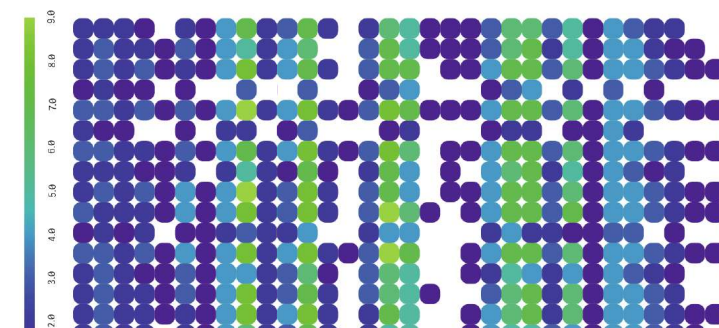
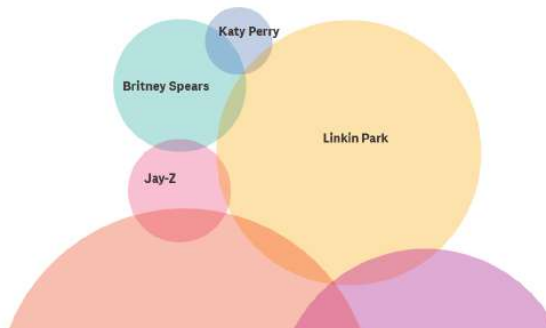
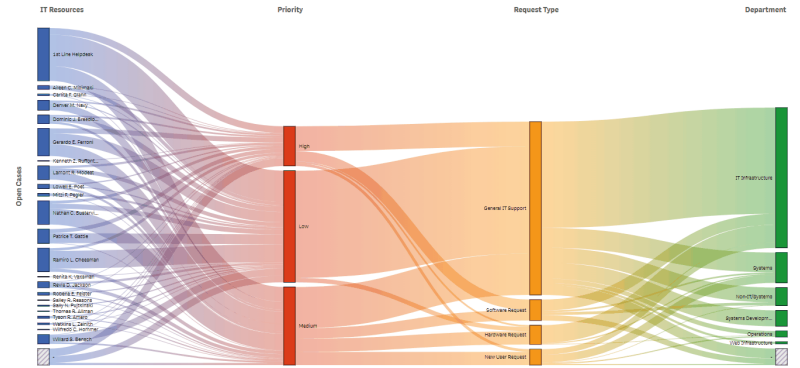
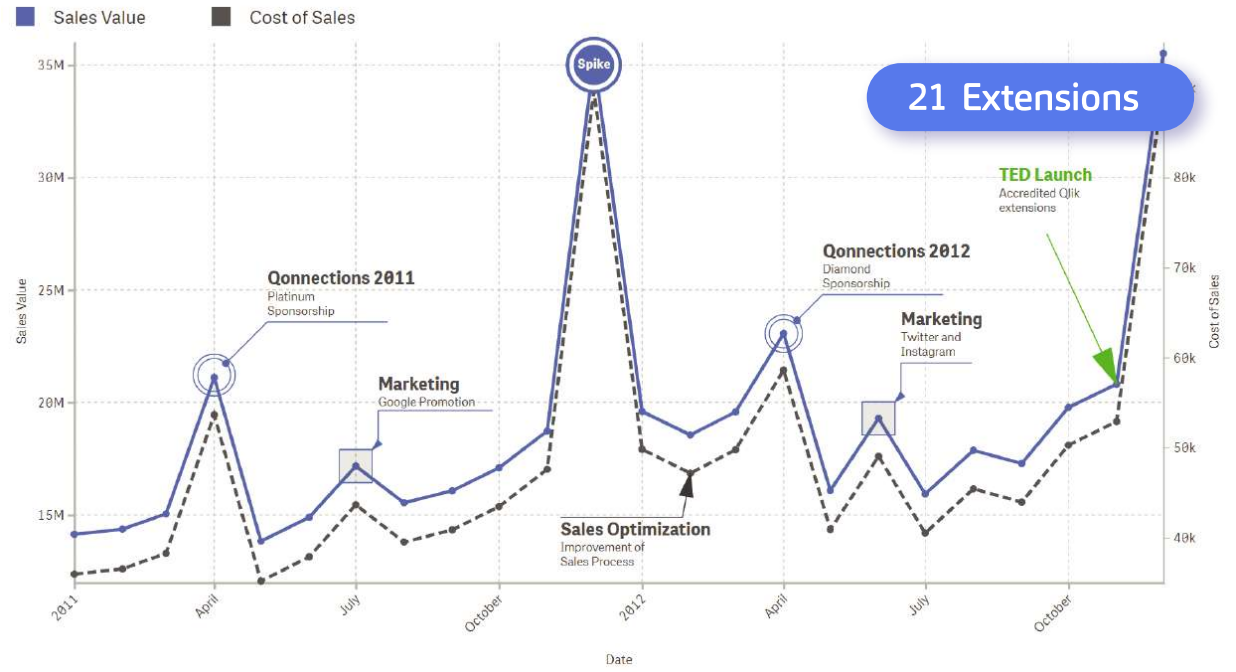


# vizlib Library

Designed for pixel-perfect dashboards  
and visual analytics in Qlik Sense





## Designed for pixel perfect dashboards and visual analytics in Qlik Sense™

Vizlib Library is by far the most powerful dashboarding solution for Qlik Sense. The incredibly intuitive user experience that requires zero coding saves dashboard builders countless development hours and opens doors to game-changing customisation opportunities.

Add to that our famous out-of-the-box capabilities, and you have the dataviz wow that your end users crave.



### Ease of Use

Our intuitive user interface allows anyone to gain immediate insights from data (no coding required!), sending your organisation's level of analytics adoption through the roof.



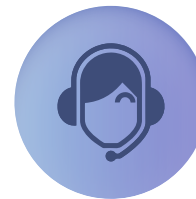
### Rich Customisation

Customise chart colours, fonts, metrics and interactivity to achieve a pixel-perfect look and have full control over how your dashboards are presented.



### Added Capabilities

Do more with your Qlik Sense apps simply by adding powerful out-of-the-box features and data visualisations that tease out meaningful insights from your data sets.



### Enterprise Support

We're not just some third-party vendor – we are an extension of your team, giving you the much-needed peace of mind that your Qlik Sense projects will take off smoothly.

# What's included in the **Vizlib Library** package?

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## Advanced Charts

Vizlib's advanced charts combine beauty with functional prowess



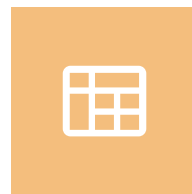
## Basic Charts

There's nothing basic about the Vizlib basic charts



## Navigation Tools

Our navigational extensions redefine the dashboarding experience



## Tables

Nothing beats the organisational bliss that comes from tables



## UX Components

Built to help you create a more intuitive user experience, Vizlib's UX component extensions are fully customisable and inherently powerful







# Basic Charts

There's nothing basic about the Vizlib basic charts

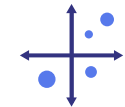
Up your data visualisation game with advanced capabilities for the most popular dashboarding extensions, such as reference lines, custom HTML tooltips, benchmark bars, support for alternate states, customisable backgrounds and more! On top of that, you get access to advanced analytics capabilities including forecasting and clustering.



Pie Chart



Bar Chart



Scatter Chart



Line Chart



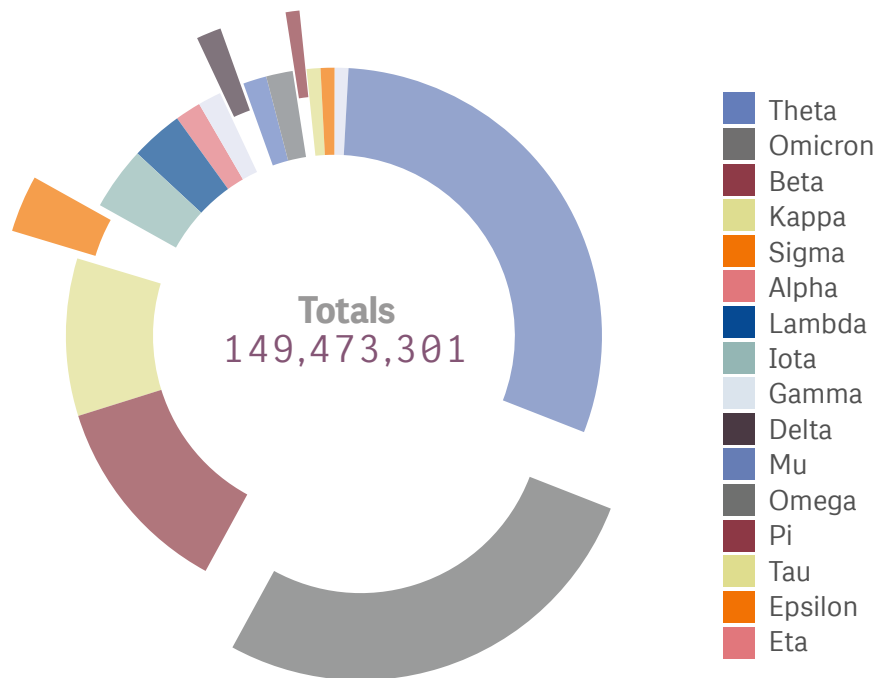
Combo Chart



## Vizlib Pie Chart

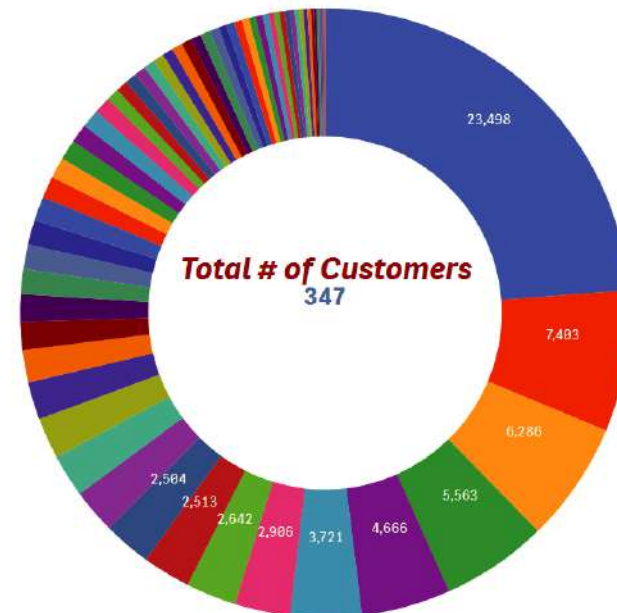
The Vizlib Pie Chart gives you unlimited customisation possibilities. Packed with advanced features, such as custom colour palettes, enhanced tooltips, smart legend positioning, rich formatting

and full interactivity control, it allows you to turn the humble pie chart into a compelling visualisation.



Sales \$ by Sales Rep

Judy Thurman TAGnology Cheryl Sirocock John Greg Brenda Gibson Brad Taylor Amanda Honda



# vizlib Pie Chart

## Features

Supports Legend Control, including flexible positioning: bottom, top, left, right and radial

Powerful tooltip: ability to add additional metrics and KPIs and present them on hover

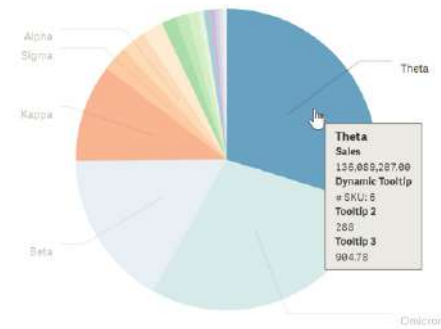
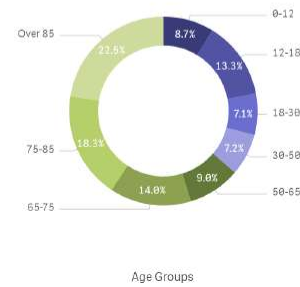
Ability to choose from a wide range of colour palettes or pick your own colours

Full control over interactivity and ability to turn native functionality off (i.e., full screen or snapshot buttons)

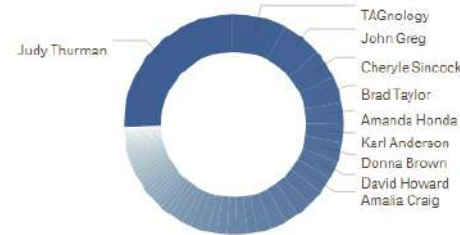
Custom Totals: ability to enter your own total calculations and place labels inside the chart

**Common Business Use Cases** - Pie charts are great for displaying data for up to 6 different categories. In business, they're most often used to visualize percentage or proportional data when trying to work out the composition of something or compare areas of growth within a business, such as profit, turnover, exposure or similar.

