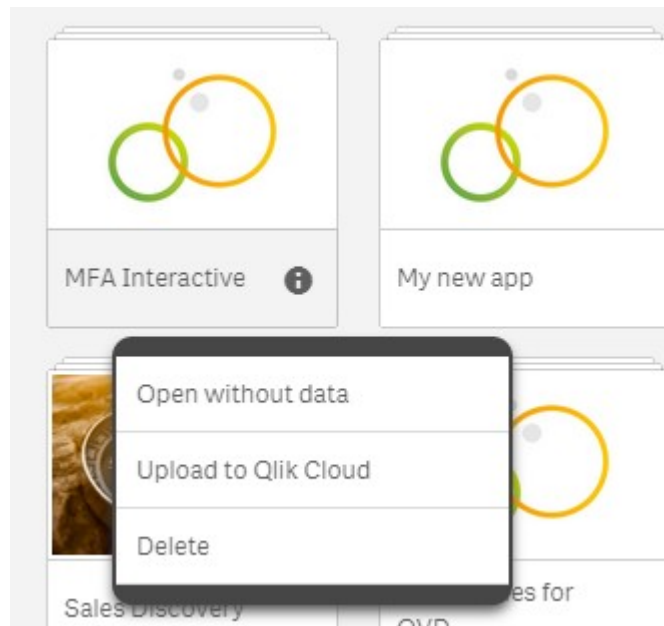
Any individual you share your apps with will be able to see all of the apps you have published to your Shared Cloud.

\* Email

\* *required field*

Submit

Close



My new sheet

### GeoMaps

Charts

Search

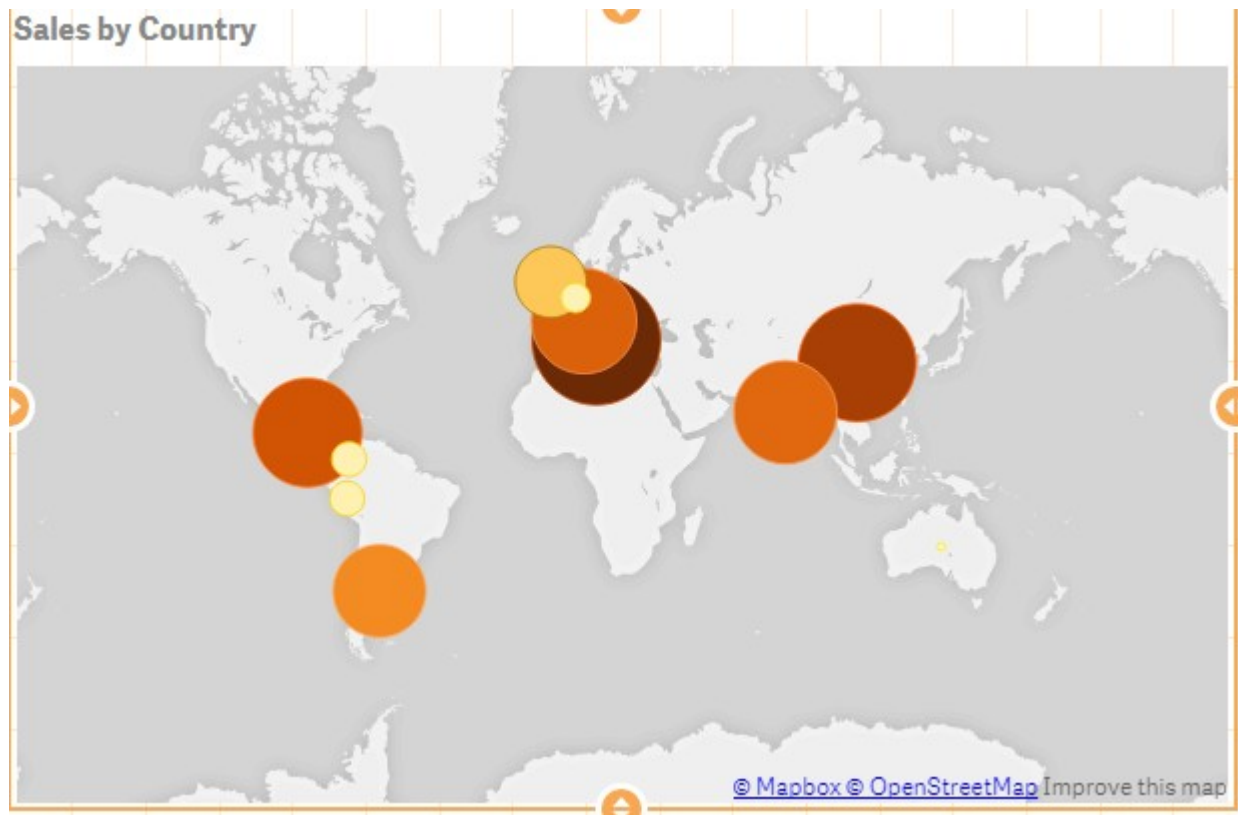
- Bar chart
- Combo chart
- CVL Redmond Pie-Gauge
- Filter pane
- Gauge
- #1 KPI
- Line chart
- Map
- Pie chart
- Pivot table
- Scatter plot

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**

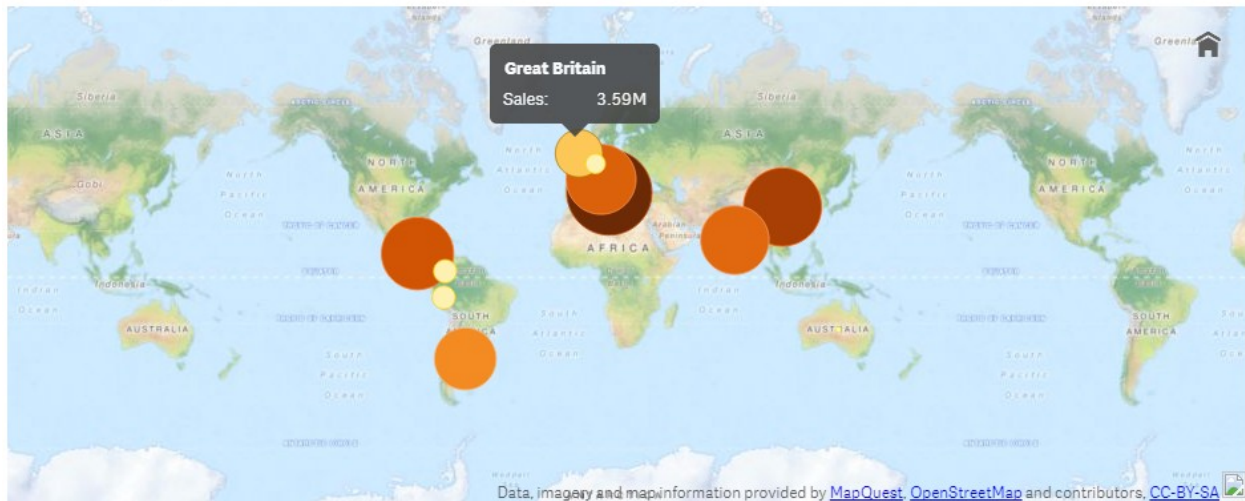
Type

URL

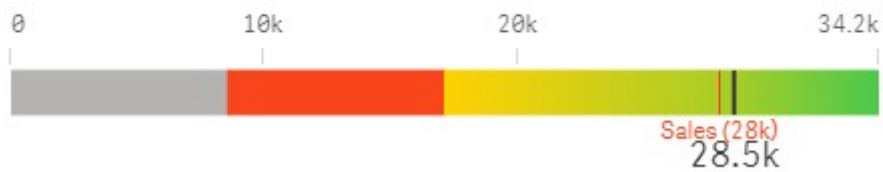
Attribution

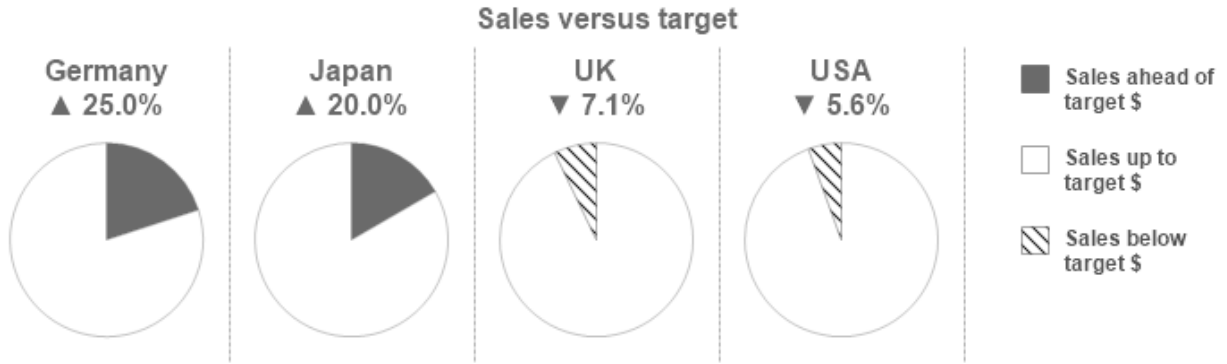
[URLs and attributions](#)

