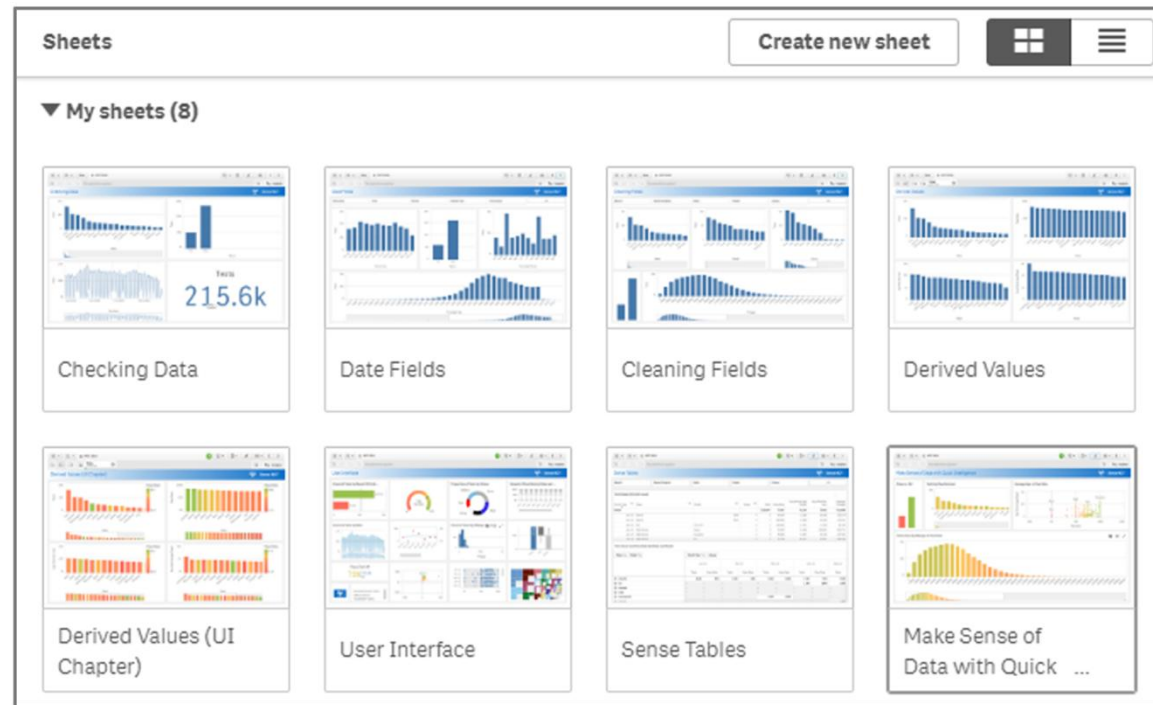


# Creating Qlik Sense Applications



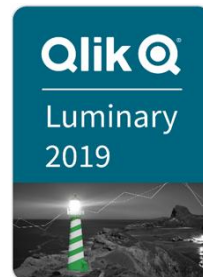
two day, instructor led, training course

# Creating Qlik Sense Applications

This two day course takes delegates from a blank sheet to a fully functioning application, using real world data.

The course has been created by Steve Dark, who is both a Qlik Luminary and a Qlik Community MVP.

We use the free Qlik Cloud platform so no prior knowledge or software investment is required to take part.