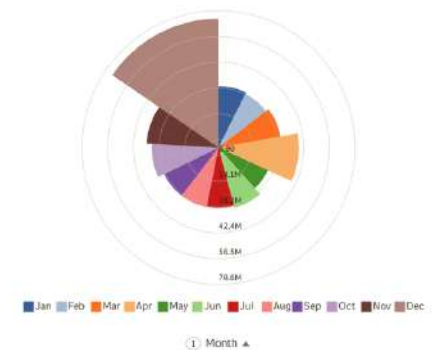
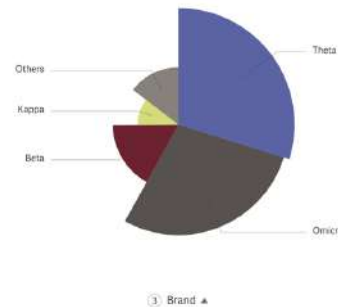
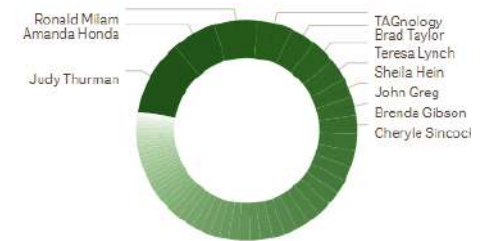
Avg Cost Per patient by Age Group

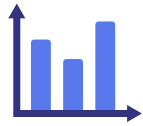


Margin Amount by Sales Rep



Budget by Sales Rep



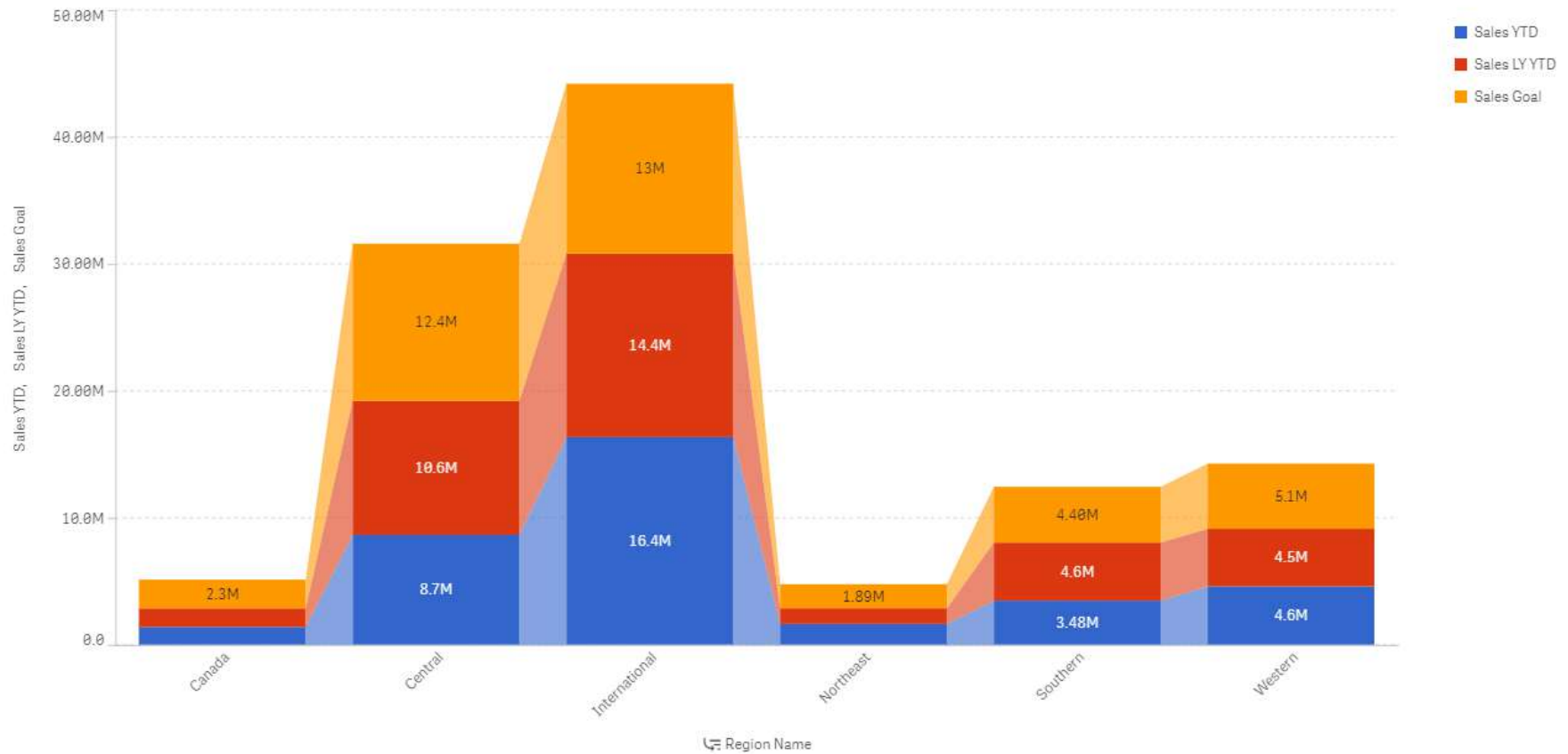


## Vizlib Bar Chart

The Vizlib Bar Chart supports either two dimensions and one metric, or one dimension and multiple metrics. It gives you full control over formatting, display, bar type presentation, addition of markers and icons,

colouring, dynamic interactivity behaviour and the axis, dramatically improving the standard capabilities of the native Qlik Sense Object.

Sales: YTD vs LYTD vs YTD Goals





# vizlib Bar Chart

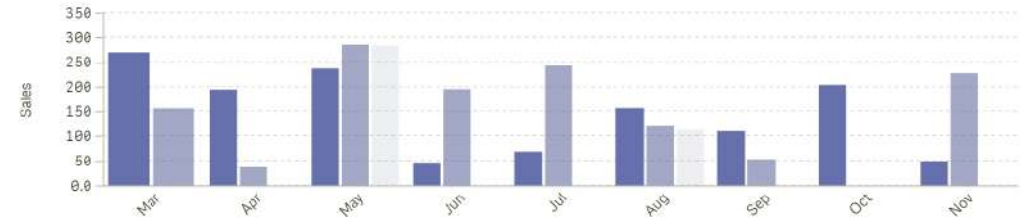
## Features

- Fully customizable Multi-Bar Chart with rich formatting options
- Ability to choose from Stacked, Grouped or Overlapping Bars
- A wide selection of symbols as data point representations
- Ability to implement connected bars for stacked presentation type
- Provide more context with the ability to add reference lines for both the x and the y-axis or benchmark bars for metrics
- Support for custom numerical abbreviations
- Show values feature for icons and symbols
- Horizontal and Vertical Display Mode
- Support for Alternative Dimensions & Measures
- Full interactivity support and ability to turn native functionality off
- Option to accumulate metric values over the x-axis
- Support for Alternate States

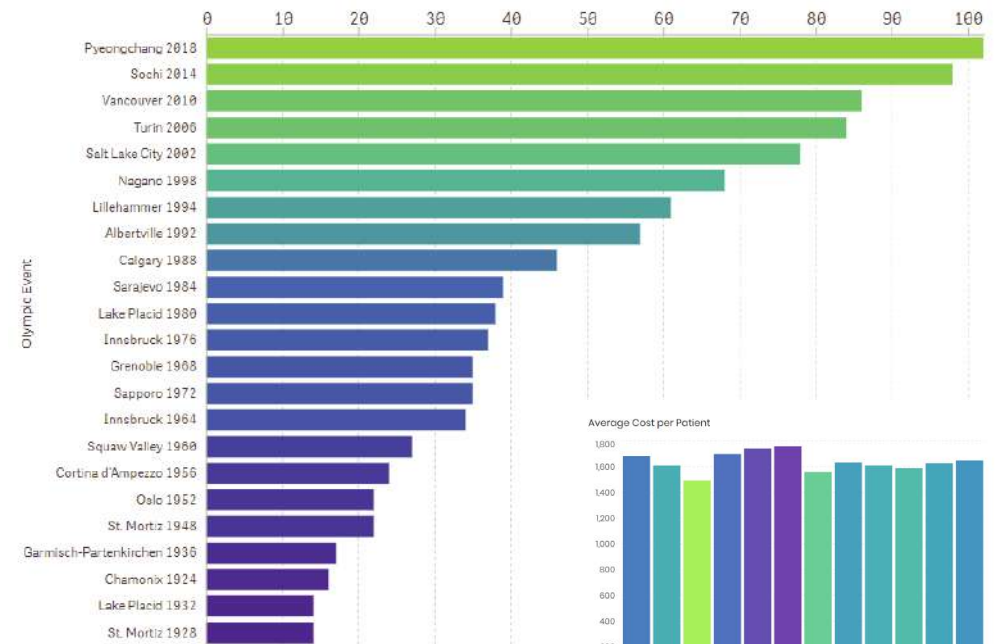
**Common Business Use Cases** - The bar chart is one of the most popular types of graph because it's so simple to create and so easy to interpret. The bar chart is great for making comparisons between various categories and visually presenting key data like financial forecasts and outcomes, survey responses, sales figures or any other nominal or ordinal data. The Vizlib Bar Chart also supports grouped bars, stacked bars and overlapping bars, which means you can create more complex, colour-coded comparisons, such as comparing two products within the same category.