Sales by Country



Sales vs Target





Sales vs Target

**-1.8% ▼**

### Sales vs Target

Germany

**11.1% ▲**

Country

Germany	✓
Japan	
UK	
USA	

Sales vs Target



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



### Sales vs Target

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



### Dimensionless Bar Chart

#### Company Sales



Dimensionless Bar Chart

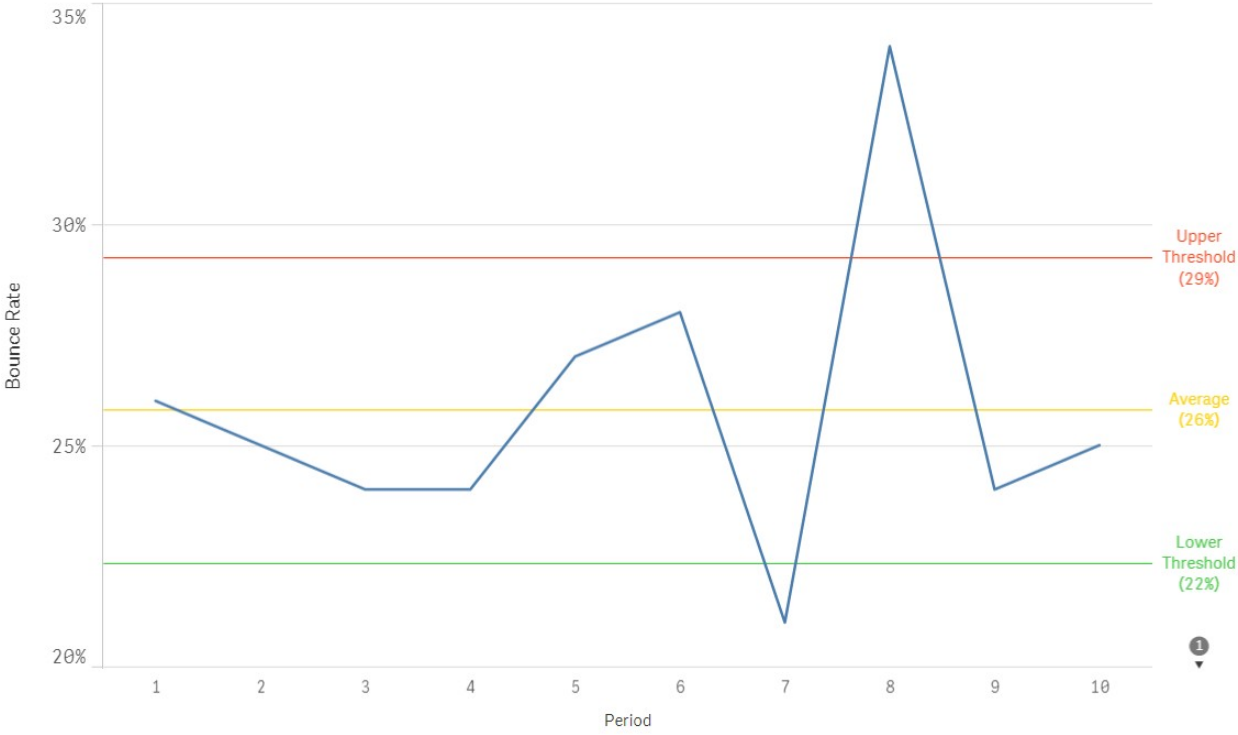
Company Sales

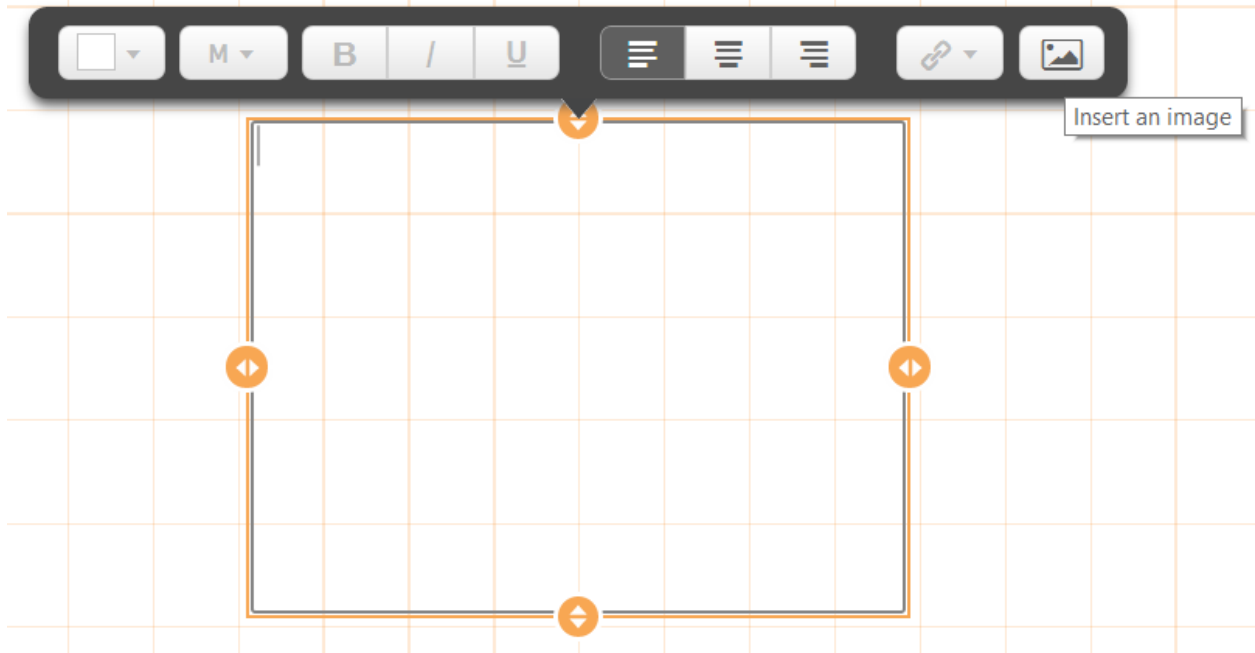


... [Close] [Check]

Country

- Germany
- Japan ✓
- UK
- USA





▼ Background image

Use background image

**On**

---

Image

---

Sizing

**Stretch to fit** ▼

- Auto
- Always fit
- Fit to width
- Fit to height
- Stretch to fit**



Sales = $\sum$ Sum(Sales)
Quantity = $\sum$ Sum(Quantity)
Sales = 45,000
Quantity = 150

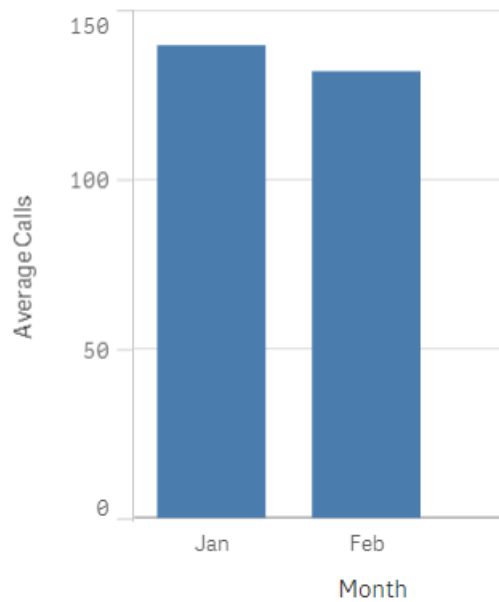
## Chapter 4 - Text and Images



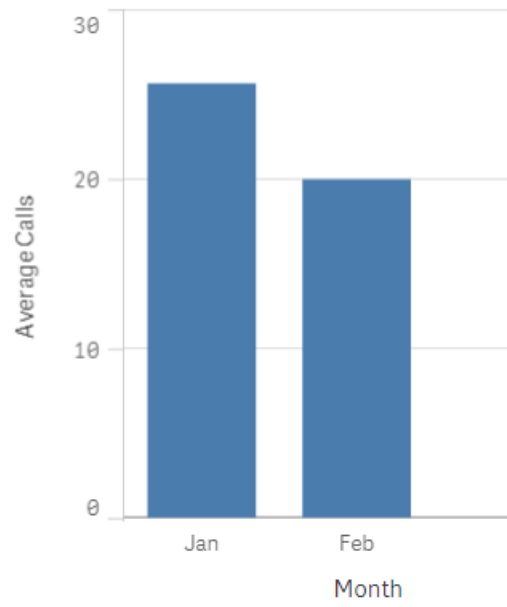
Sales = 45,000


Quantity = 150

Cost = 36,000










**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?



#### Chapter 4 - Adding thumbnails

File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Chapter 4 - Adding thumbnails.qvf



#### Chapter 4 - Applying limitations in QV Charts

File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Chapter 4 - Applying limitations in QV Charts.qvf



#### Chapter 4 - Text and Images

File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Chapter 4 - Text and Images.qvf



#### Chapter 4 - Tree maps

File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Chapter 4 - Tree maps.qvf



#### Consumer Goods Sales

File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Consumer\_Sales.qvf

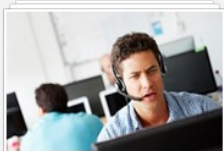
See through the eyes of a consumer goods company. Analyze sales data by sales rep, by region, by product, etc.



#### Executive Dashboard

File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Executive Dashboard.qvf

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.



#### Helpdesk Management

File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Helpdesk Management.qvf

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, s/he needs to be aware which tickets came in as a high priority, or which tickets have not been assigned to any resources yet.

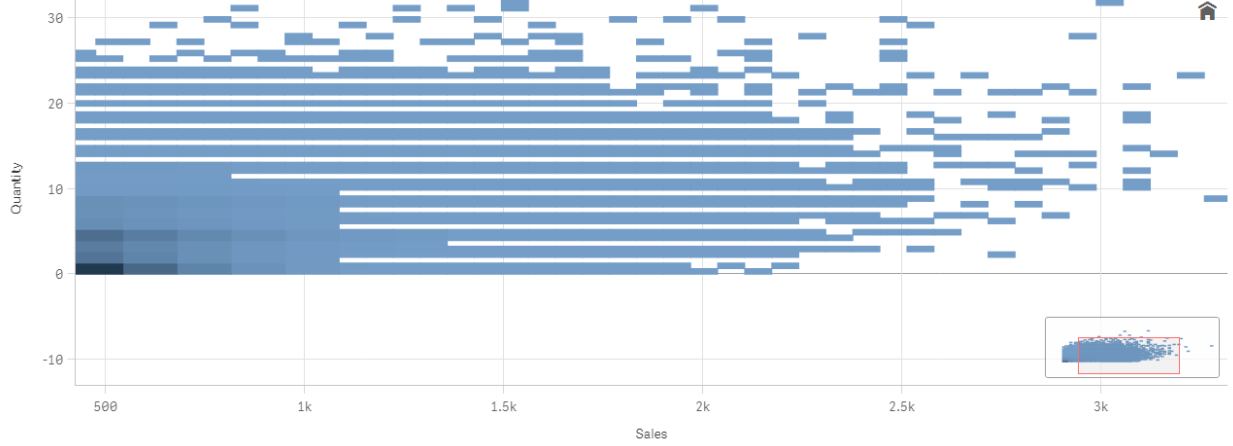


#### Sales Discovery

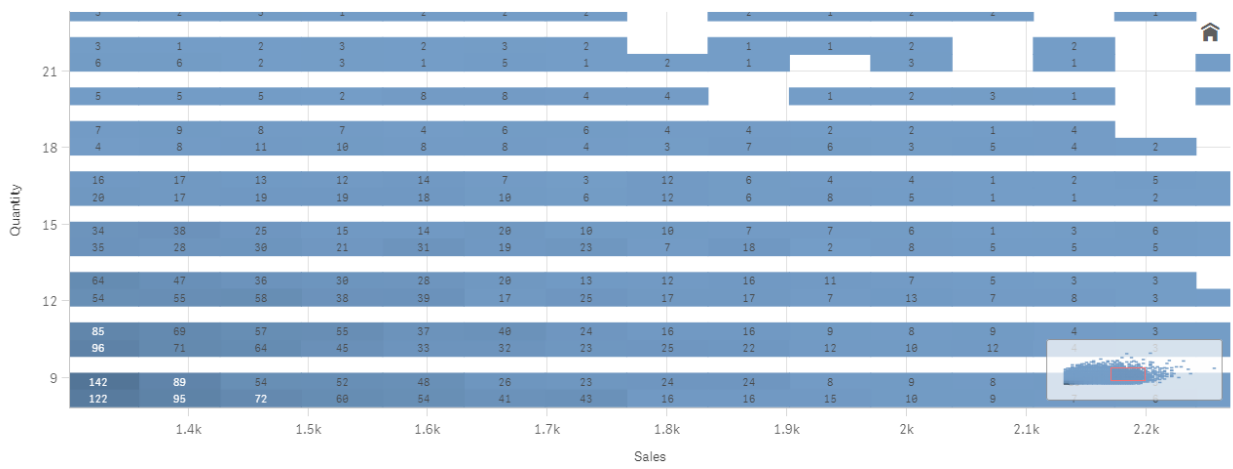
File name: C:\Users\phand\Documents\Qlik\Sense\Apps\Sales Discovery.qvf