Qlik | Community MVP



# Creating Qlik Sense Applications

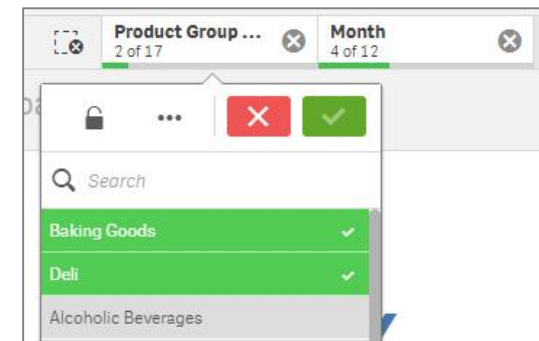
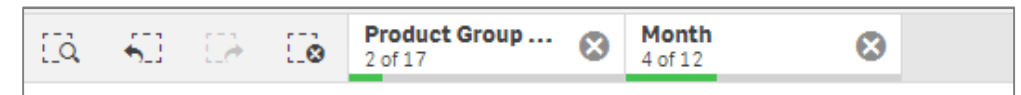
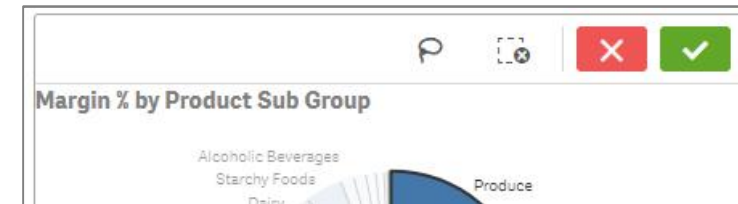
## Chapter List

1. What is Qlik Sense
2. Creating Your Application
3. Improving the Data Load
4. Sense Design and Layout
5. Master Items
6. Chart Types
7. Sense Tables and Pivots
8. Adding More Tables
9. Geographic Visualisations
10. Set Analysis Expressions

# Creating Qlik Sense Applications

## 1. What is Qlik Sense

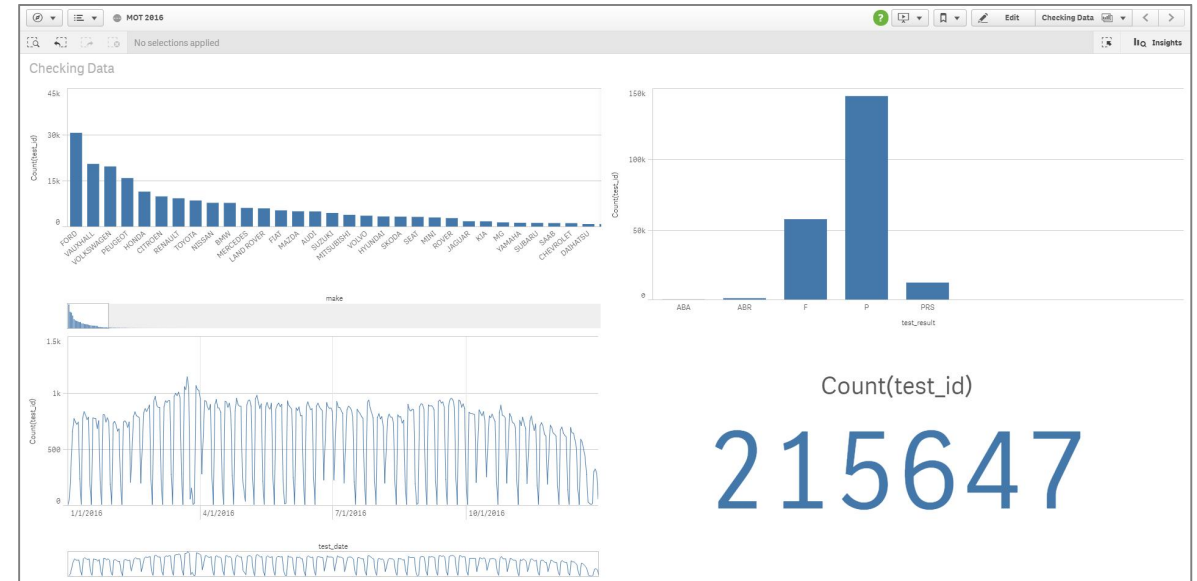
- History and Architecture
- Demos and Possibilities
- Application Features
- The Associative Engine
- Different Sense Versions
- Qlik Resources



# Creating Qlik Sense Applications

## 2. Creating Your Application

- Setting Up Qlik Cloud
- Sourcing Demo Data
- The Sense Load Script
- Connect & Load Data
- Create a Sheet
- Check Data Loaded