### Sales over the months and years

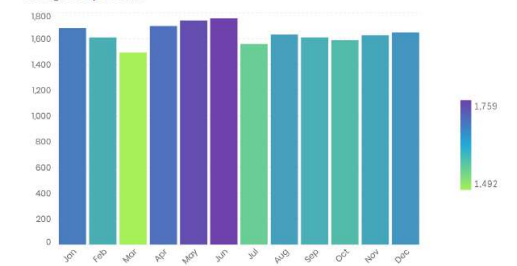
Historic bars are faded away



### Number of Olympic Events



### Average Cost per Patient

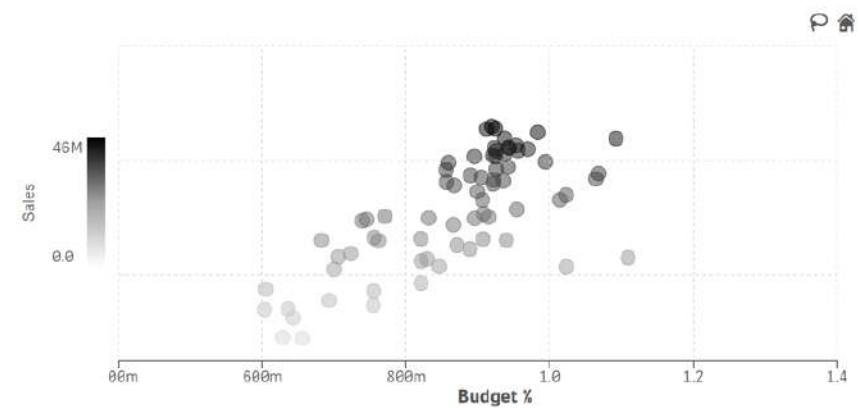
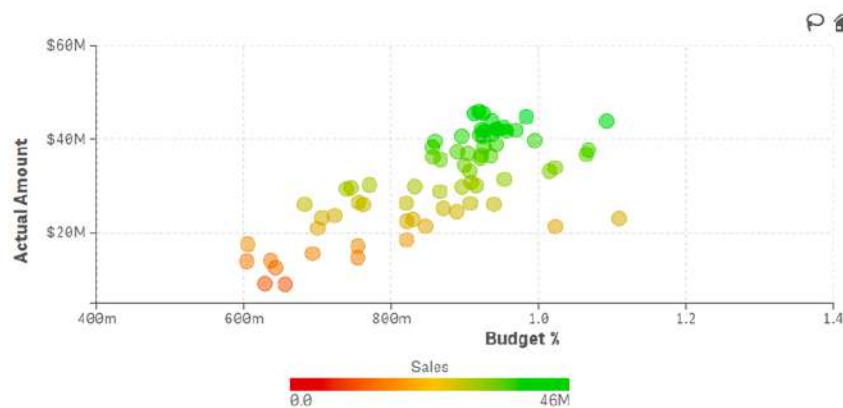
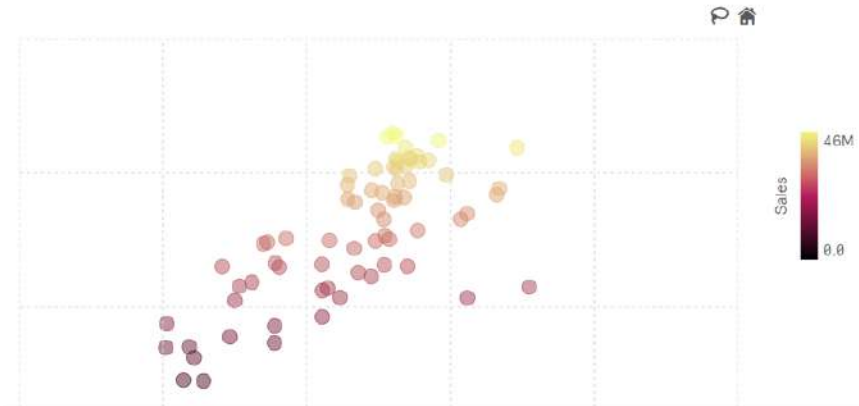
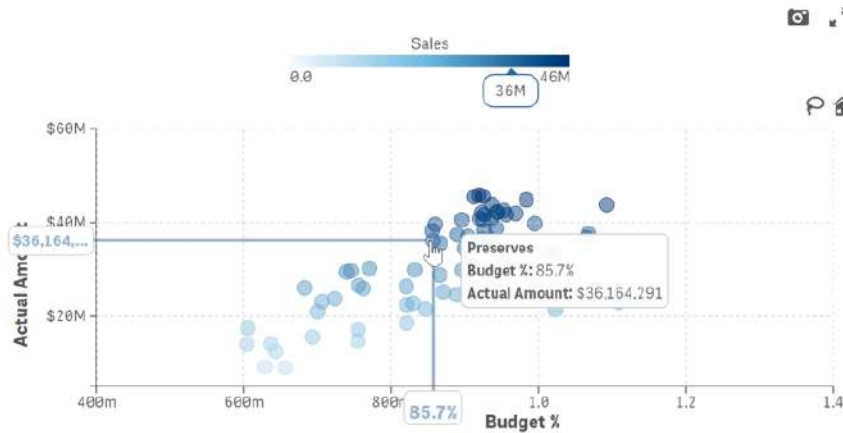




## Vizlib Scatter Chart

The Vizlib Scatter Chart allows you to create powerful data visualisations by displaying the relationship between two quantitative measures for different categories as well as adding a third dimension of data through the use of size and colour for your data points.

It comes loaded with a range of useful features, including the ability to cluster data points, add reference objects for more context as well as leverage number abbreviation support, negative value formatting, full interactivity, zooming and navigation functionalities.



Support for one dimension (Second-time dimension optional) and three metrics (x/y/bubble size)

Ability to style your text in any way and size you wish

Ability to add and style legend titles

Ability to add Reference Lines, Bubbles and Areas for more context

Clustering feature for advanced analytics with several different algorithms, custom number of data points and the distance between them

Full interactivity support including Lasso functionality for selecting values

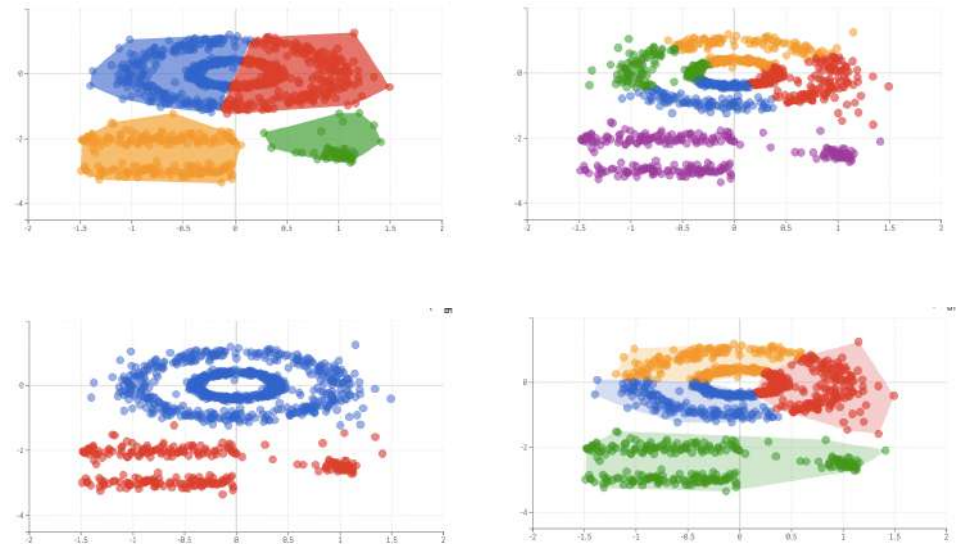
Number abbreviation support and negative values formatting

Free zooming and navigation on the Scatter Plot

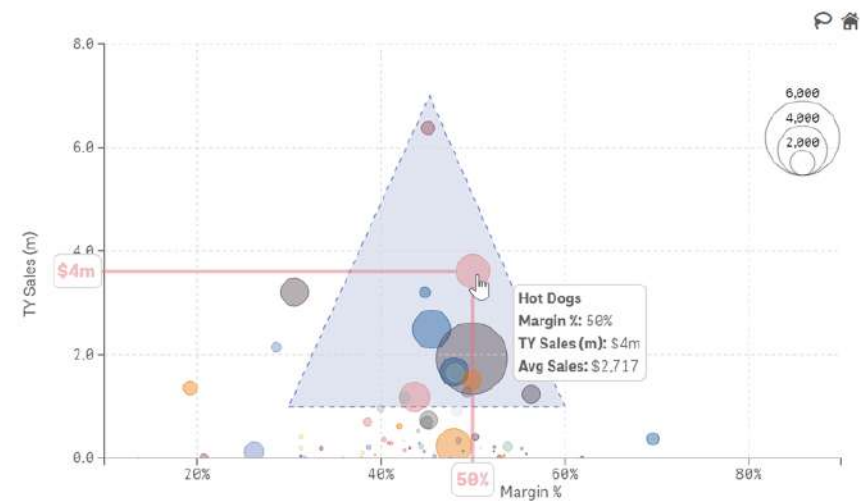
Support for Alternate States

**Common Business Use Cases** - The scatter chart is used to visually explore the potential existence, extent or absence of a significant correlation between the plotted variables and makes it super easy to identify outliers. In a business context, the scatter chart is a go-to visualisation for various relationship analyses, such as sales vs. margin, ad spending vs. sales, revenue vs. customer satisfaction, revenue by product category, etc.

## Data Clustering



## Sales vs Margin



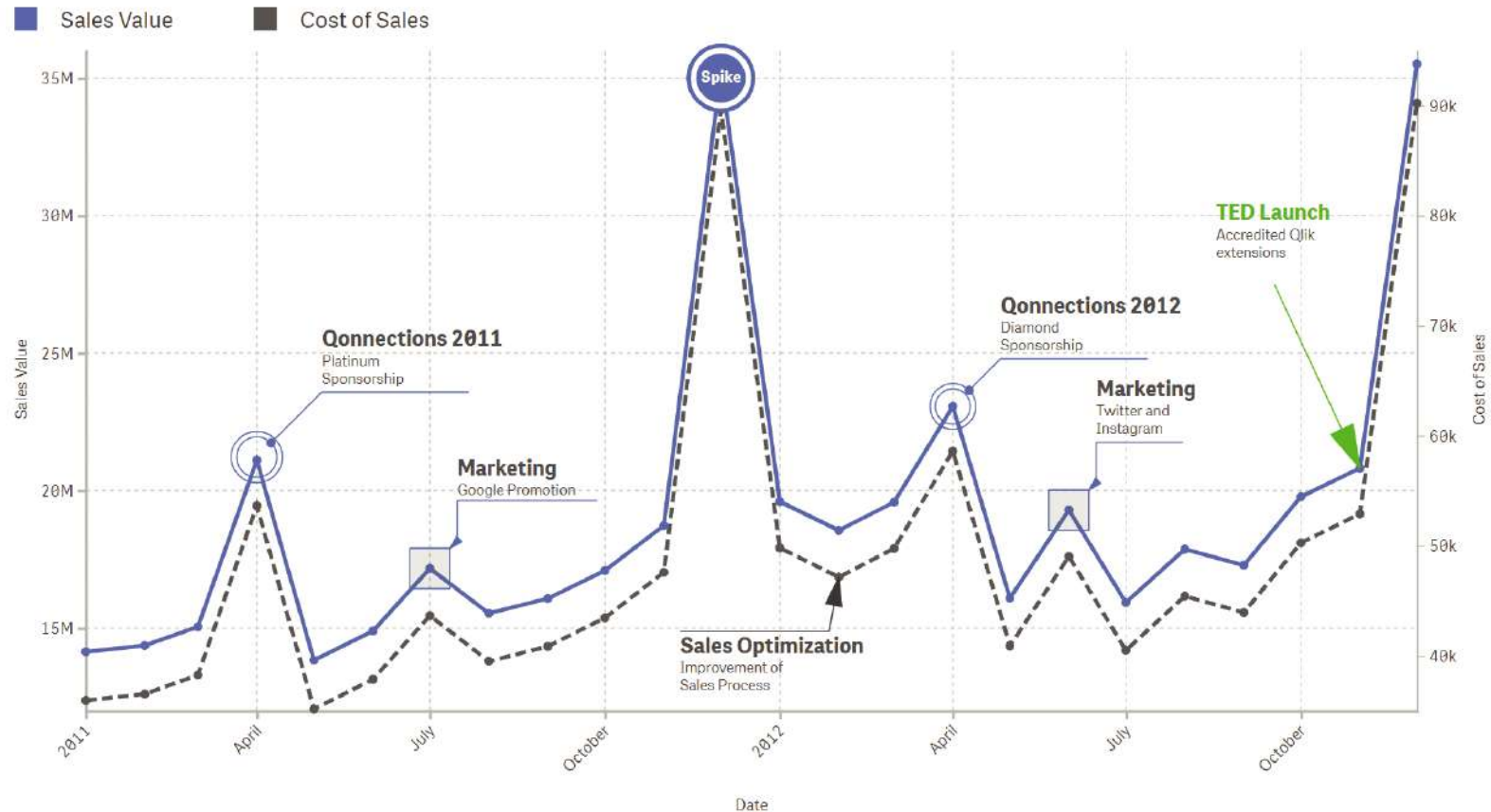
Sales vs margin for Q1 2017



## Vizlib Line Chart

Vizlib Line Chart is a highly customisable, supported and easy-to-use extension for Qlik Sense, which provides features such as embedding of images, reference objects,

forecasting ability with four different calculation models and custom definition period, font and size control, interactivity, custom colours, Pie/Donut Chart for total split and more!