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

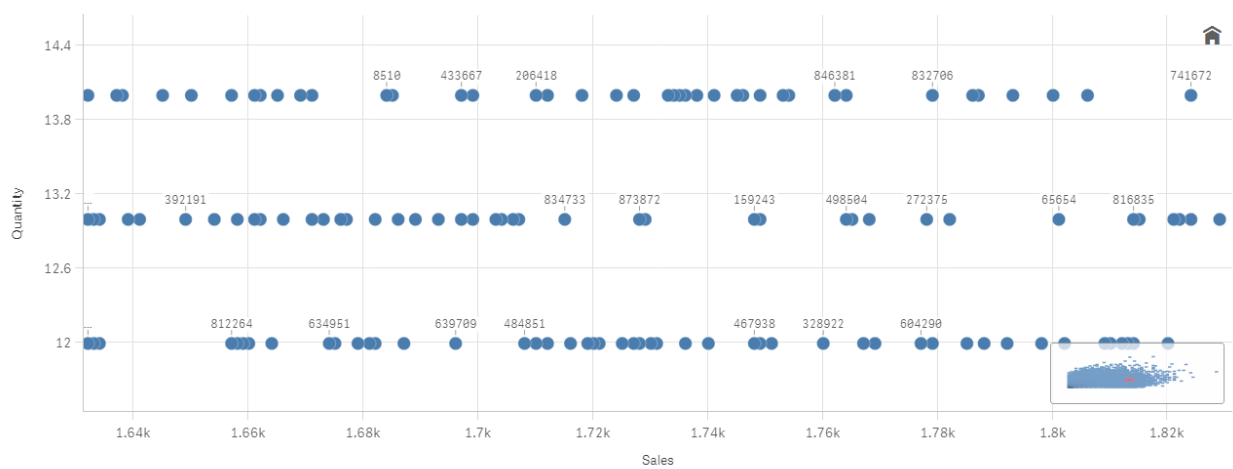
Sales vs Quantity \*



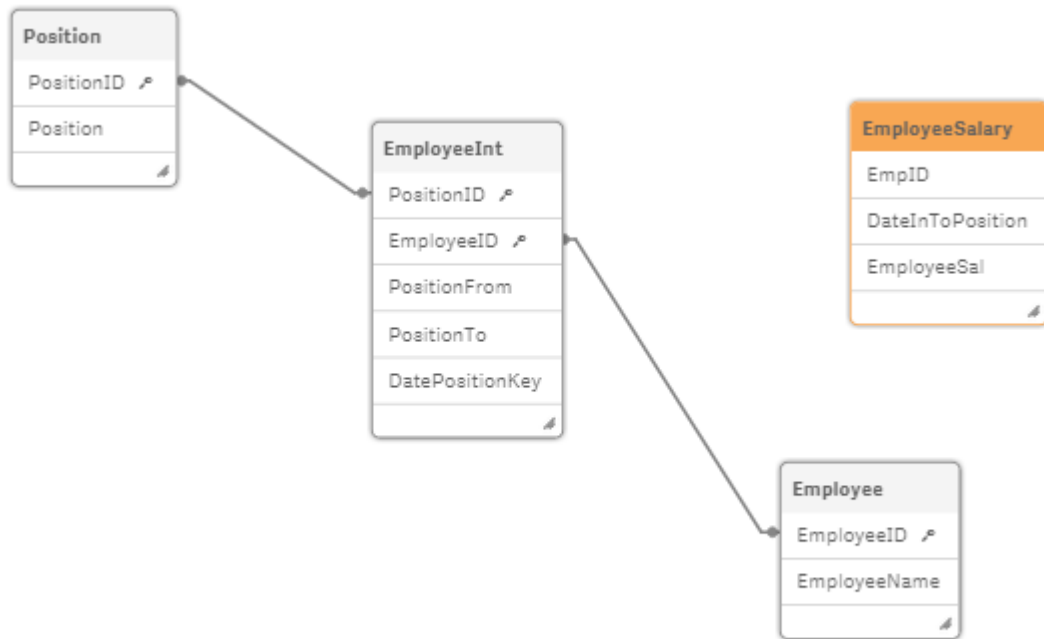
Sales vs Quantity \*



Sales vs Quantity \*

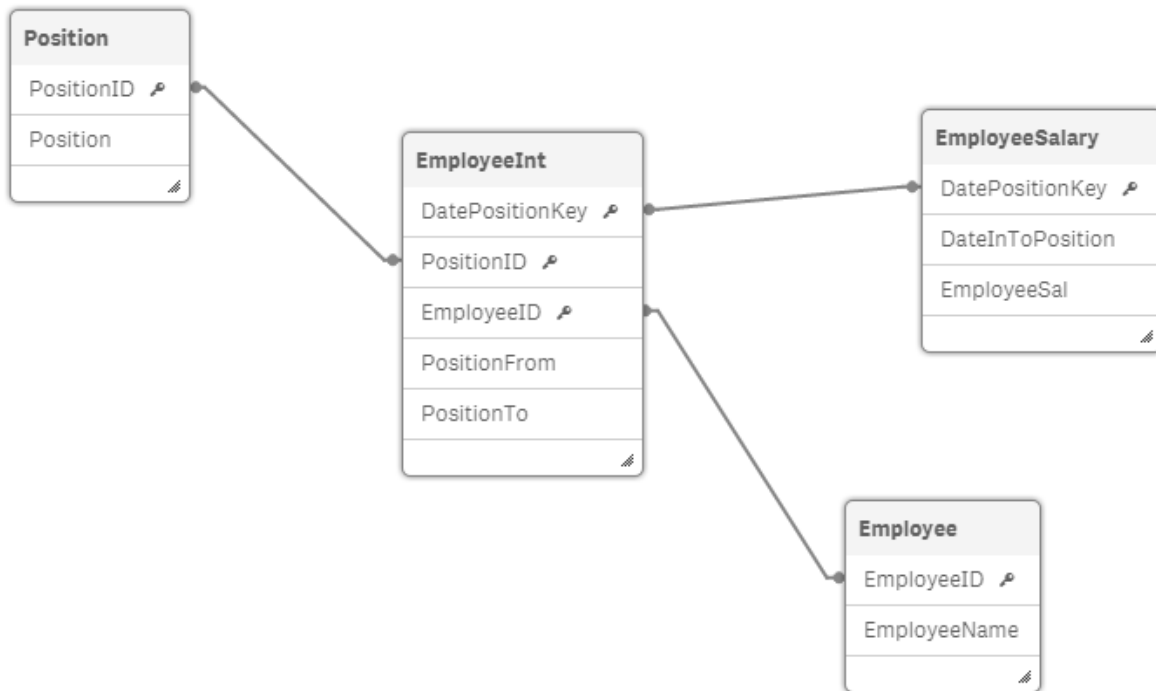


## Chapter 5: Useful Functions



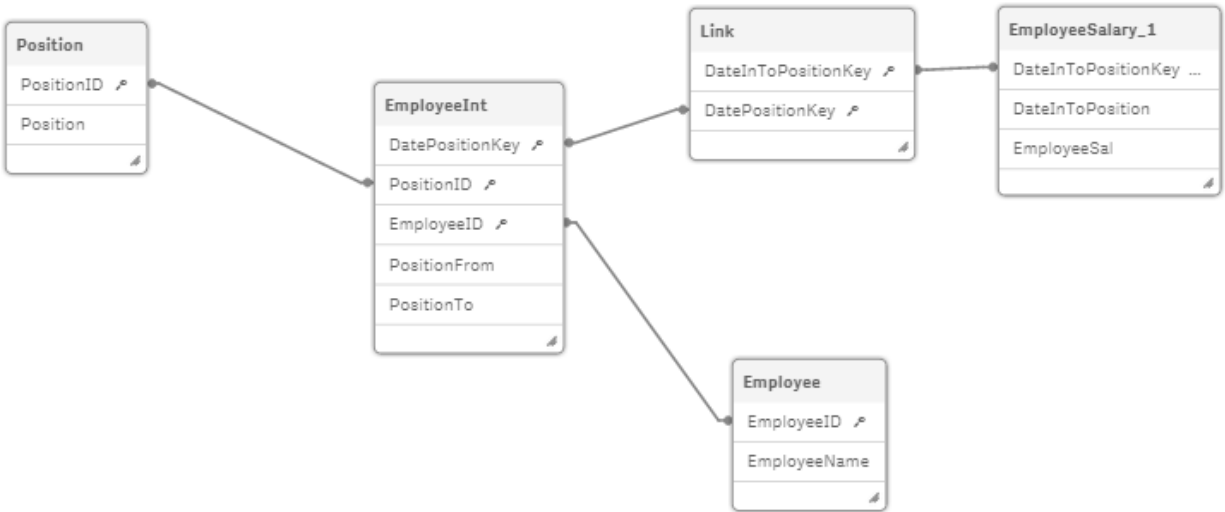
### Extended interval match

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 Holliaoak	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 Holliaoak	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 Holliaoak	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

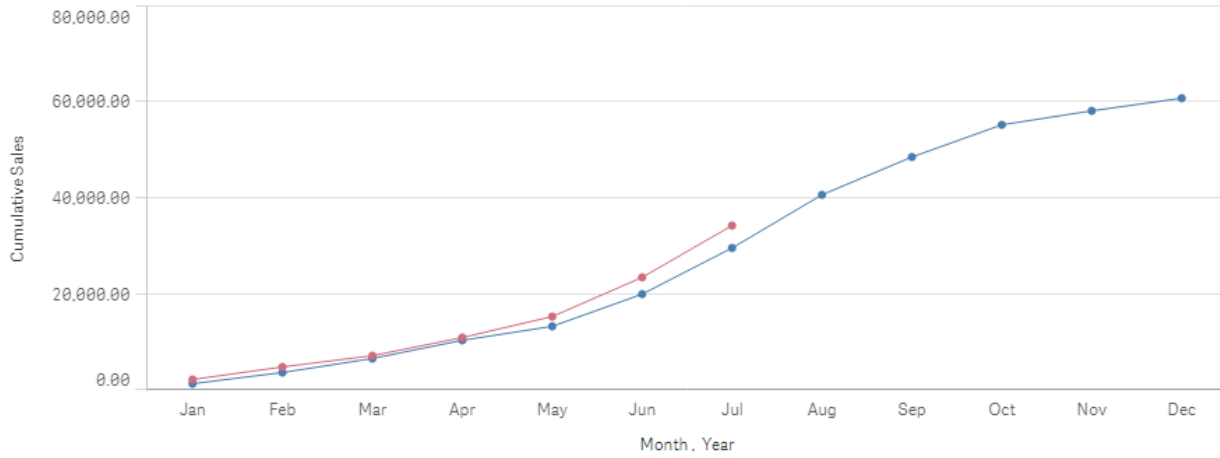
OrderID	Customer	Products	Total Sales
<b>Totals</b>			<b>255</b>
201	1	Chain,Mudguard,Seat	110
202	2	Basket,Gloves	75
203	3	Helmet	70