# Creating Qlik Sense Applications

## 3. Improving the Data Load

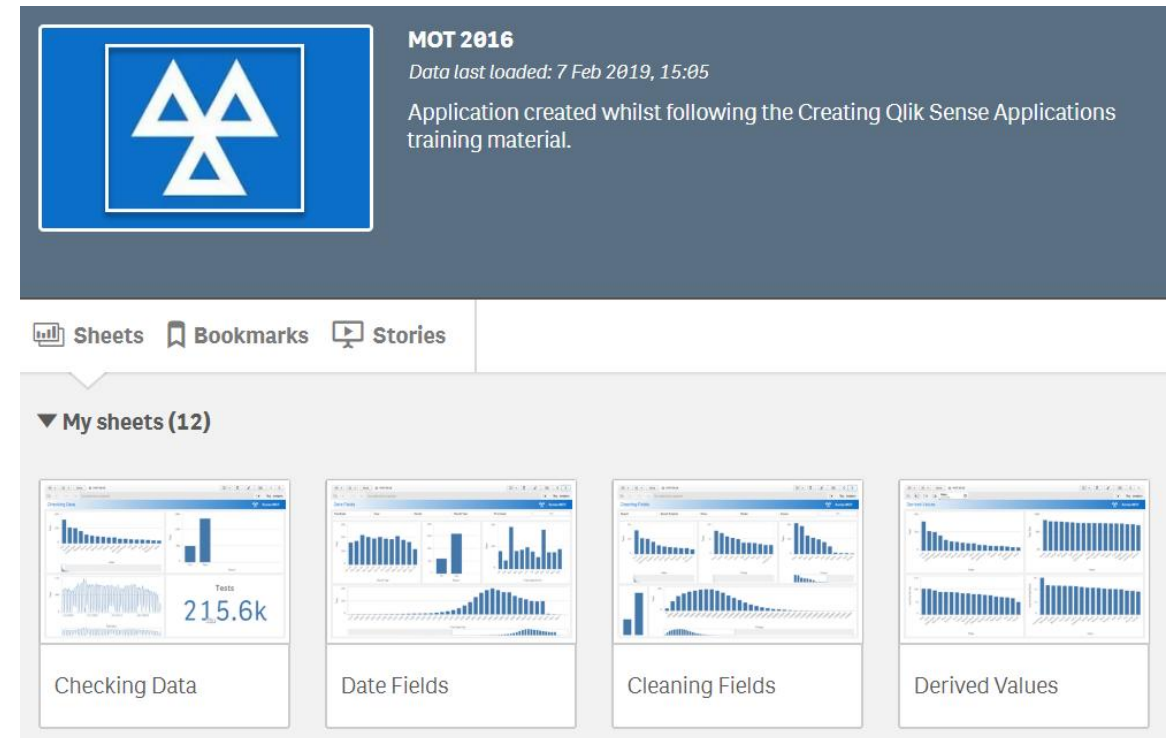
- Field Naming Best Practice
- Optimise Counts
- Work With Dates
- Clean Text Strings
- Derive New Data Values

```
Date(Date#(test_date,  
          'YYYY-MM-DD'),  
      'DD MMM YYYY')      as [Test Date],  
Month(Date#(test_date,  
           'YYYY-MM-DD')) as Month,  
Year(Date#(test_date,  
          'YYYY-MM-DD'))  as Year,  
Date(MonthStart(Date#(  
          test_date,  
          'YYYY-MM-DD')), 'MMM-YY') as [Month Year],
```

# Creating Qlik Sense Applications

## 4. Sense Design and Layout

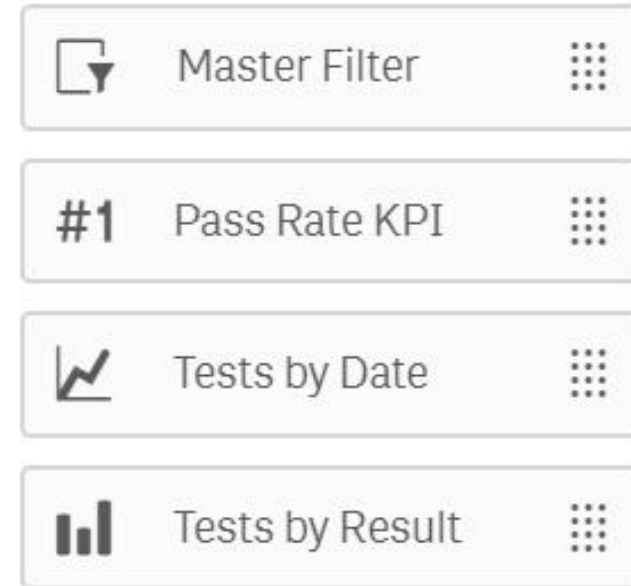
- Creating Thumbnails
- Theming Your App
- Chart Properties
- Dynamic Colours
- Axis Settings
- Design Best Practices