# vizlib Line Chart

## Features

Fully customisable Multi-Line Chart with rich formatting options

Ability to choose between Line or Area chart and pick the interpolation method (Linear, Step, Cubic etc.)

A wide selection of data point representations, from symbols to images

Split totals by a second dimension represented by a Pie or Donut Chart

Full interactivity support and ability to turn native functionality off

Negative values formatting

Zoom-in feature

Option to accumulate metric values over the x-axis

Date/ time/ duration formatting for the y-axis

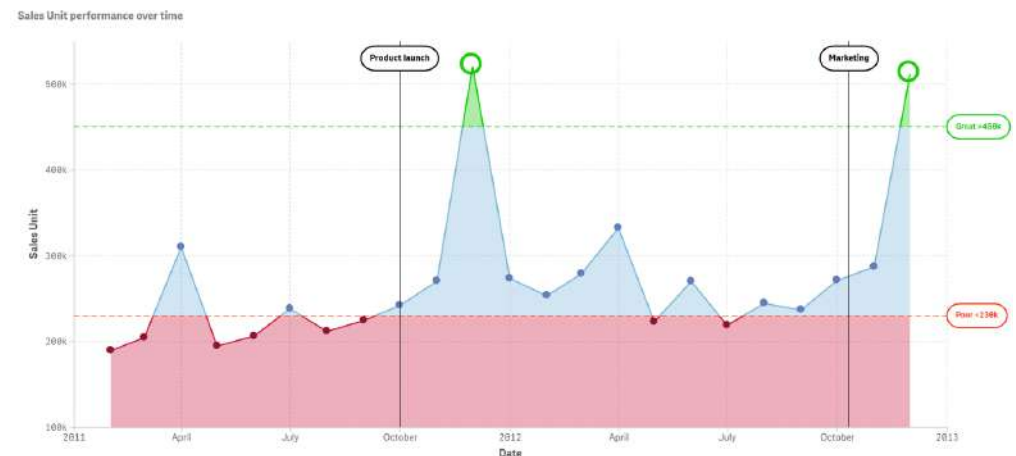
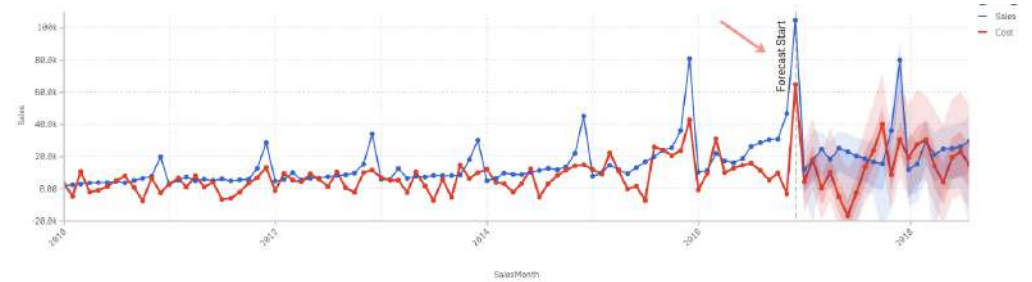
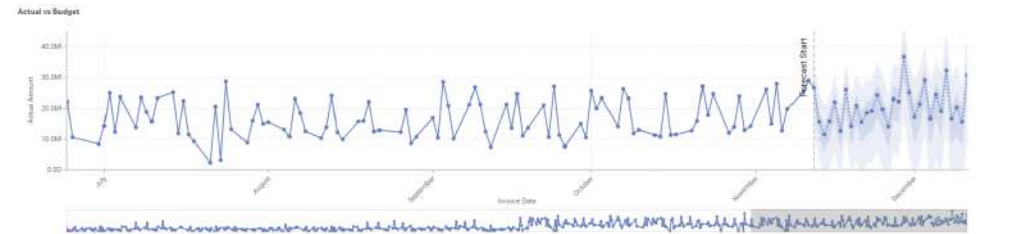
Ability to add trend & regression lines

Forecasting for advanced analytics with custom period of definition and several different models of smoothing

Alternate states support

**Common Business Use Cases** - Business users go with the line graph when they need to display change over time, identifying trends over time and making predictions about data points. This chart lends itself beautifully to mapping and understanding changes happening over a continuous period of time, such as profits increasing over time, website traffic increasing over time, performance changing over time and so on.

## Data Forecasting

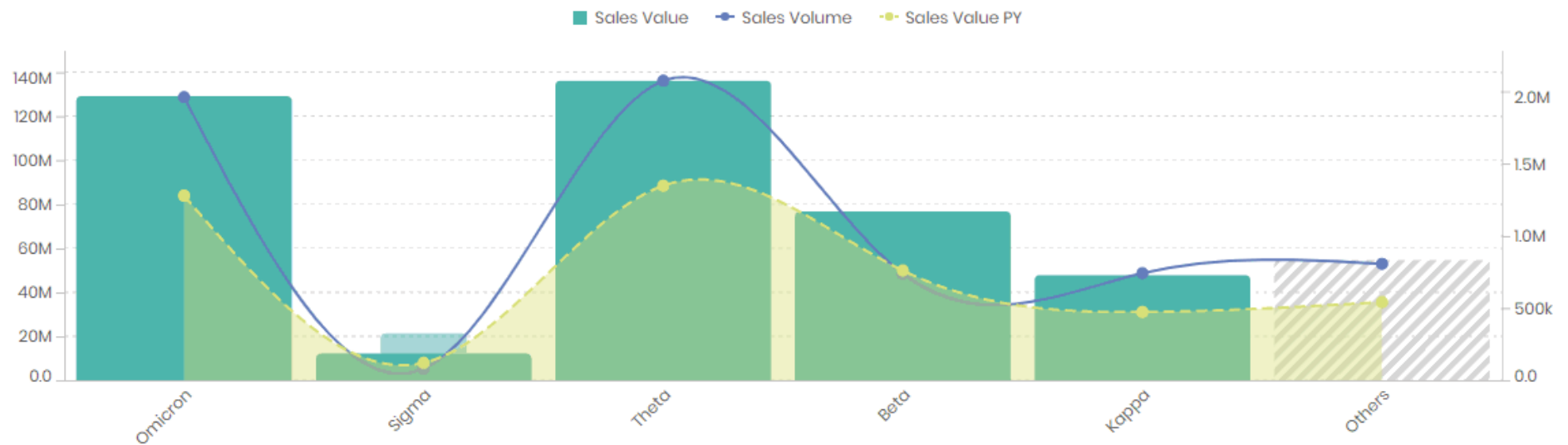




## Vizlib Combo Chart

Combining some of the most powerful features of the Vizlib Bar Chart and Line Chart, the Vizlib Combo Chart enables you to extract more meaningful insights at a glance when exploring trends or comparing different sets of data. With the possibility to add a benchmark, reference lines and interactivity, you can easily enrich your data

with more context and deliver a truly intuitive user experience. The Vizlib Combo Chart also allows you to control the formatting, display, line or bar type presentation, addition of markers or icons, colouring, dynamic interactivity behaviour and the axis!



# vizlib Combo Chart

## Features

Fully customisable Combo Chart with rich formatting options

Choose between Bar, Line/Area, Icon or Symbol to visualize your data points

Wide selection of symbols as data point representations

Ability to show values for icons and symbols

Benchmark bars

Ability to add reference lines for both the x and the y-axis

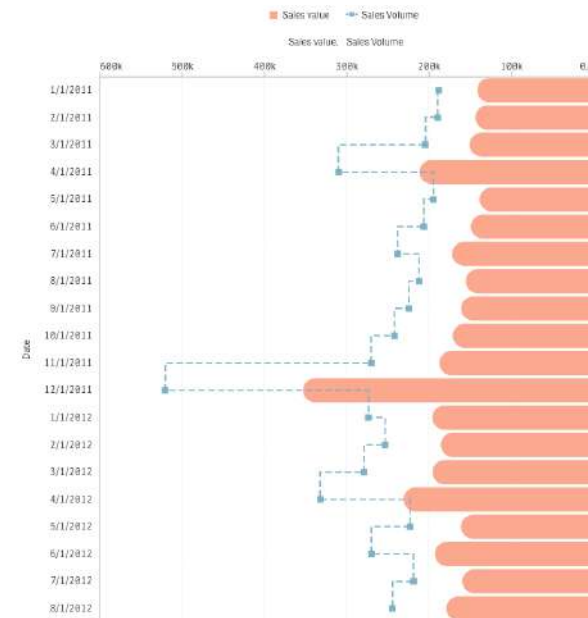
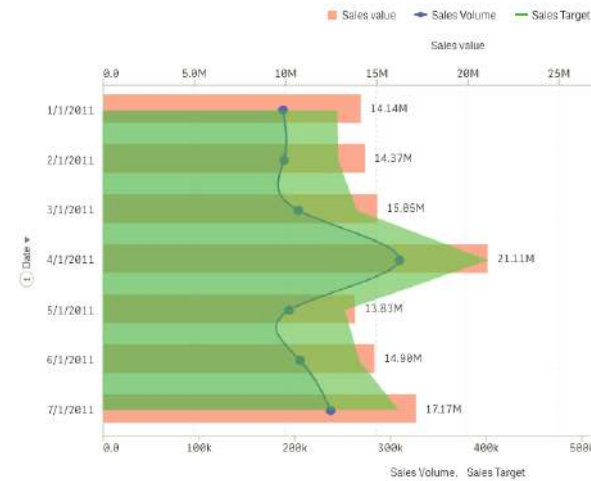
Horizontal and Vertical Display Mode

Support for Alternative Dimensions & Measure

Full interactivity support and ability to turn native functionality off

Support for Alternate States

**Common Business Use Cases** - The combo chart can be particularly useful for when you want to visualize mixed sets of data to better understand the correlation between the two. For instance, you could explore the variance between forecasted sales and actual sales or visualize costs versus return.









# Advanced Charts

Vizlib's advanced charts combine beauty with functional prowess

Make your dashboards more dynamic with full control over interactivity options and rich formatting. Tap into the power of guided analytics by leveraging Vizlib Actions and dynamic visibility conditions. Don't stop at basic charts, elevate your Qlik Sense apps to new heights.



KPI Designer



Sankey Chart



Activity Gauge



Heatmap



Venn Diagram



Mekko Chart



Story Timeline



# Vizlib KPI Designer

The Vizlib KPI Designer is a new approach to a pixel-perfect design of your dashboards for Qlik Sense.

With the ability to combine charts, metrics and icons into your very own KPI object and the possibility to overlap layers, you can achieve any layout!

## Layer Options

- Text
- Icon
- Image
- Line
- Bar Chart
- Line Chart
- Bullet Chart
- Gauge
- Master Item
- Pie Chart

The screenshot shows the Vizlib KPI Designer interface. The main workspace displays a KPI card titled "Contractor spend" with a value of "€14.3M" and a change of "0.6% YoY". Below the KPI card is a Sankey diagram showing the flow of spend between various categories: Q, A, I, L, Others, C, B, A, f, e, d, c, b. The interface includes a top navigation bar with "Data", "Analysis", and "Story" tabs, and a right-hand panel for layer configuration. The right-hand panel shows the "Layers (6)" section with options for "Title", "Value", "Percent", "Percent Label", "Second Value", and "Layer 6". The "Layer 6" section includes a "Layer Name" field with the value "Layer 6". The bottom of the right-hand panel shows "Add-ons" and "Appearance" sections.