### Oldest case in Queue (in days)



Status	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

### Cumulative Sales



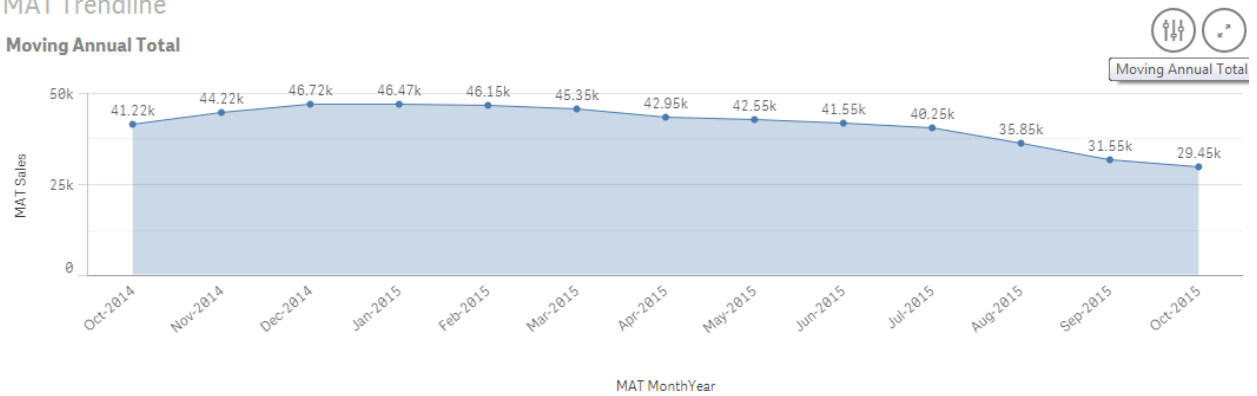
Quartiles	CaseID	Value
<b>Totals</b>		<b>42450</b>
Quartile 4	108	8000
Quartile 4	109	5960
Quartile 4	107	5600
Quartile 3	110	5000
Quartile 3	111	4000
Quartile 3	105	3500
Quartile 2	104	2590
Quartile 2	112	2500
Quartile 2	102	1800
Quartile 1	101	1500
Quartile 1	106	1200
Quartile 1	103	800



Quartiles	CaseID	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

## Chapter 6: Set Analysis

### Set Analysis

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

### Invoiced Sales



Invoiceno. Q	DeliveryDate Q	ShipmentDate Q	Sales
<b>Totals</b>			<b>97000</b>
105	03/02/2015	03/02/2015	25000
106	25/03/2015	21/03/2015	25000
107	18/04/2015	14/04/2015	25000
103	03/03/2015	02/03/2015	12000
101	01/01/2015	29/12/2014	10000

#### Q OntimeLateFlag

1
2
3

...

Q Flag

OnTime ✓
SlightDelay
Late

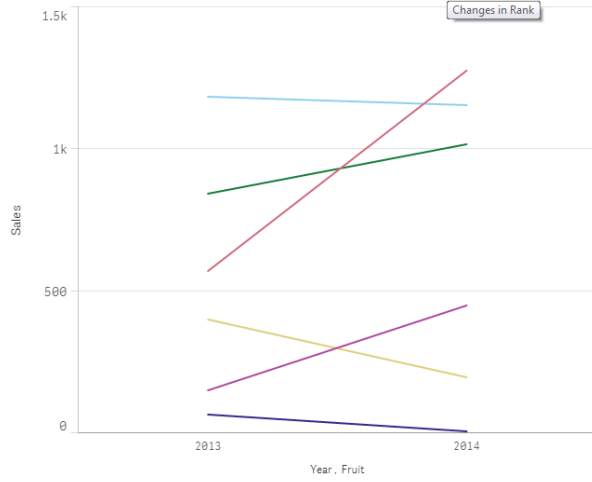
### Sales

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

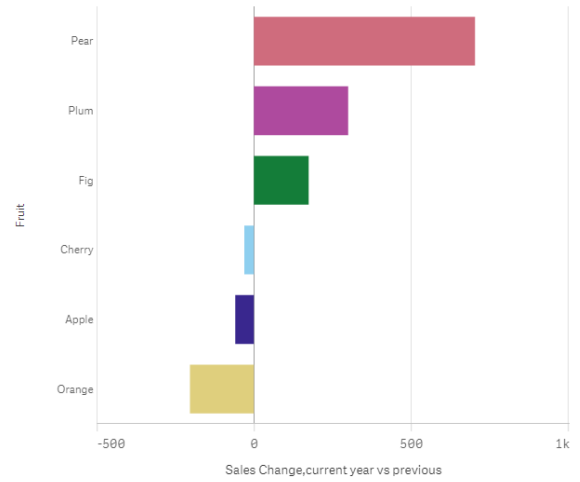
### Sales

Customer Q	Sales
<b>Totals</b>	<b>0</b>
-	0

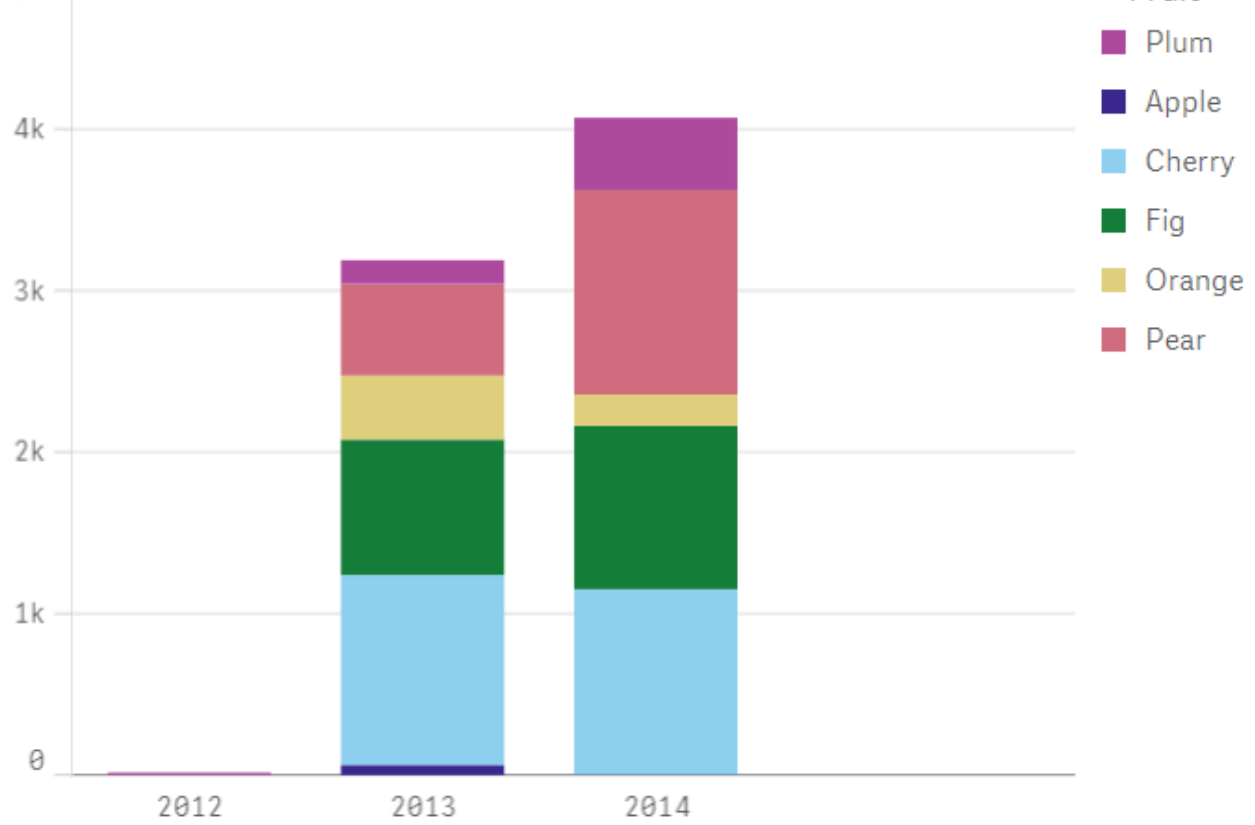
Changes in Rank



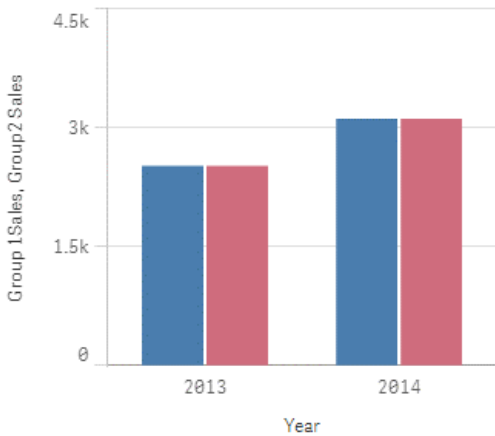
Deviation



5k



### Comparison Analysis



Measures  
■ Group 1 Sales  
■ Group 2 Sales

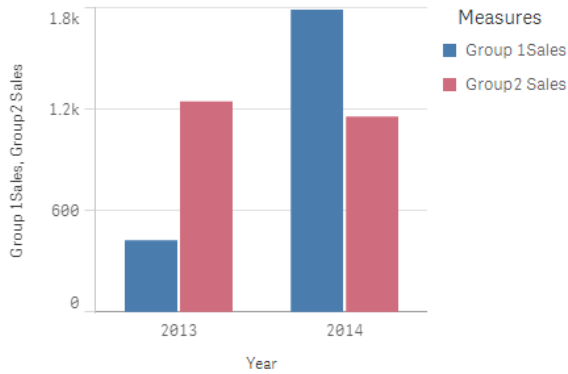
#### Group1

- Apple
- Cherry
- Fig
- Orange
- Pear
- Plum

#### Group2

- Apple
- Cherry
- Fig
- Orange
- Pear
- Plum

### Comparison Analysis



Measures  
■ Group 1 Sales  
■ Group 2 Sales

#### Group1

- Orange ✓
- Pear ✓
- Plum ✓
- Apple
- Cherry
- Fig

#### Group2

- Apple ✓
- Cherry ✓
- Fig
- Orange
- Pear
- Plum

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

- Sales ✓
- Margin
- Quantity

ProductType	Total	WTD	Previous WTD	Weekly Variance
<b>Totals</b>	<b>£12,739,229</b>	<b>6,609,537</b>	<b>£3,243,454</b>	<b>50.9%</b>
Discount	£4,278,988	2,218,842	£1,088,209	51.0%
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

Customer	Sales
<b>Totals</b>	<b>8500</b>
GHI	8500

ShipmentDate
29/12/2014
18/01/2015 ✓
24/01/2015 ✓
25/01/2015 ✓

DeliveryDate
24/01/2015
02/02/2015
04/04/2015
01/01/2015

## Product Sales

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

## Possible Sales

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

### Possible Sales

Customer	Month	Volume	Sales
<b>Totals</b>			<b>20500</b>
GHI	Jan	200	8500
GHI	Mar	200	7000
GHI	Jun	200	5000