# Creating Qlik Sense Applications

## 5. Master Items

- Why Re-Use Objects?
- Master Dimensions
- Dimension Properties
- Master Measures
- Measure Colours
- Master Visualisations

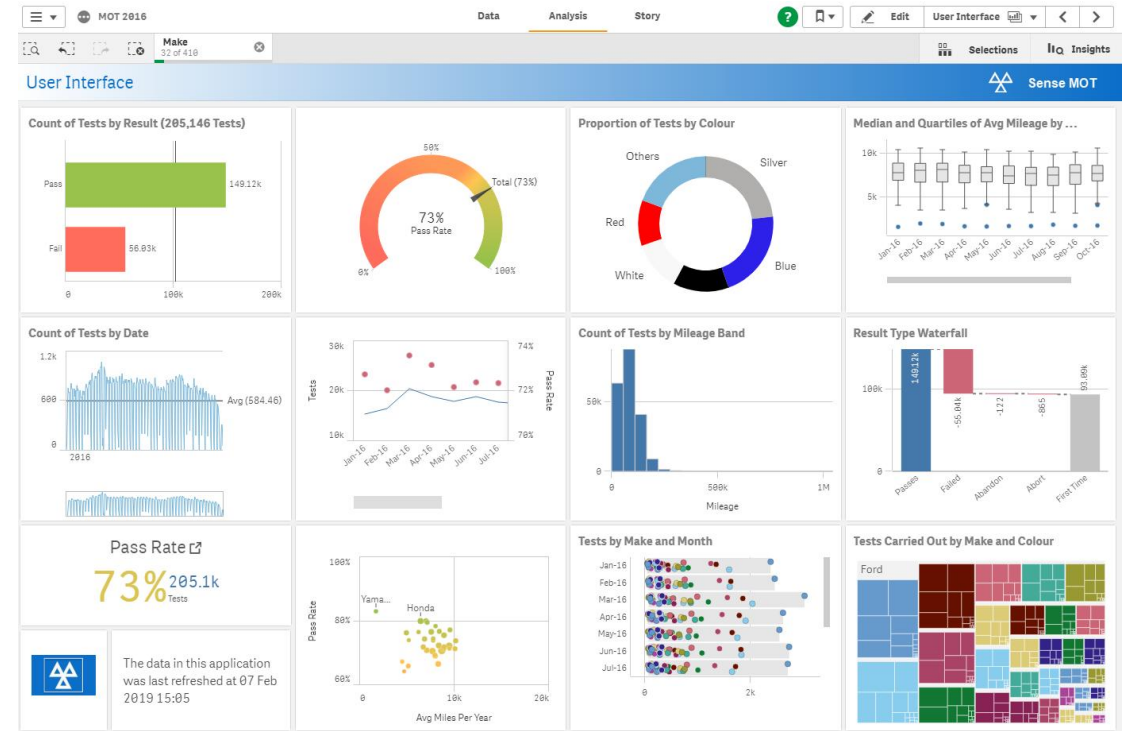




# Creating Qlik Sense Applications

## 6. Chart Types

- Choosing The Right Chart
- Bar Charts
- Line and Combo Charts
- KPIs and Gauges
- Pies and Doughnuts
- Other Available Types



# Creating Qlik Sense Applications

## 7. Sense Tables and Pivots

- Create Straight Tables
- Column Alignment
- Number Formatting
- Web Links
- Conditional Cell Colours
- Pivot Tables