Choose from seven custom layers to create your very own Vizlib KPI Object

Rich customization and formatting options for each layer including styling and layout options

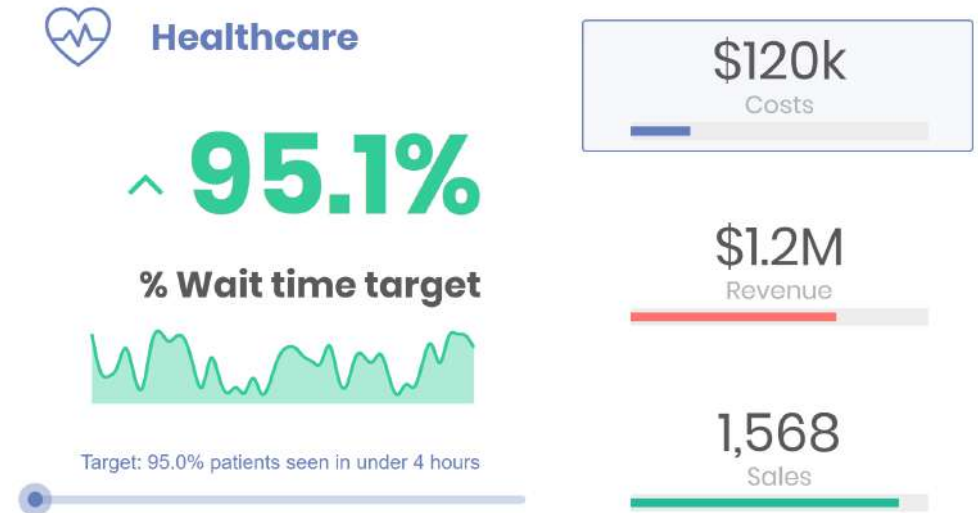
Support for (multiple) Actions to improve the user experience and user interactivity, either on layer level (different actions on different layers) or as a global settings.

Choose from a list of pre-defined pre-sets to speed up your Vizlib KPI Object Design process

Pixel-perfect Positioning of layers, inclusive responsive design. Overlaying of layers allows for 100% design accuracy.

Dynamic visibility conditions to show or hide layers based on Qlik expressions or variables.

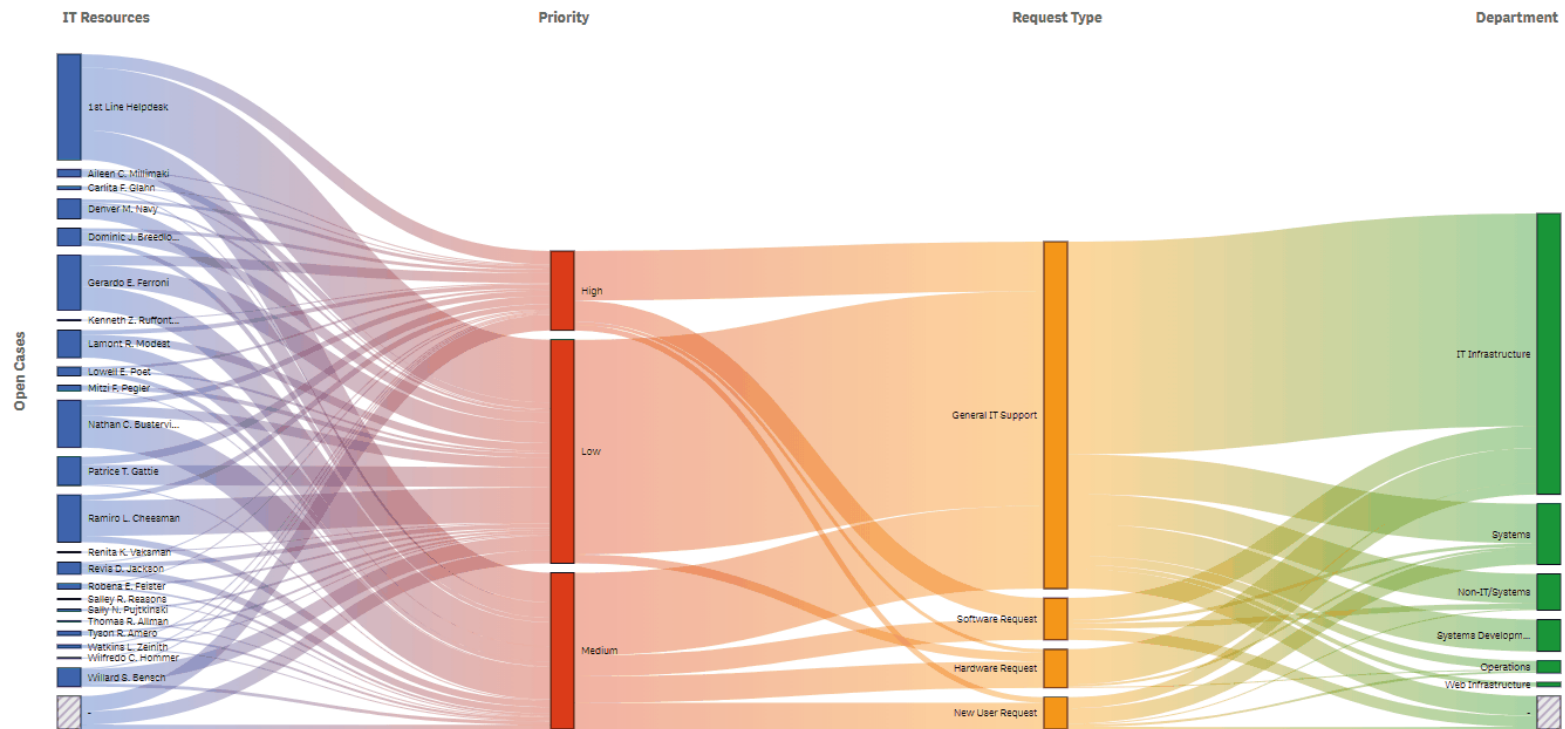
**Common Business Use Cases** - KPI dashboards allow businesses to quickly surface key data and glean insights necessary to make critical business decisions. KPIs can be used at all levels across an organisation to measure and evaluate success at reaching strategic goals and targets. High-level KPIs will usually focus on a company's overall performance, while low-level KPIs aim to track progress on a department or employee level. KPI examples include cost per lead, sales target, marketing ROI, sales growth, product performance, sales per sales representative, goal completion rate, etc.





# Vizlib Sankey Chart

The Vizlib Sankey Chart supports one measure and multiple dimensions. It gives you full control over formatting, display, interactivity and labelling, introducing another powerful and supported visualisation into the Qlik ecosystem.



# vizlib Sankey Chart

## Features

Transitions between selection states for a better understanding of how your data is filtered

Innovative interactivity modes: Zooming, Vertical Dragging, rearranging Dimensions

Sorting of dimensions

Support for Alternative Dimensions & Measures

Conditional Show/Hide of Dimensions for a full drill-down experience

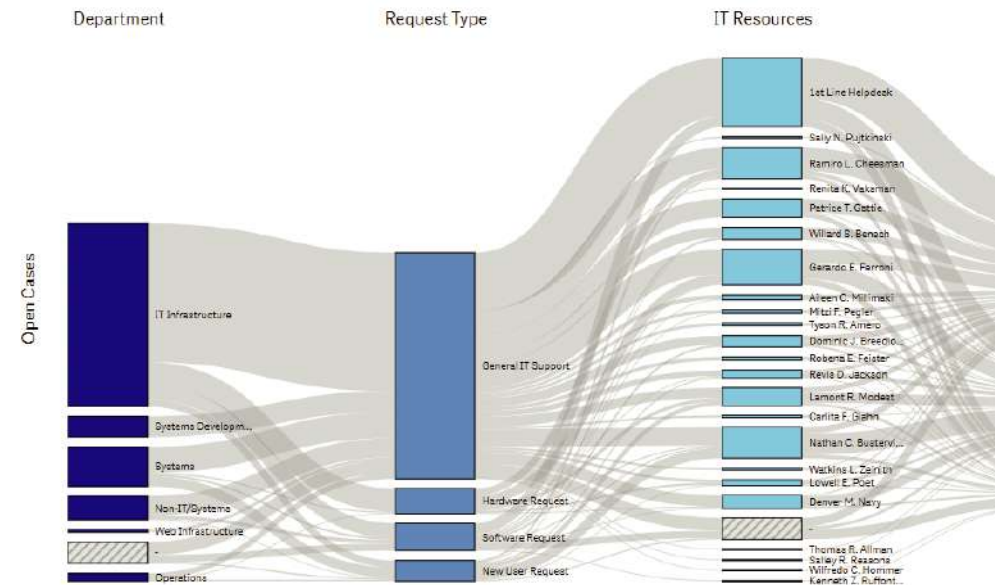
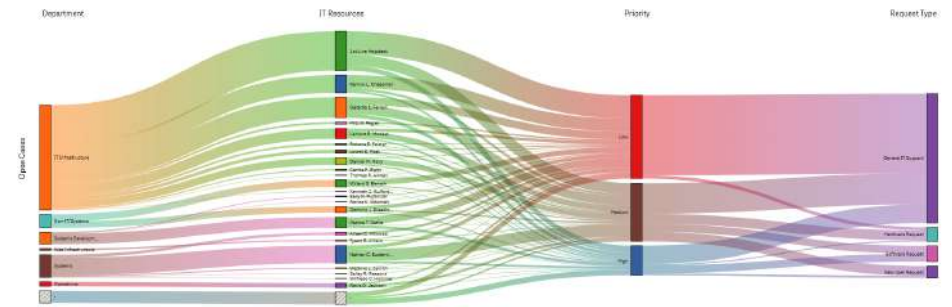
Colouring options by node, dimension or measure

Several colouring types: gradient, sequential, classes, expression

Full interactivity support and ability to make the chart read-only

Support for Alternate States

**Common Business Use Cases** - The sankey chart is often the go-to solution for easily visualising the flow of data and quickly identifying the 20% of dimension values in your data that are responsible for the 80% of the outcome. Specific business use cases for a sankey chart can include scenarios like cash flow per transaction, sales path to purchase, patient journey mapping or any other situation where you need to highlight the flow of information within a dataset.

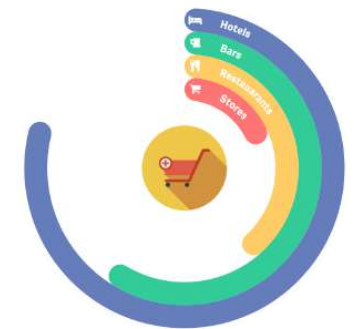




## Vizlib Activity Gauge

The Vizlib Activity Gauge allows you to compare multiple quantitative measures or one quantitative measure split by categories – and do it in style!

With full control over customisation of the arc, bespoke font formatting and colour palette, you can create truly powerful and beautiful gauge visualisations.



# vizlib Activity Gauge

## Features

One dimension + Metric or up to 10 different metrics

Full control over the customisation of the arc width, corner rounding and distance

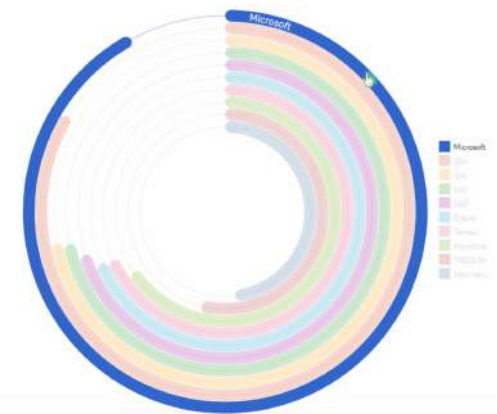
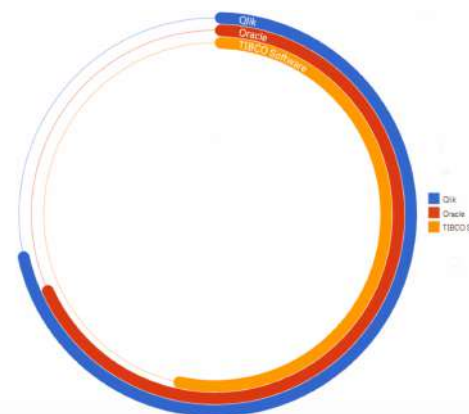
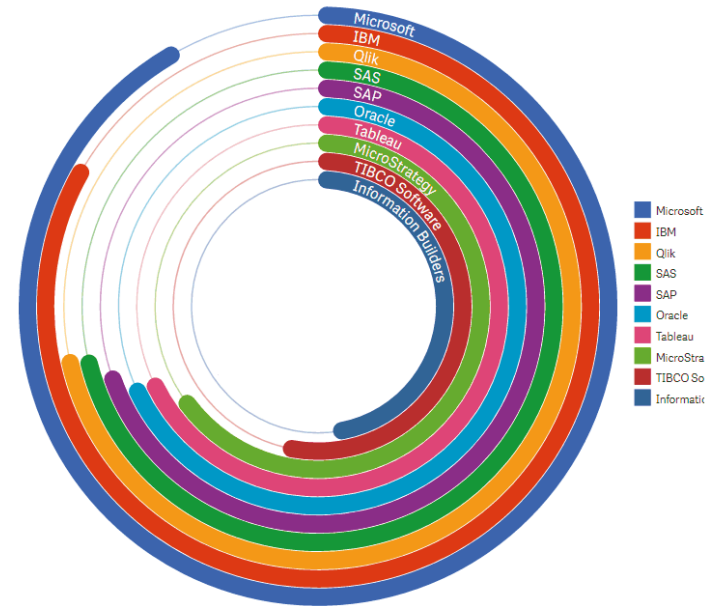
Ability to choose your own colour palette for a bespoke visualisation

Interactivity: make selections either in the chart or in the legend

Bespoke font formatting: font size and colour, font family and style

**Common Business Use Cases** - The activity gauge is commonly used to visually explore the relative performance of categories for a direct comparison in radial bars. In a business setting, the chart can be used to compare sales by different categories, performance by sales representative, costs year-on-year, brand sentiment over years, etc.