### Excluded Sales

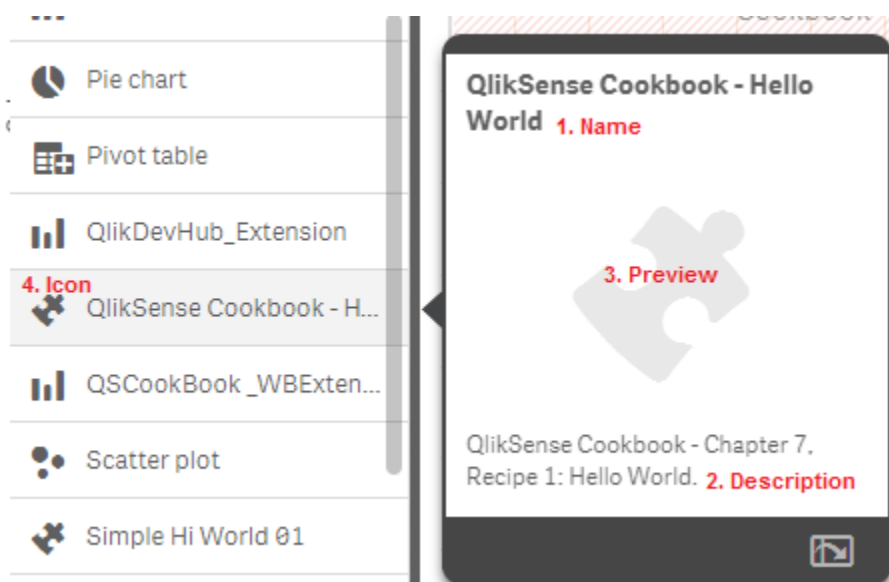
Customer	Month	Sales
<b>Totals</b>		<b>117000</b>
ABC	Mar	12000
ABC	Apr	10000
ABC	Feb	10000
ABC	Jan	10000
DEF	Apr	25000
DEF	Feb	25000
DEF	Mar	25000




## Chapter 7: Extensions in Qlik Sense®

### Qlik Sense Extension

Hello World from the extension "QlikSense Cookbook - HelloWorld"



 **QlikSense Extension**

Appearance

▼ General

Show titles  **On**

Title

QlikSense Extension *fx*

Subtitle

*fx*

Footnote

*fx*

▼ QlikSense extension Text

QlikSense extension Text

My first Qlik Sense Dynamic extension

 **title**

Appearance

▶ General

▶ QlikSense extension Text

▶ Sorting

## Qlik Sense Cookbook>HelloWorld

Chapter 7

### Property values:

Title: Qlik Sense Cookbook>HelloWorld

SubTitle: Chapter 7

Show me



Show me

## Margin Analysis

Category	Margin
Apple	15.37643
Cherry	71.21623
Fig	115.43042
Orange	41.11345
Pear	144.92144
Plum	101.98290

### Margin Analysis

Dimensions

Measures

Sorting

Appearance

▼ General

Show titles  **On**

---

Title

Margin Analysis *fx*

Subtitle

*fx*

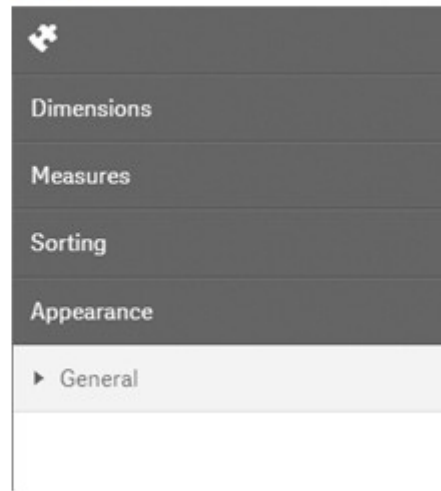
Footnote

*fx*

*Code:*

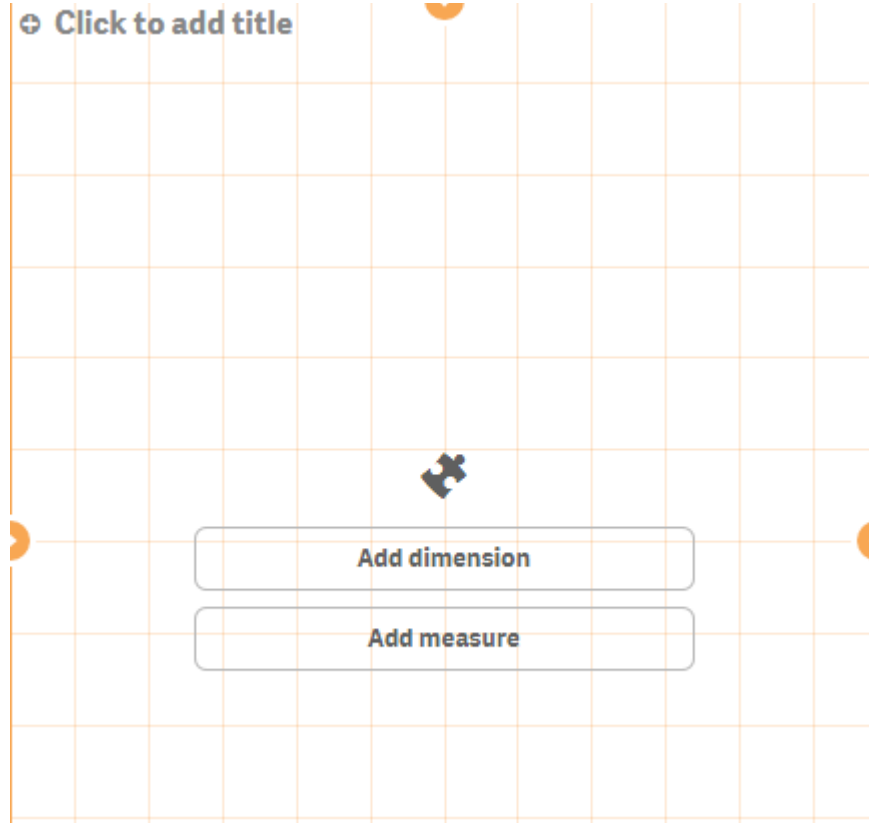
```
definition: {  
  type: "items",  
  component: "accordion",  
  items: {  
    dimensions: {  
      uses: "dimensions"  
    },  
    measures: {  
      uses: "measures"  
    },  
    sorting: {  
      uses: "sorting"  
    },  
    appearance: {  
      uses: "settings"  
    }  
  },  
},
```

*Outputs:*



A screenshot of a dark-themed accordion menu. At the top is a plus icon. Below it are five menu items: "Dimensions", "Measures", "Sorting", "Appearance", and "General". The "General" item is currently expanded, showing a right-pointing arrow and the text "General".

⊕ Click to add title



A screenshot of a grid-based interface. At the top left is a plus icon and the text "Click to add title". In the center of the grid is a plus icon. Below it are two rounded rectangular buttons: "Add dimension" and "Add measure". The interface is framed by an orange grid.

```

table += '<thead>';
table += '<tr>';
for (var i = 0; i < hc.qDimensionInfo.length; i++) {
    table += '<th>' + hc.qDimensionInfo[i].qFallbackTitle + '</th>';
}
for (var i = 0; i < hc.qMeasureInfo.length; i++) {
    table += '<th>' + hc.qMeasureInfo[i].qFallbackTitle + '</th>';
}
table += '</tr>';
table += '</thead>';

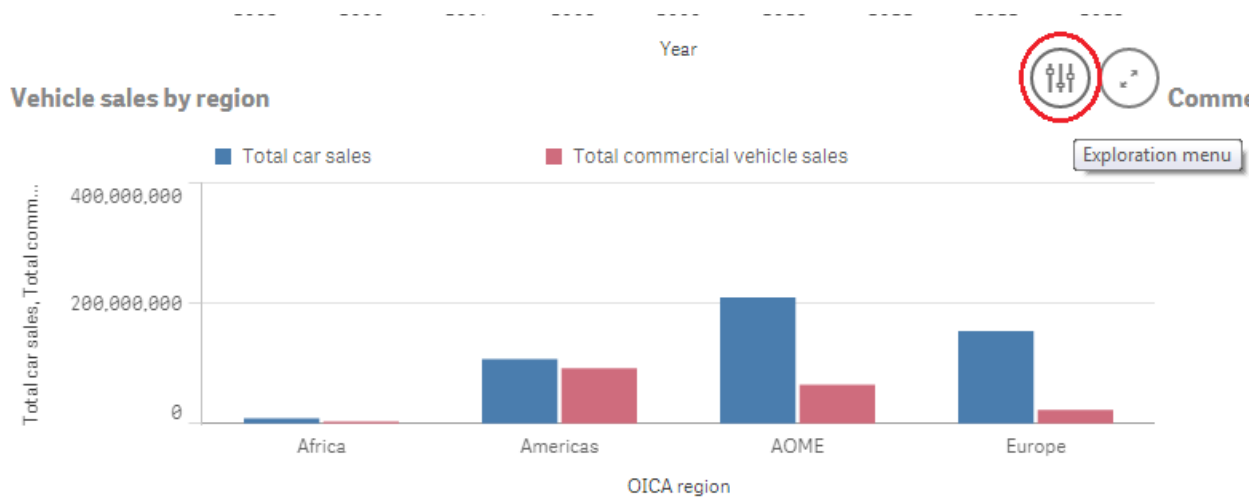
```

```

table += '<tbody>';
for (var r = 0; r < hc.qDataPages[0].qMatrix.length; r++) {
    table += '<tr>';
    for (var c = 0; c < hc.qDataPages[0].qMatrix[r].length; c++) {
        table += '<td>';
        table += hc.qDataPages[0].qMatrix[r][c].qText;
        table += '</td>';
    }
    table += '</tr>';
}
table += '</tbody>';

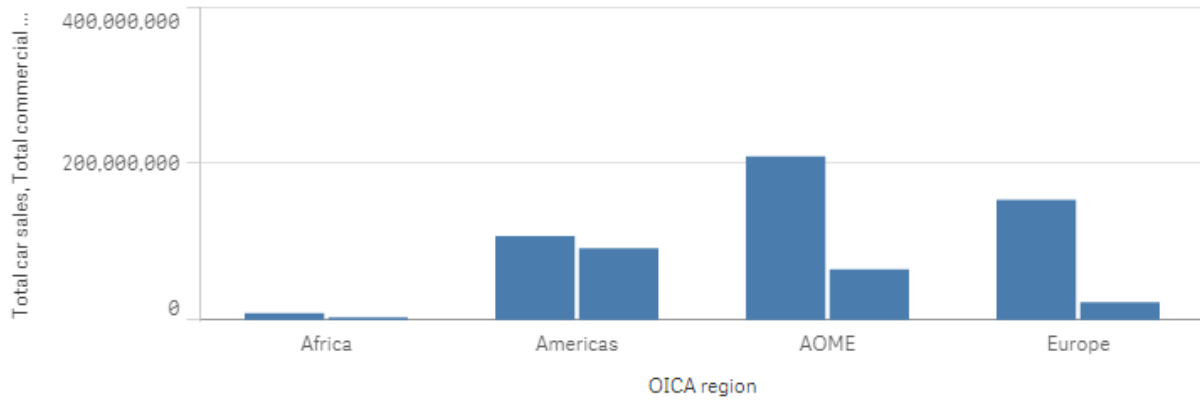
```

## Chapter 8: What's New in Version 2.1.1?





### Vehicle sales by region

C



#### Variables

Create new

Name	Definition
 vBlueColor	RGB(164,216,255)
 vSales	Sum(Sales)