The screenshot displays a Qlik Sense application interface. At the top, there's a navigation bar with 'Sense Tables' and 'Sense MOT'. Below this, a table titled 'Test Count and Pass Rate by Make and Model' is shown. The table has columns for 'Month Year' (Dec-16, Nov-16, Oct-16, Sep-16, Aug-16, Jul-16) and 'Values' (Tests, Pass Rate). The data is presented in a grid where each cell contains a numerical value for 'Tests' and a percentage for 'Pass Rate'. The cells are color-coded: green for high pass rates (e.g., 100%), yellow for moderate pass rates (e.g., 75%), and red for low pass rates (e.g., 50% or 0%). The rows list various car makes and models, such as Abarth, Ac, Access, Adly, Aermacchi, Aixam, Ajp, Ajs, Alfa Romeo, Alvis, American Ironhorse, Apache, Apche, Aprilia, Aprilia, Aprilia, Armstrong, Artic Cat, Asla, Aston Martin, and Audi. The table is interactive, with search filters for 'Make' and 'Model' and a 'Month Year' filter.

	Dec-16		Nov-16		Oct-16		Sep-16		Aug-16		Jul-16			
	Tests	Pass Rate	Tests	Pass Rate	Tests	Pass Rate	Tests	Pass Rate	Tests	Pass Rate	Tests	Pass Rate		
⊖ Abarth	215,647	73%	11,243	74%	16,287	72%	17,848	73%	20,524	74%	18,318	73%	18,681	73%
⊖ Ac	32	81%	2	50%	1	100%	6	83%	2	50%	4	100%	-	-
⊖ Access	2	100%	-	-	1	100%	-	-	-	-	-	-	2	100%
⊖ Adly	2	50%	-	-	-	-	-	-	-	-	-	-	2	50%
⊖ Aermacchi	1	100%	-	-	-	-	-	-	-	-	-	-	-	-
⊖ Aixam	3	67%	-	-	-	-	-	2	50%	-	-	-	-	-
⊖ Ajp	4	75%	-	-	3	67%	1	100%	-	-	-	-	-	-
⊖ Ajs	24	63%	-	-	-	-	1	100%	3	67%	5	80%	3	33%
⊖ Alfa Romeo	467	70%	23	70%	25	60%	38	71%	47	79%	42	71%	34	74%
⊖ Alvis	1	0%	-	-	-	-	-	1	0%	-	-	-	-	-
⊖ American Ironhorse	1	100%	-	-	-	-	-	-	-	-	-	-	-	-
⊖ Apache	1	100%	1	100%	-	-	-	-	-	-	-	-	-	-
⊖ Apche	1	100%	-	-	-	-	-	1	100%	-	-	-	-	-
⊖ Aprilia	168	79%	4	75%	7	71%	13	85%	8	100%	24	75%	16	75%
⊖ Aprilia	1	100%	-	-	-	-	-	1	100%	-	-	-	-	-
⊖ Aprilia	1	100%	-	-	-	-	-	-	-	-	-	-	-	-
⊖ Armstrong	2	50%	-	-	-	-	-	-	-	-	-	-	2	50%
⊖ Artic Cat	1	100%	-	-	-	-	-	-	-	-	-	-	-	-
⊖ Asla	1	0%	-	-	-	-	-	-	-	-	-	-	-	-
⊖ Aston Martin	75	91%	3	67%	11	91%	6	83%	4	100%	12	83%	3	100%
⊖ Audi	4,901	74%	290	76%	369	72%	411	73%	458	76%	442	74%	442	74%