Avg. Completeness vs. Avg Ability to Execute over Years







Support for Legend Control including flexible positioning: bottom, top, left, right and radial. Plus, left/right alignment, legend scale and labels

Support for multiple measures to populate the Powerful tooltip – add additional metrics and KPIs and present them on hover

Ability to choose from a wide range of colour palettes or set your own colours

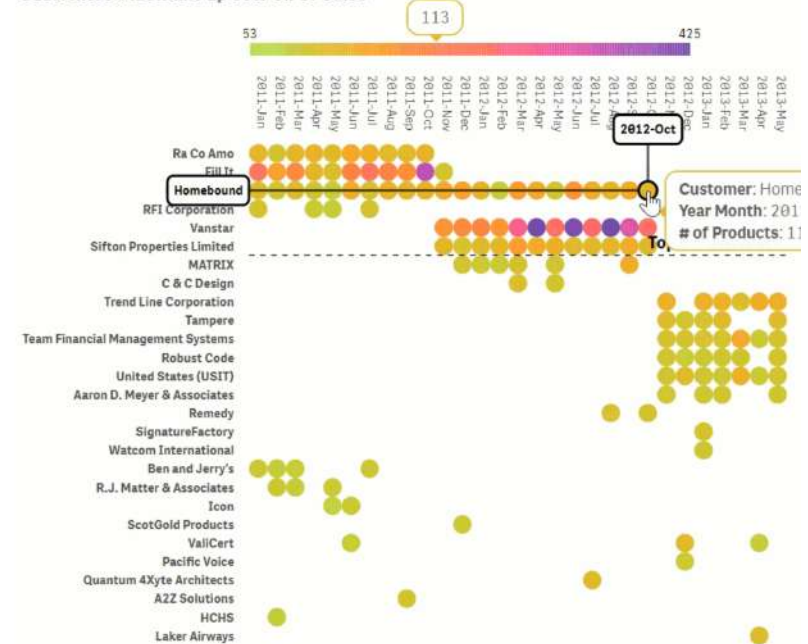
Responsive measure values font

Ability to change the font style, font family, font size and font colour of the rows and columns titles

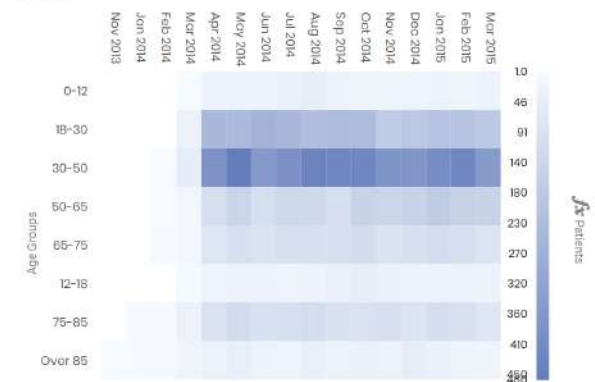
Reference lines: ability to add X and Y-axis dimension lines to help display targets or thresholds

Full control over interactivity and ability to turn native functionality off (i.e., full screen or snapshot buttons)

Customers that make up over 5% of Sales



Reason

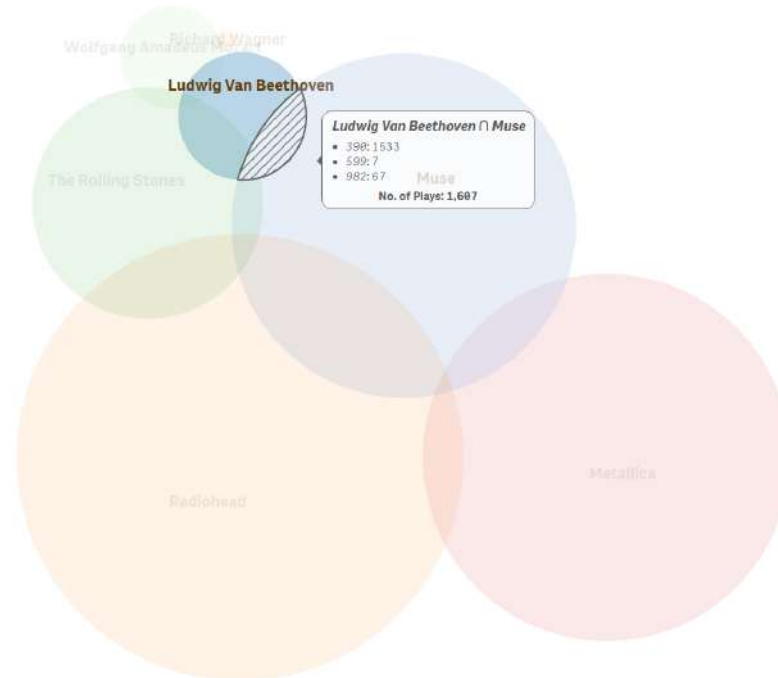
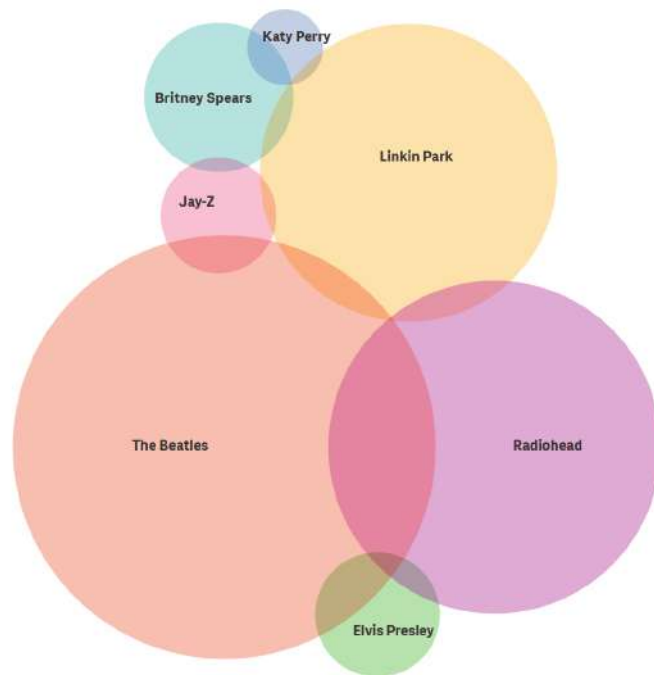


**Common Business Use Cases** - Even the most basic heatmap visualisation can provide an immediate visual summary of information and especially so changes over time. It's commonly used to visualise large quantities of data to find areas of intensity that reflect points of activity – for instance, tapping into underserved markets to see hot and cold areas, developing and analysing sales territories by sales volumes in a given area or visualising seasonal sales trends.



# Vizlib Venn Diagram

The Vizlib Venn Diagram is everything you'd expect from a Venn diagram, plus all the Vizlib extras, including full interactivity control, rich customisation, ability to format labels and automatically render a Venn Diagram based on your data.



# vizlib Venn Diagram

## Features

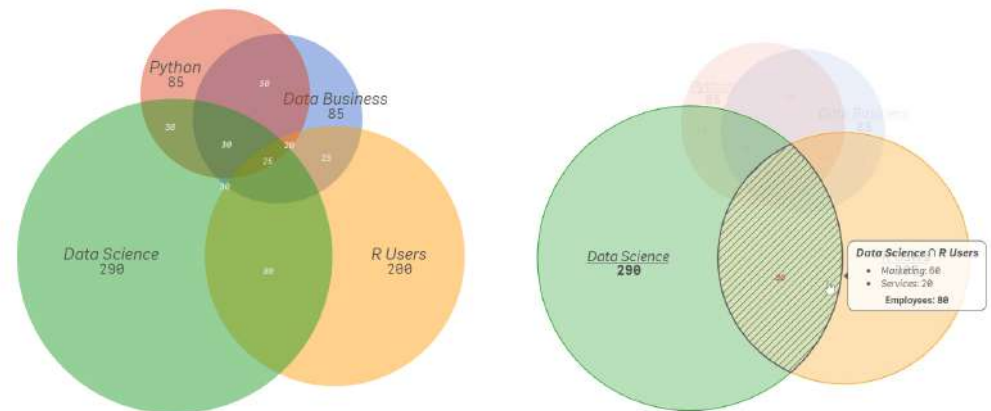
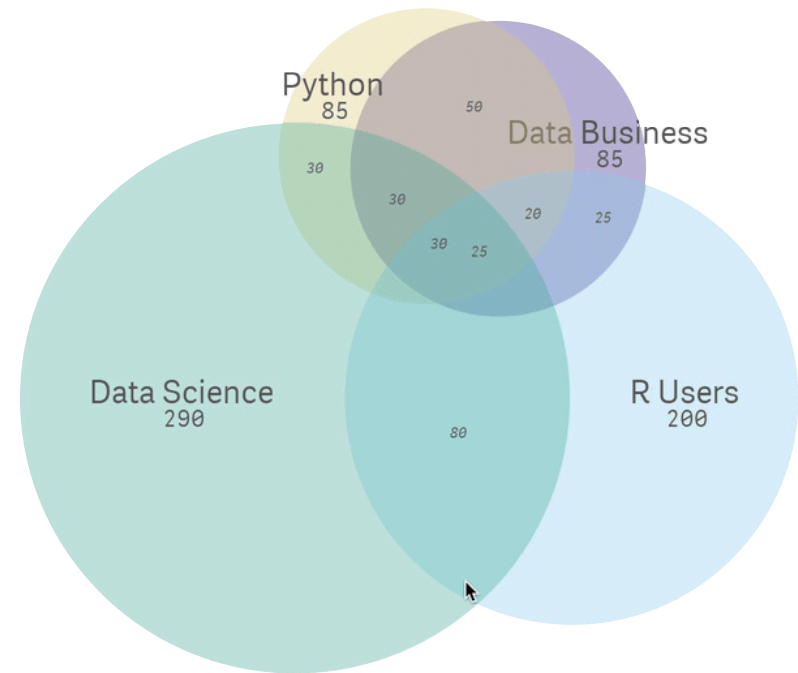
Ability to automatically render an appropriate Venn Diagram with intersections based on your data selections

Ability to format labels

An intuitive customisation panel for colour & circle formatting

Full control over Interactivity options

**Common Business Use Cases** - The venn is a wildly popular choice for business reports and presentations because of its powerful visual effect that works wonders on provoking new ideas and discussions. It will come in particularly handy when you're trying to visually organise information to quickly grasp the relationship between datasets and identify differences or commonalities, such as the overlap between quality, time and cost required to enter a new market.