## Variables

Create new

Name

Definition

New variable



Name:

vCOS

Definition:

SUM(COS)



Description:

Cost of Sales

Tags:



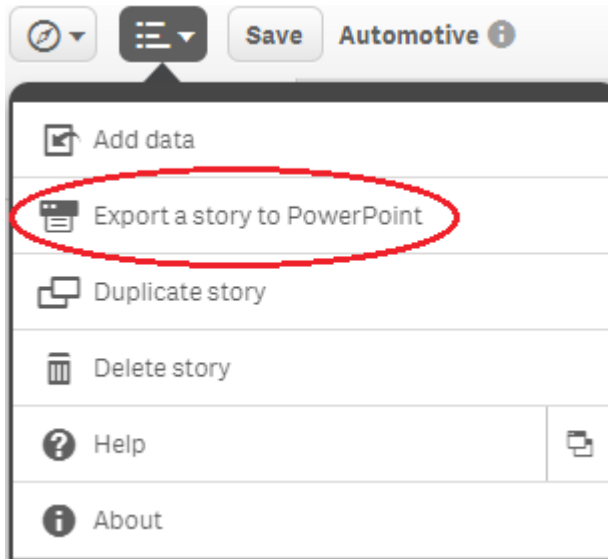
## Sales

Country	Q	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

 vRedColor

RGB (255, 0, 0)

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



## PowerPoint settings

### Slide size

Widescreen 16:9 ▾

### Resolution (dots per inch)

220 ▾

960 x 540 px @ 220 dpi

Cancel

Export



## PowerPoint settings

### Slide size

Widescreen 16:9 ▾

### Resolution (dots per inch)

220 ▾

960 x 540 px @ 220 dpi

[Click here to download your PowerPoint presentation.](#)

Cancel

Export

Opening 89630f7cfbb94d58b06cef2f4d43a8e0.pptx

You have chosen to open:



**89630f7cfbb94d58b06cef2f4d43a8e0.pptx**

which is: Microsoft PowerPoint Presentation (150 kB)

from: http://localhost:9902

What should Firefox do with this file?

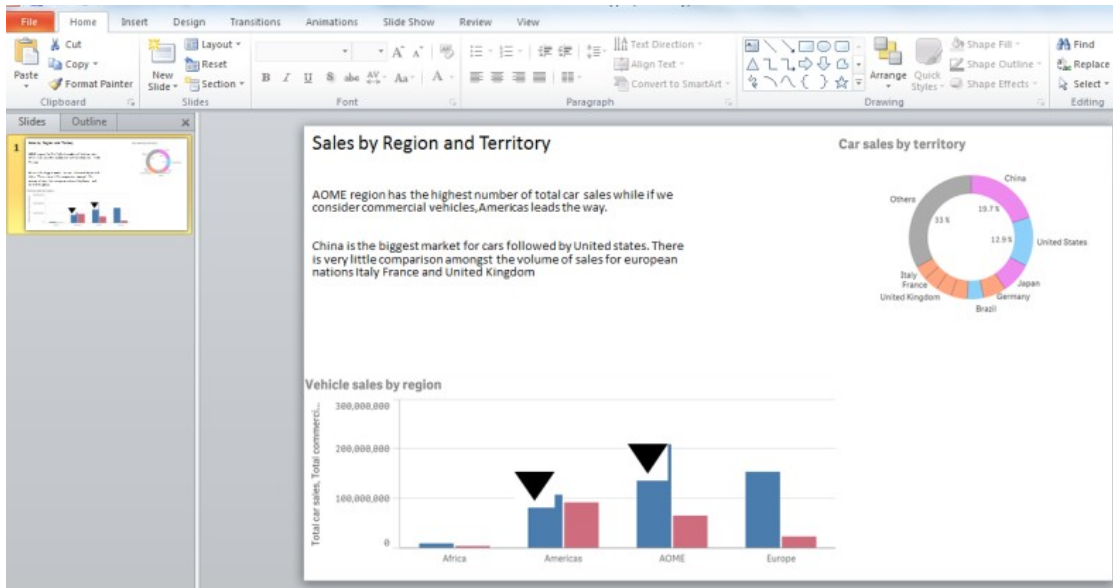
Open with Microsoft PowerPoint (default) ▾

Save File

Do this automatically for files like this from now on.

OK

Cancel



localhost:4848/dev-hub/

Most Visited Getting Started QlikView Management... QlikCommunity: Limit... Set Up A Conference c... Section Access | QlikC... AIG -OUTLOOK CORETIME QlikView - Section Acc... india

## Qlik® Dev Hub

Tools

- All
- Mashups
- Visualization extensions

**Single configurator**

Wizard for embedding single objects (visualizations or sheets) into web pages.

**Extension editor**

Create and edit visualization extensions.

**Mashup editor**

Create and edit web pages containing Qlik Sense objects.

**Engine API Explorer**

Explore the rich capabilities and objects of the Qlik Engine API.

helpdesk

Mashup

QSCookBook\_mashup

Visualization extensions (11)

Angular Chart

CVL Redmond Pie-G...

People Chart

Webpage

QSCookBook\_Exten...

QSCookBook\_WBEX...

localhost:4848/dev-hub/single-configurator

Most Visited Getting Started QlikView Management... QlikCommunity: Limit... Set Up A Conference c... Section Access | QlikC... AIG -OUTLOOK CORETIME QlikView - Section Acc... indiancitizenshiponlin...

## Single configurator

Select an app

**Sheets and objects**

Search

No data  
Select an app

**No item selected**

Select an item from the source panel.

When you have set up the options you want, mark the URL or IFrame code and copy it.

**Options**

- Devhub.general
- Selections
  - Show selections bar
  - Clear all selections
- Bookmarks
  - Select a bookmark
- Apply selections
  - Add data

localhost:4848/dev-hub/single-configurator

Single configurator

MFA Interactive.qvf

Object ID: cyNDmKU

URL: `http://localhost:4848/single?appid=C%3A%5CUsers%5Cnkharpate%5CDo` | `<iframe src='http://localhost:4848/single?appid=C%3A%5CUsers%5Cnkha`

Preview

Car sales by country

Country	Mean car sales
United States	10,000,000
Germany	7,000,000
France	5,000,000
United Kingdom	4,000,000
Other countries	~1,000,000

Options

- Devhub.general
- Selections
  - Show selections bar
  - Clear all selections
- Bookmarks
  - Select a bookmark
- Apply selections
  - Add data

localhost:4848/dev-hub/extension-editor

Extension editor

No visualization extension selected

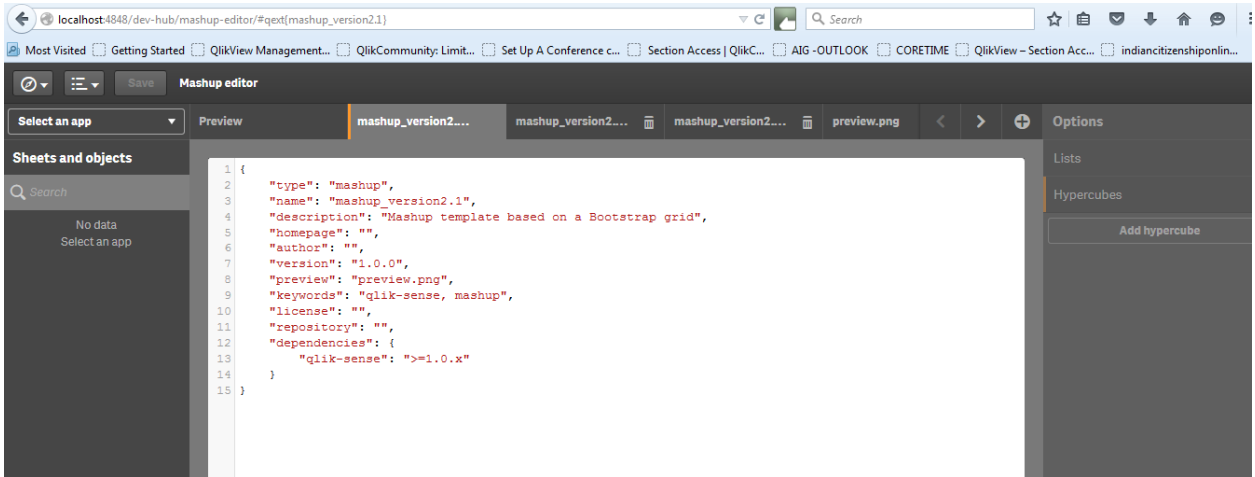
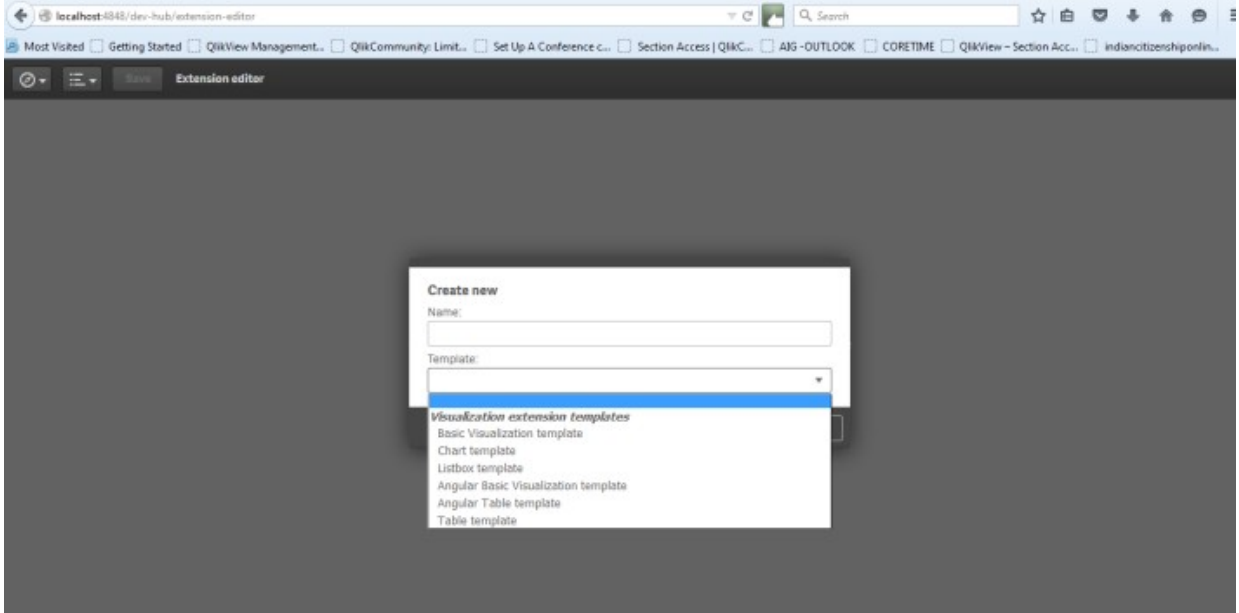
Create a new visualization extension from the Actions menu in the toolbar or go back to the Dev Hub to select an existing one.