# Creating Qlik Sense Applications

## 8. Adding More Tables

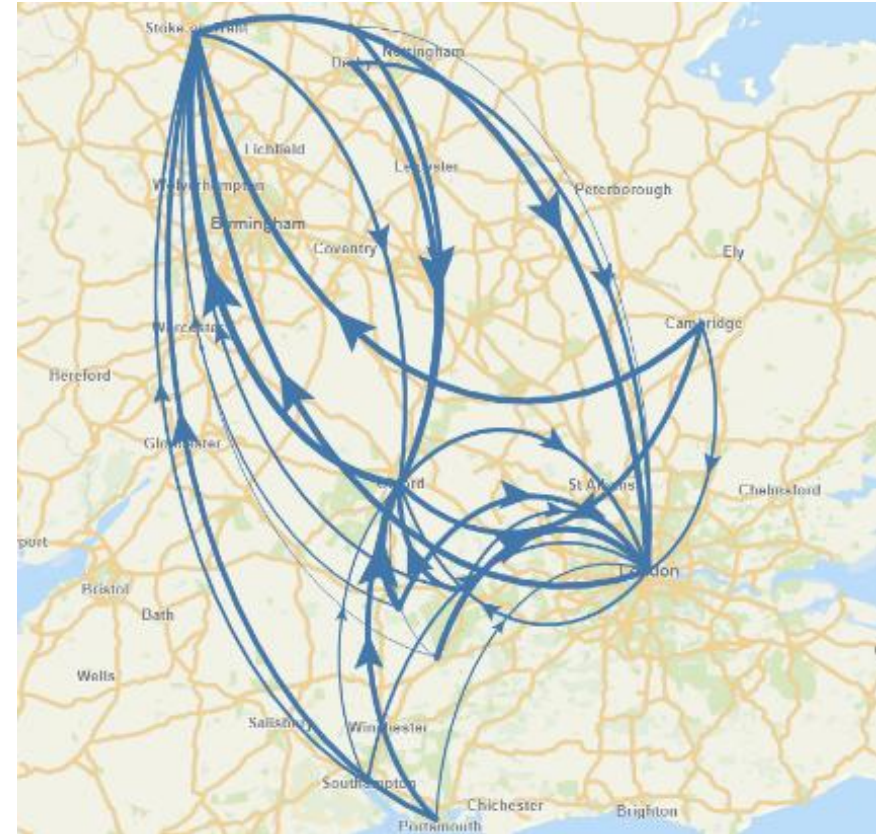
- Simple Associations
- ApplyMap Lookups
- Composite Keys
- Inline Tables
- Field Aliasing
- WHERE EXISTS



# Creating Qlik Sense Applications

## 9. Geographic Visualisations

- A Map in 60 Seconds
- GROUP BY Aggregation
- Sourcing Geo Data
- Concatenation
- Point Based Maps
- Other Types of Maps

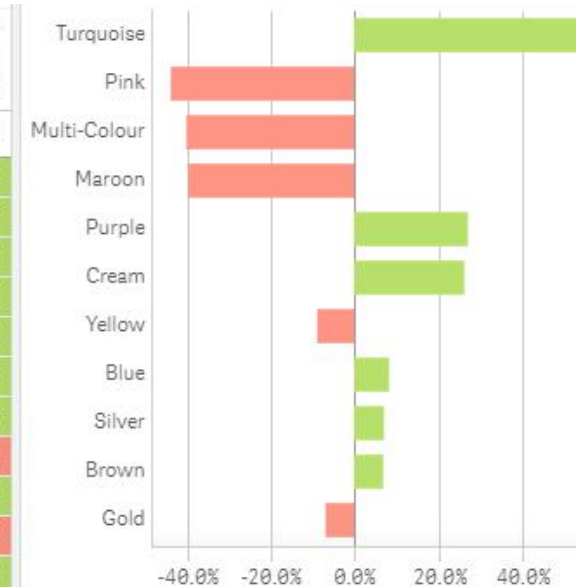


# Creating Qlik Sense Applications

## 10. Set Analysis Expressions

- Set Analysis Components
- String Matching
- Numeric Comparisons
- Variables
- Point In Time Sets
- Prior Period Comparisons

Colour	Tests Jun-16	Tests May-16	Prior Month Difference	Prior Month Variance
<b>Totals</b>	<b>19,804</b>	<b>18,815</b>	<b>989</b>	<b>5.26%</b>
Silver	4,477	4,179	298	7.13%
Blue	4,141	3,821	320	8.37%
Black	2,720	2,603	117	4.49%
White	2,366	2,332	34	1.46%
Red	2,260	2,122	138	6.50%
Grey	1,701	1,678	23	1.37%
Green	1,177	1,105	72	6.52%
Yellow	197	216	-19	-8.80%
Beige	163	157	6	3.82%
Gold	151	162	-11	-6.79%
Orange	126	120	6	5.00%



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