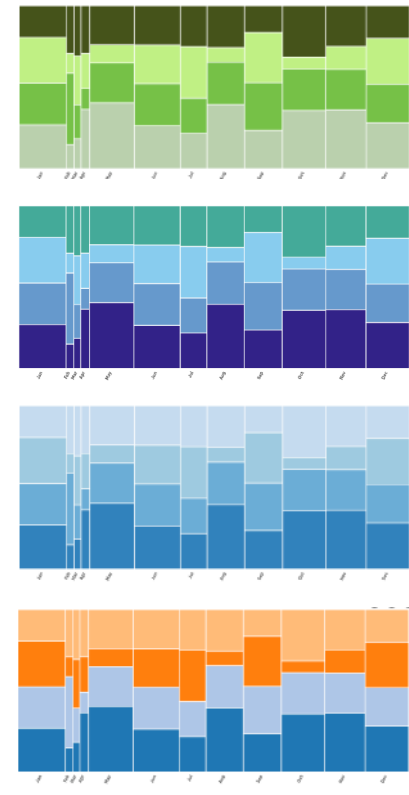
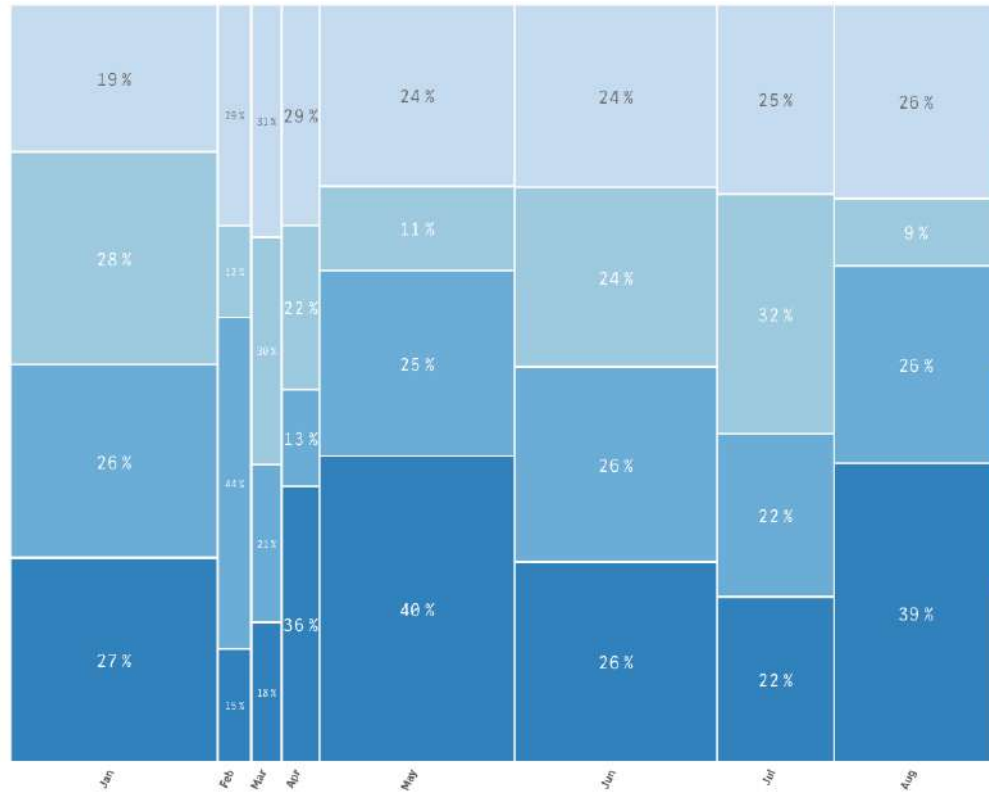




## Vizlib Mekko Chart

The Vizlib Mekko chart is a powerful two-dimensional extension which combines stacked bars and columns with varying segment heights and column widths to show measures like growth, margin or market share by product, segment or region.

Allowing users to show the values as numbers and percentages as well as to set conditional colours by expression, the Vizlib Mekko Chart helps to bring out the data storytelling element in analytical dashboards.



# vizlib Mekko Chart

## Features

Combines a 100% stacked column chart and 100% stacked horizontal-bar chart using a different variable for each

A variable-width stacked column chart

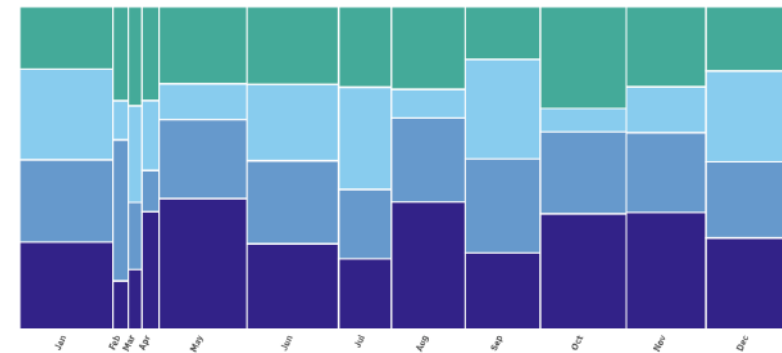
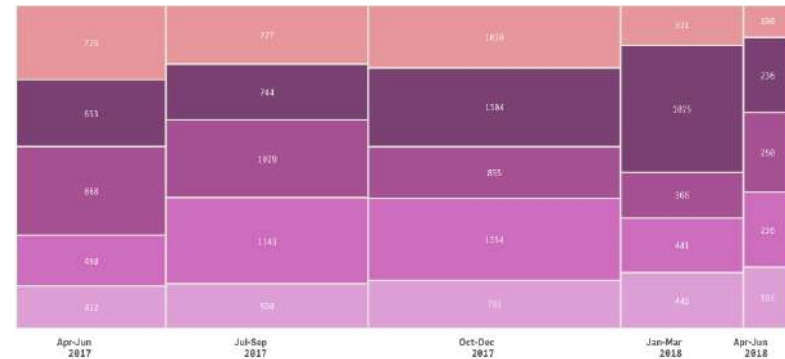
Shows part-to-whole relationships across two variables at once

Conditional colours by expression

Shows the frequencies of a contingency table where the area of each displayed cell is proportional to the whole

Reach styling options

**Common Business Use Cases** - The Mekko chart is an elegant solution for answering a variety of market overview questions. The most popular use cases for the Mekko chart include visualising Marketing and Sales data, such as revenue by region and vertical market. It also comes in handy when you need to compare how a value is split across a dimension as percentages – for instance, when analysing global investment opportunities.





# Vizlib Story Timeline

Vizlib Story Timeline is an extension that helps users to tell the story in Qlik Sense by creating the visual, media-rich timelines in only a few clicks.

It presents milestones on a timeline giving the user the ability to flick through the story of your dashboard, all with the power of the associative Qlik Sense in-memory engine.

The screenshot displays the 'Vizlib Story Timeline' interface. On the left, there is a search bar for 'Channel' and 'Title'. The main area shows a grid of program thumbnails, with 'Bibi Blocksberg' highlighted. Below the grid, a detailed view for 'Bibi Blocksberg' is shown, featuring a cartoon image of the character in a red airplane and a text description: '0:35:00 AM March 25, 2017 — 5:00:00 AM March 25, 2017. Bibi Blocksberg. Es gibt einen großen Flugwettbewerb in Neustadt. Für Bibi ist es selbstverständlich, dass sie daran teilnehmen und gewinnen muss. Doch alle hat starke Konkurrenten, die nicht alle fair sind.'

# vizlib Story Timeline

## Features

Ability to customise the landing page by setting media (optional: URL, Caption, Credits)

Reach possibility of supported media types

Ability to set Timenax using percentage or pixels

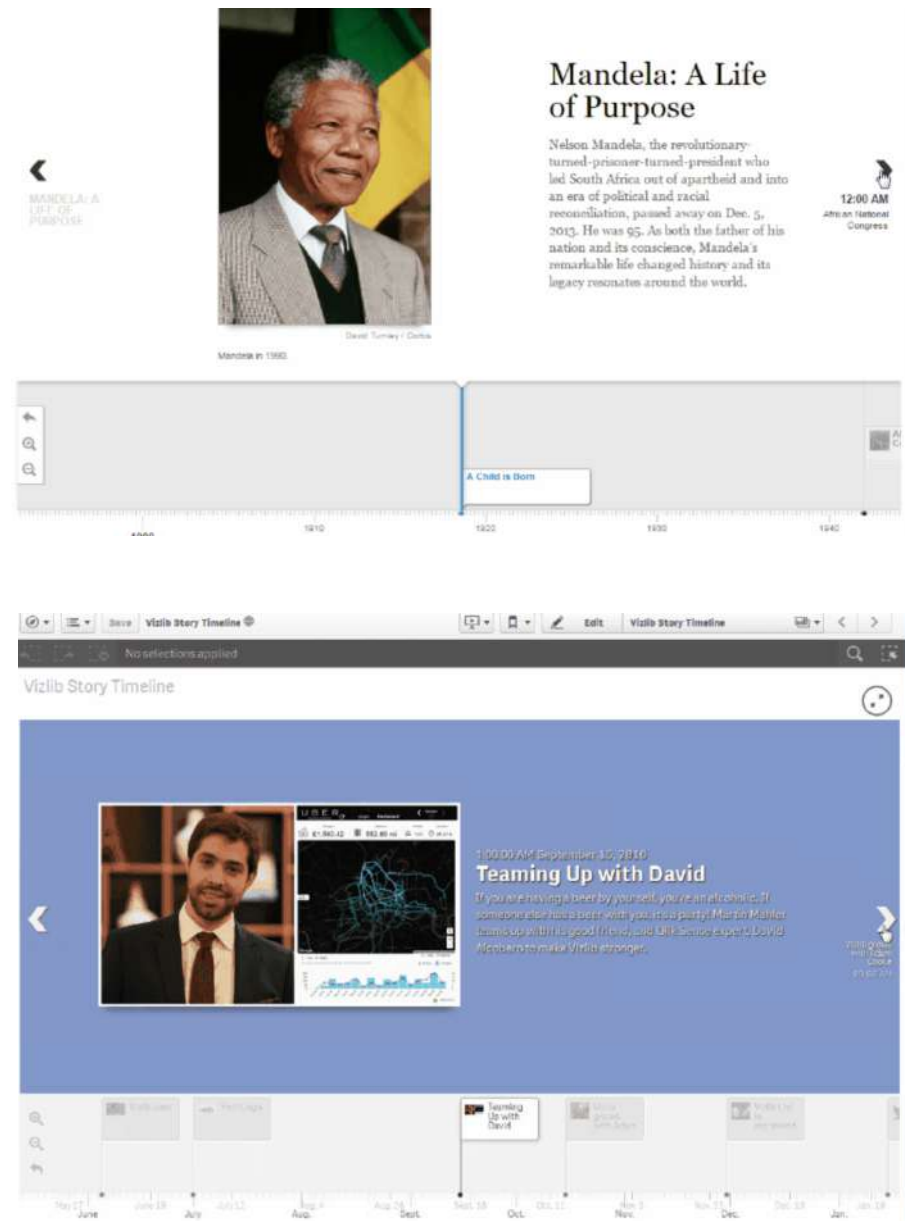
Formatting options permitting the user to determine the nav height

Custom background colour

Optimal tick width

Top and bottom navigation position

**Common Business Use Cases** - Vizlib Story Timeline can be used as a tool for the Project management to view the stages of the project, for the Customer relationship management to show interactions between sales representatives and customers, for the Political timelines to monitor elections, for monitoring social media events on a timeline, for the Historic story boards and any other cases.









# Tables

Nothing beats the organisational bliss that comes from tables

Our famous straight and pivot table extensions give you the power to arrange and visualise your data in a way that's easy to read, analyse and act upon. With added capabilities, such as HTML tooltips, dynamic column resizing, indicators, rich formatting and many more, you are in for a timeless love affair with tables.