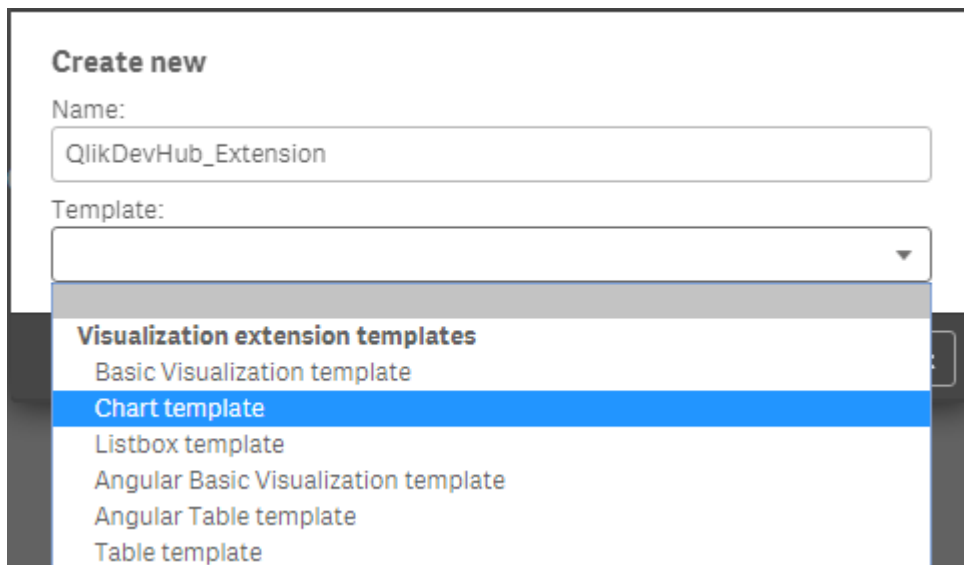
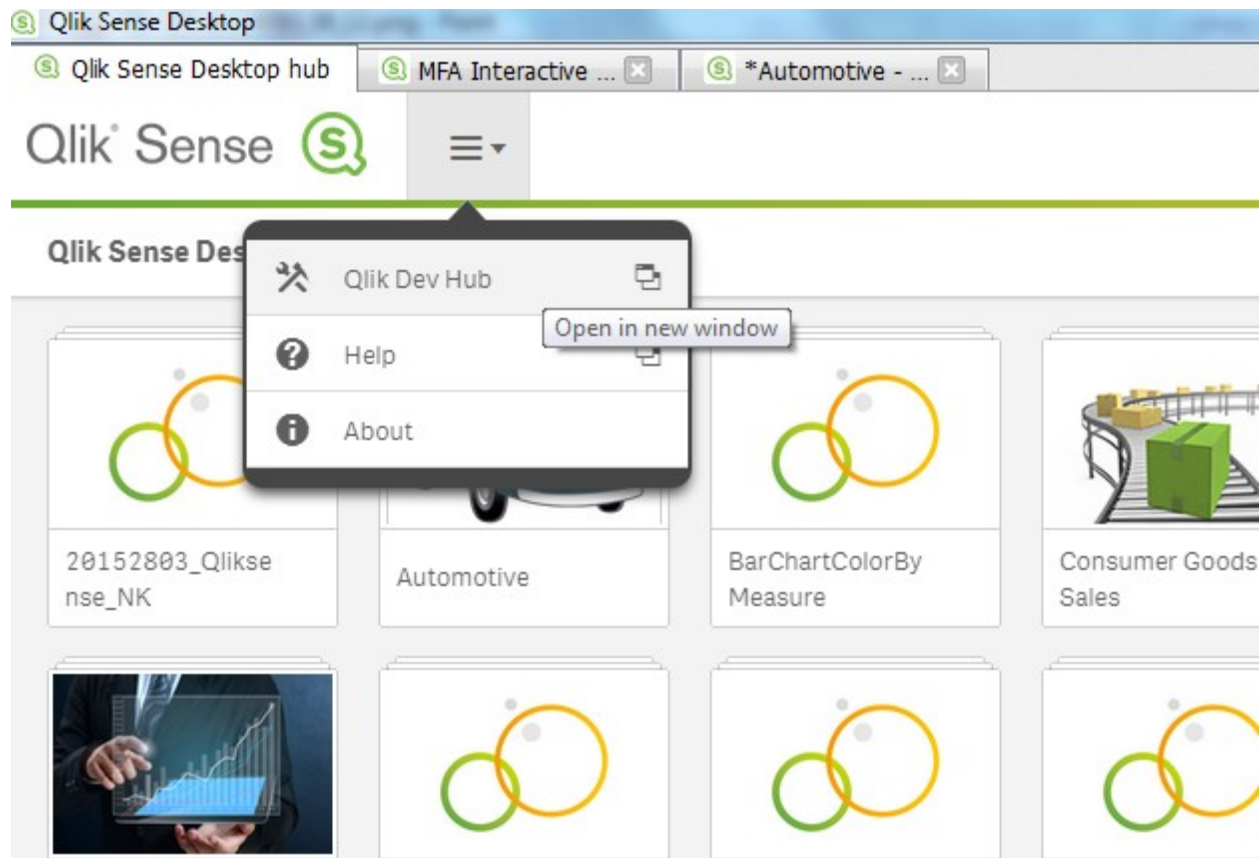
localhost:4848/dev-hub/extension-editor

Most Visited Getting Started QlikView M

Save Extension editor

- + Create new project**
- Import file
- + New file
- X Close project
- ? Help





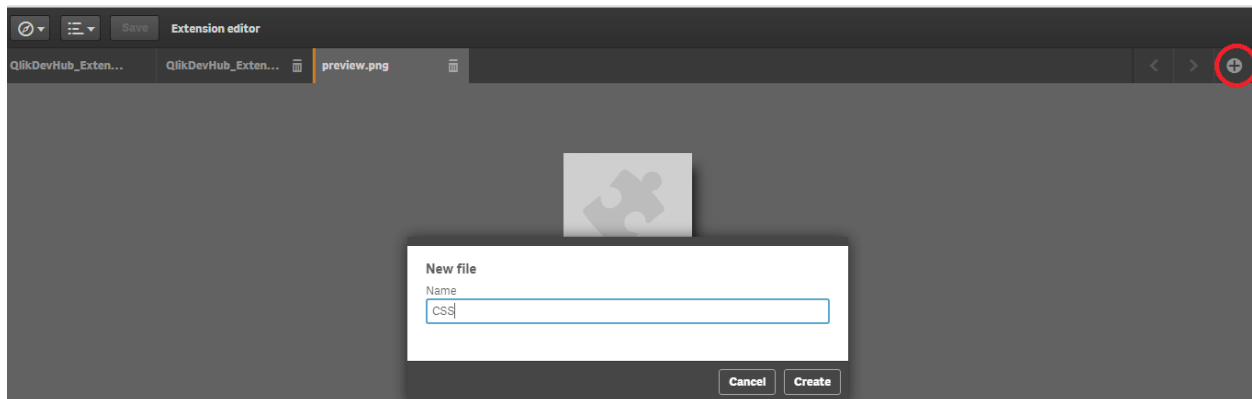
Extension editor

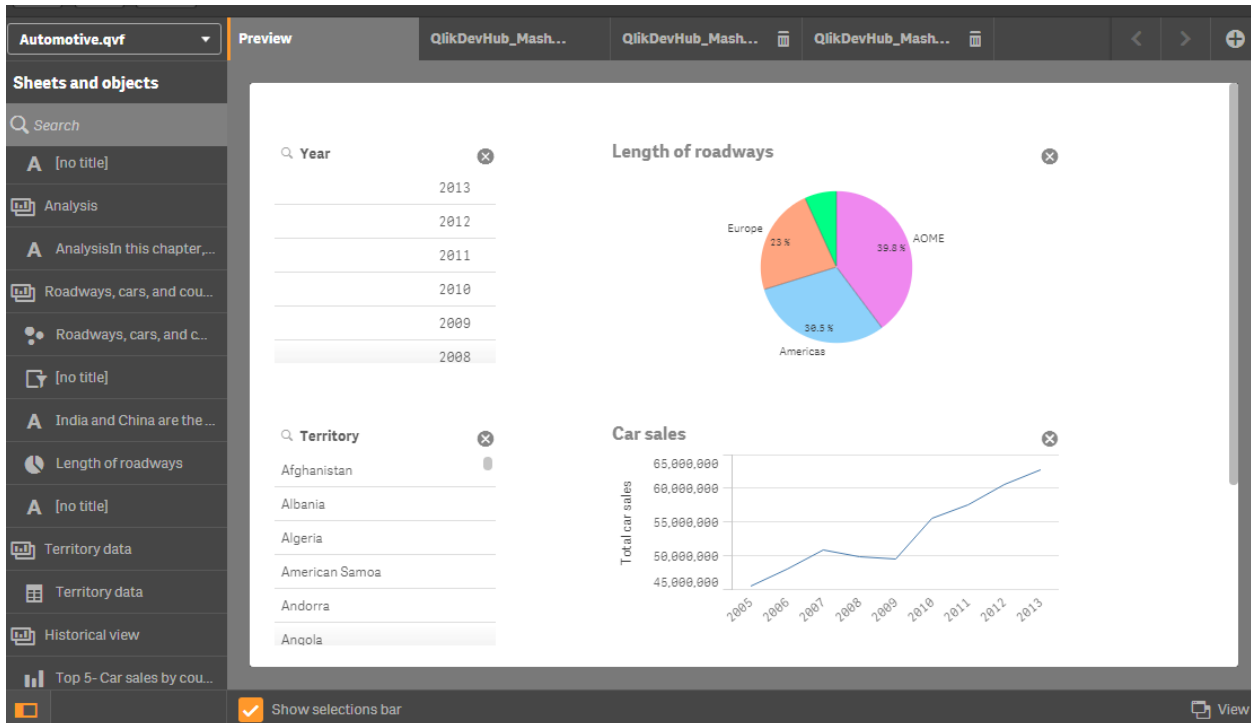
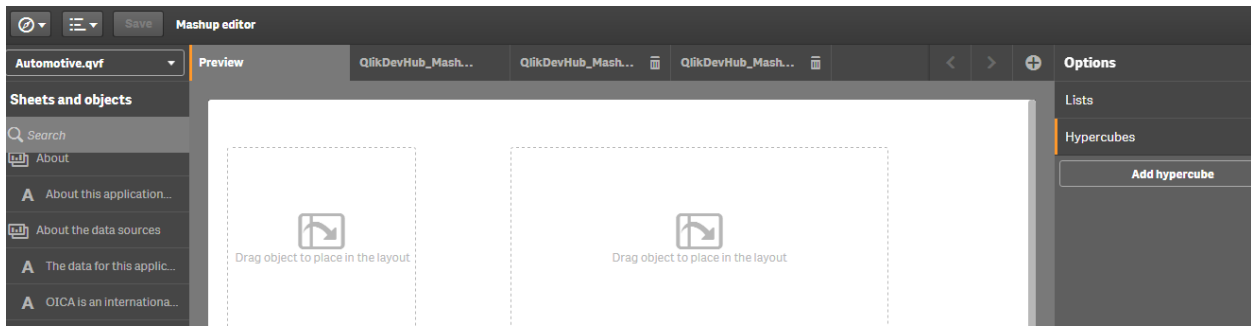
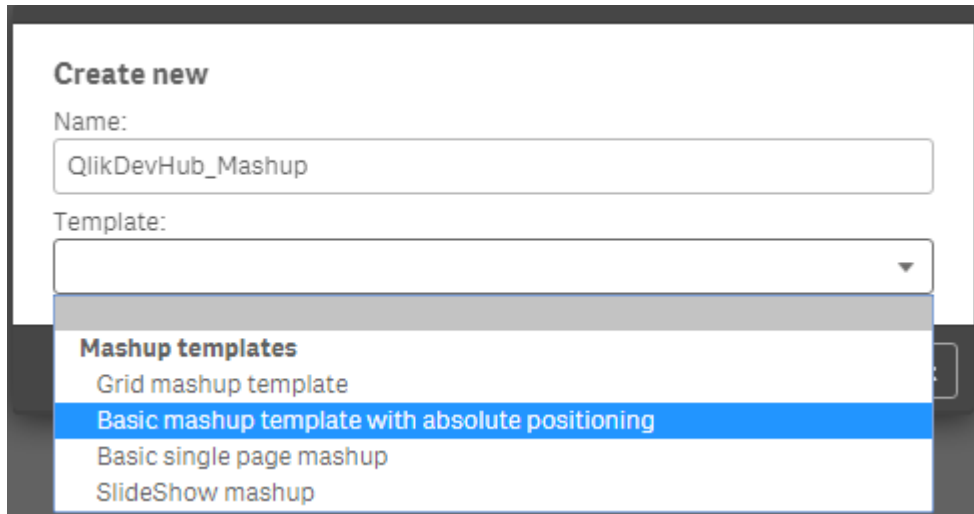
QlikDevHub\_Exten... \*    QlikDevHub\_Exten...    preview.png

```
1 {
2   "name": "QlikDevHub_Extension",
3   "description": "Qlik Sense extension using the Qlik Dev Hub",
4   "icon": "bar-chart-vertical",
5   "type": "visualization",
6   "version": "1.0.0",
7   "preview": "preview.png",
8   "author": "ABC",
9   "homepage": "",
10  "keywords": "qlik-sense, visualization",
11  "license": "",
12  "repository": "",
13  "dependencies": {
14    "qlik-sense": ">=1.0.x"
15  }
16 }
```

### Sales by Country

France: 3000  
Germany: 4000  
UK: 2000  
USA: 1000





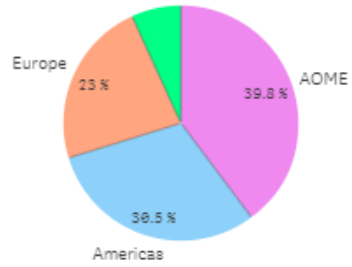
Year

2013
2012
2011
2010
2009
2008

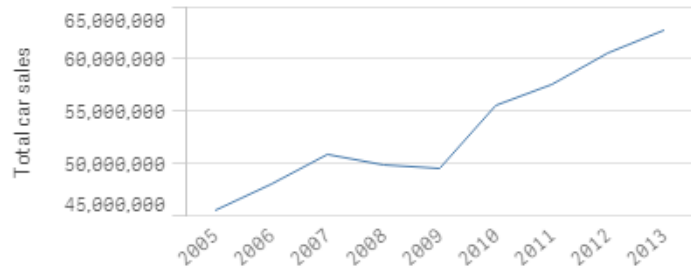
Territory

Afghanistan
Albania
Algeria
American Samoa
Andorra

Length of roadways



Car sales





```
1  /*global require, alert*/
2  /*
3   *
4   * @owner Enter you name here (xxx)
5   */
6  /*
7   *   Fill in host and port for Qlik engine
8   */
9  var prefix = window.location.pathname.substr( 0, window.location.pathname.toLower
10 var config = {
11     host: window.location.hostname,
12     prefix: prefix,
13     port: window.location.port,
14     isSecure: window.location.protocol === "https:"
15 };
16 require.config( {
17     baseUrl: ( config.isSecure ? "https://" : "http://" ) + config.host + (confi
18 } );
19
20 require( ["js/qlik"], function ( qlik ) {
21     qlik.setOnError( function ( error ) {
22         alert( error.message );
23     } );
24
25     //callbacks -- inserted here --
26     //open apps -- inserted here --
27     var app = qlik.openApp('Automotive.qvf', config);
28
29
```

```
6 <meta http-equiv="content-type" content="text/html; charset=utf-8">
7 <meta name="HandheldFriendly" content="True">
8 <meta name="MobileOptimized" content="320">
9 <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1">
10 <meta name="apple-mobile-web-app-capable" content="yes">
11 <meta name="apple-mobile-web-app-status-bar-style" content="black">
12 <meta http-equiv="cleartype" content="on">
13 <!--Add host to these 3 links if the mashup is on another webserver than qlik sense s
14 <link rel="stylesheet" href="../../resources/autogenerated/qlikui.css">
15 <link rel="stylesheet" href="../../resources/assets/client/client.css" media="all">
16 <script src="../../resources/assets/external/requirejs/require.js"></script>
17 <script src="QlikDevHub_Mashup.js"></script>
18
19 <style>
20     article.qvobject
21     {
22         position: absolute;
23         overflow: hidden;
24         padding: 10px;
25     }
26 </style>
27 </head>
28 <body style="overflow:auto">
29 <div id="QV01" style="position: absolute; top: 50px; left: 20px; width: 200px; height: 20
30 <div id="QV02" style="position: absolute; top: 50px; left: 320px; width: 400px; height: 2
31 <div id="QV03" style="position: absolute; top: 300px; left: 20px; width: 200px; height: 2
32 <div id="QV04" style="position: absolute; top: 300px; left: 320px; width: 400px; height: 2
33 <div id="QV05" style="position: absolute; top: 550px; left: 20px; width: 200px; height: 2
34 <div id="QV06" style="position: absolute; top: 550px; left: 320px; width: 400px; height: 2
35
```

## Qlik Sense

Embedding Qlik Sense application in website using single configurator!



QLIK<sup>®</sup> SENSE

Single configurator

Automotive.qvf

Search

**Introduction**

Worldwide automotive s...

**Sales**

SalesWhich countries ar...

**Sales overview**

Vehicle sales by year

Car sales by territory

Commercial vehicle sale...

Vehicle sales by region

**Preview :** Object Id : **BEUjVL** Copy URL View

http://localhost:4848/single/?appid=C%3A%5CUsers%5Cnkharpate%5CDocuments%5C

No selections applied

**Vehicle sales by year**

**Car sales by t...**

**Car ...**

**Vehicle sales by region**

**Commercial ...**

**Com...**

**Set options :**

Selections bar

No animation

No interaction

Language   
 - Default language -

Clear all selections

Bookmark   
 - Select a bookmark -

Selections : Add

Embed code

file:///C:/Users/nkharpate/Desktop/QSCookBook\_webpage.html

Qlik Sense

Embedding Qlik Sense application in website using single configurator!

qlik sense

No selections applied

**Vehicle sales by year**

**Car sales by territory**

**Car sales by reg...**

**Vehicle sales by region**

**Commercial vehicle sales by terri...**

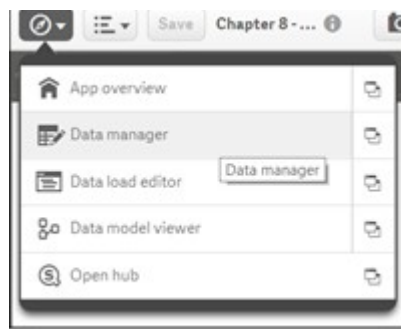
**Cars % all vehicl...**

**Commercial veh...**

Add data

<b>Capital city</b> ▼	Capital city: "Bujumbura" ✕
🔍 Search	Capital city: "Canberra" ✕
Buenos Aires 1	
Bujumbura 1	
Cairo 1	
Canberra 1	
Capitol Hill 1	
Caracas 1	
Castries 1	

**Cancel** **Add**



<input type="checkbox"/> <b>Base currency</b>	<input type="checkbox"/> <b>Quote currency</b>	<input type="checkbox"/> <b>DateTime</b>
<input checked="" type="checkbox"/> US dollar	<input checked="" type="checkbox"/> Euro	<input checked="" type="checkbox"/> Most recent
<input type="checkbox"/> Euro	<input type="checkbox"/> Pound sterling	<input type="checkbox"/> All time
<input type="checkbox"/> Pound sterling	<input type="checkbox"/> US dollar	

Sales \$

6.3k 5.56k  
Sales (Euro)

Select a data source



Connections



Connect my data

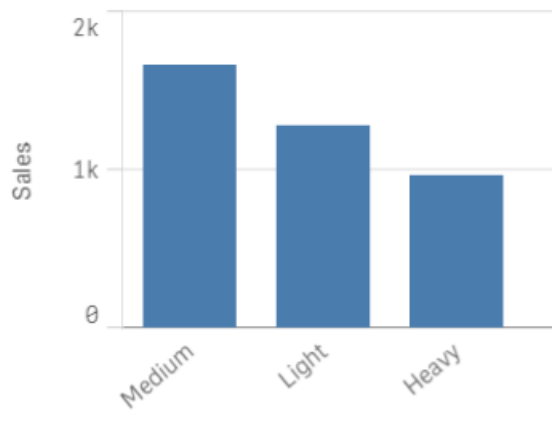


Qlik DataMarket

 <p><b>Business</b> Data on firms and establishments classified by industry, country and locality.</p>	 <p><b>Currency</b> Foreign exchange rates for major world currencies. Updated daily.</p>
 <p><b>Demographics</b> Detailed population data for North America, Europe and the rest of the world.</p>	 <p><b>Society</b> Major socioeconomic data on wages, unemployment and poverty.</p>
 <p><b>Weather</b> Current and historical weather conditions for major locations around the world.</p>	 <p><b>Economy</b> Major economic indicators featuring data on GDP, prices, education and environment.</p>

🔍 Dimensions

- Weight ✓
- Category
- Period
- ProductType



🔍 ski

- Ski
- Ski Mask

DJ  
Ski Mask  
Next Album Release  
Electro Ski

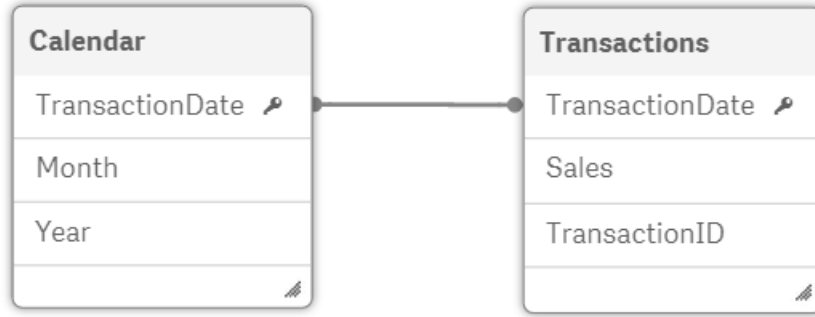
🔍 Save Chapter 8 - Data Profilin

- 🏠 App overview
- 📄 Data manager

🔍 Transactions.txt

Rename both fields to:

TransactionDate Use custom field name ↩️ Date



 1 warning

1 of 1  

 Auto-generated section 

Recommendations

TransactionDate	
Date	91%