Table



Pivot Table



## Vizlib Table

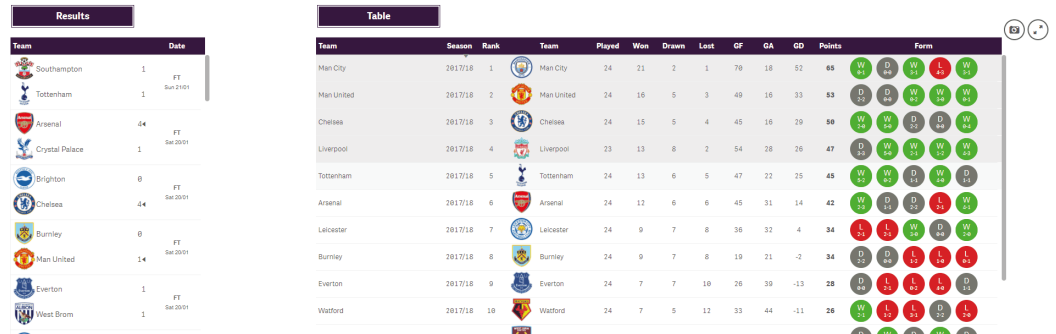
The Vizlib Table is a powerful, feature-rich and highly customisable table extension for Qlik Sense, which gives you all the formatting power of Excel on top of Qlik Sense's extraordinary data engine. Its powerful features that include the ability to add

sparkline and mini charts on each line, merge cells where dimension values are duplicated, table wizard and presets, full control over header formatting and support for dynamic labels and HTML, make the Vizlib Table a true game-changer.

	 Country	 Actual vs Target	\$ YTD	YoY	 Year To Date daily trend
			<b>\$10,070,158</b>	<b>17.9%</b>	
	 Germany		\$1,538,377	-7.4% 	
	 Italy		\$1,136,690	19.3% 	
	 Mexico		\$1,091,109	-3.4% 	
	 Spain		\$978,244	-12.6% 	
	 Thailand		\$1,584,738	3.5% 	
	 United Kingdom		\$1,547,718	78.2% 	
	 United States		\$2,193,282	47.9% 	

- A horizontal scroll of columns
- Full control over colour and alignment
- Ability to add Sparkline charts and mini charts on each line
- Custom bullet chart colours per row
- Full interactivity support and ability to turn native functionality off
- Header formatting and dynamic label support
- Add options for vertical borders customisation
- Table Wizard
- Table Presets
- Conditional Show/Hide of columns
- HTML supports
- Ability to freeze pane

**Common Business Use Cases** - The iconic table chart enables you to communicate complex information in a highly accessible and easy-to-understand manner. There are multiple scenarios where using a table visualisation makes the most sense, including times when you want to compare individual values but not entire series of values to one another, need to show precise values or display both summary and detail values – for instance, in a sales or marketing campaign report.



Case Details: 9,031 Cases

Department	Request Type	Case Duration	Closed Cases	New Cases	Cumulative New Cases
IT Infrastructure	General IT Support	40 07:34			
N/A	General IT Support	25 17:08			
Systems	General IT Support	30 20:36			
N/A	Software Request	22 13:00			
IT Infrastructure	Hardware Request	162 05:35			
N/A	New User Request	49 00:45			
IT Infrastructure	Software Request	30 16:57			
Systems	New User Request	61 23:02			
Systems	Software Request	34 05:05			
Non-IT/Systems	General IT Support	19 13:31			
Web Infrastructure	General IT Support	54 23:52			
IT Infrastructure	New User Request	52 10:39			
Operations	General IT Support	39 19:37			
Non-IT/Systems	New User Request	46 20:12			
Non-IT/Systems	Software Request	22 22:21			
Systems	Hardware Request	18 20:12			
Systems Development	General IT Support	259 20:43			
Operations	New User Request	30 01:05			
<b>Totals</b>		<b>58 23:30</b>	<b>8614</b>	<b>180</b>	<b>-957</b>



## Vizlib Pivot Table

The Vizlib Pivot Table for Qlik Sense is a particularly powerful solution for summarising data and effortlessly extracting significant insights from extensive, detailed data sets.

The extension is loaded with impressive features, such as dynamic labels, indicators, font and size control, interactivity, colours, pivot styles and more.

Vizlib P&L Table

	Total	Africa	Americas	Asia	Europe	Middle East
Service Revenue	2,996.15 ↓	501.94 ↓	503.14 ↓	502.69 ↓	500.30 ↓	506.44 ↓
Direct Cost	(1,221.38) ↓	(208.33) ↑	(200.70) ↑	(199.03) ↑	(190.71) ↑	(199.86) ↑
<b>Sales Variable Margin</b>	<b>1,743.50 ↓</b>	<b>311.62 ↓</b>	<b>297.58 ↓</b>	<b>304.23 ↓</b>	<b>298.10 ↓</b>	<b>301.87 ↓</b>
Sales Variable Margin%	0.61% ↓	0.60% ↑	0.60% ↓	0.58% ↓	0.61% ↓	0.60% ↓
<b>Direct OpEx</b>	<b>(132.33) ↑</b>	<b>(21.73) ↑</b>	<b>(21.91) ↑</b>	<b>(22.62) ↑</b>	<b>(22.08) ↑</b>	<b>(22.04) ↑</b>
Customer Operations Direct	(3.11) ↑	(0.52) ↑	(0.50) ↑	(0.52) ↑	(0.53) ↑	(0.52) ↑
Technology Direct	(86.18) ↑	(14.60) ↑	(14.93) ↑	(14.82) ↑	(14.59) ↑	(14.35) ↑
Sales, Commercial & Marketing ...	(22.12) ↑	(3.72) ↑	(3.76) ↑	(3.81) ↑	(3.70) ↑	(3.62) ↑
Support Functions Direct	(1.95) ↓	(0.31) ↑	(0.32) ↑	(0.31) ↑	(0.31) ↑	(0.31) ↑
<b>Direct EBITDA</b>	<b>1,690.74 ↓</b>	<b>280.10 ↓</b>	<b>289.52 ↓</b>	<b>278.69 ↓</b>	<b>287.32 ↓</b>	<b>272.23 ↓</b>
Direct EBITDA%	0.61% ↑	0.58% ↓	0.61% ↑	0.62% ↑	0.62% ↑	0.61% ↑
<b>Indirect OpEx</b>	<b>(4.55) ↓</b>	<b>(0.79) ↑</b>	<b>(0.75) ↑</b>	<b>(0.75) ↑</b>	<b>(0.75) ↑</b>	<b>(0.78) ↑</b>
Customer Operations Indirect	(0.10) ↓	(0.02) ↑	(0.02) ↑	(0.02) ↑	(0.02) ↑	(0.02) ↑
Technology Indirect	(2.64) ↑	(0.45) ↑	(0.45) ↑	(0.43) ↑	(0.44) ↑	(0.46) ↑
Sales, Commercial & Marketing ...	(0.39) ↑	(0.07) ↑	(0.07) ↑	(0.07) ↑	(0.07) ↑	(0.07) ↑
Support Functions Indirect	(1.55) ↓	(0.26) ↑	(0.25) ↑	(0.25) ↑	(0.25) ↑	(0.24) ↑
<b>Total OpEx</b>	<b>(117.09) ↑</b>	<b>(19.84) ↑</b>	<b>(19.67) ↑</b>	<b>(19.59) ↑</b>	<b>(19.14) ↑</b>	<b>(20.73) ↑</b>
OpEx% Revenue	(0.10%) ↓	(0.10%) ↓	(0.10%) ↑	(0.10%) ↓	(0.10%) ↑	(0.10%) ↓
<b>Total EBITDA</b>	<b>1,698.20 ↑</b>	<b>281.54 ↓</b>	<b>293.03 ↓</b>	<b>281.91 ↓</b>	<b>288.38 ↓</b>	<b>295.48 ↓</b>
Total EBITDA%	0.50% ↑	0.50% ↓	0.49% ↓	0.50% ↓	0.49% ↑	0.48% ↓

# vizlib Pivot Table

## Features

Conditional show/hide of dimensions and measures based on Qlik expressions

Rich customization and formatting options permitting you to achieve nearly any desired design

Conditional Formatting to style your Pivot Table based on Qlik expressions

Different Pivot styles: indentation or fully expanded

Indicators for Measures: supplement your metrics with a coloured indicator to highlight changes or growth or to annotate your metric with a symbol

Ability to export Pivot Table data in a tabular format to XLSX

Wrapping text with auto-fit option

Highlighting rows and columns on hover

Start position for the horizontal scroll bar

Copying cell values in context menu

Ability to allow measure total to inherit font colour from measures

**Common Business Use Cases** - The pivot table can be a huge asset, since it makes it possible to summarise groups of data in a matter of seconds. They may not be the most glamorous visualisations, but pivot tables enable you to slice and dice your data, determining trends that would be difficult to uncover otherwise. For example, you could use pivot tables to analyse sales totals or drill-down into your data to see which salesperson brought the most revenue for a specific month.

Product Group		Total				Jan			
Product Group	Product Sub Group Desc	# of Cust AR60+	# of Customers	# of Products	AR % Overdue	# of Cust AR60+	# of Customers	# of Products	AR % Overdue
Alcoholic Beverages	Total	94	94	23	25.84% ↑	46	46	15	26.22% ↑
	Beer	74	74	6	24.98% ↑	-	20	5	28.75% ↑
	Wine	81	81	17	26.15% ↑	40	40	10	17.75% ↑
Baked Goods	Total	96	96	24	19.55% ↑	39	39	19	18.79% ↑
	Bagels	18	18	2	72.63% ↑	-	8	1	-
	Muffins	70	70	9	19.81% ↑	28	28	8	13.73% ↑
	Sliced Bread	83	83	13	19.30% ↑	27	27	10	19.28% ↑
Baking Goods	Total	109	109	72	19.46% ↑	63	63	60	16.29% ↑
	Cooking Oil	83	83	12	13.72% ↑	-	36	10	-0.99% ↓
	Jam	56	56	9	15.16% ↑	-	14	6	-4.11% ↓
	Jelly	71	71	9	18.45% ↑	-	23	7	22.18% ↑
	Peanut Butter	73	73	9	18.00% ↑	-	26	8	17.19% ↑
	Preserves	73	73	15	16.98% ↑	26	26	14	23.68% ↑
	Sauces	42	42	3	17.68% ↑	18	18	2	19.67% ↑
	Spices	74	74	9	16.21% ↑	-	22	7	11.59% ↑
	Sugar	54	54	6	22.37% ↑	-	15	6	-9.76% ↓
Beverages	Total	102	102	59	29.27% ↑	55	55	46	22.73% ↑
	Chocolate	-	16	3	21.62% ↑	-	3	2	-4.15% ↓
	Coffee	71	71	12	15.68% ↑	28	28	18	17.63% ↑
	Flavored Drinks	66	66	12	17.99% ↑	-	22	9	22.48% ↑
	Juice	78	78	16	27.90% ↑	-	26	11	28.48% ↑
	Soda	81	81	16	30.13% ↑	31	31	14	26.83% ↑
Breakfast Foods	Total	86	86	16	19.83% ↑	33	33	14	18.60% ↑

Product Sub Group Desc	Jan					
	LY Sales	Revenue	Sales Quantity	CY Sales	LY Sales	Revenue
⊕ Anchovies	487.93	21,825.25	975	21,341	0.00	5,727.26
⊕ Bagels	717.68	3,177.69	18	2,460	181.23	378.88
⊕ Beer	9,532.42	13,786.55	103	445	775.64	23,125.03
⊕ Bologna	312,897.02	485,771.66	12,715	17,794	167,377.72	447,094.19
⊕ Canned Fruit	2,769.35	10,990.17	606	7,583	817.61	42,224.99
⊕ Canned Vegetables	33,464.41	75,092.83	835	27,797	14,014.43	32,092.77
⊕ Cereal	153,624.48	159,552.09	787	3,336	1,741.47	17,804.38
⊕ Cheese	85,046.64	261,543.49	7,075	115,829	33,647.84	157,857.28
⊕ Chips	212,877.48	390,223.64	2,995	115,735	70,061.78	300,982.88
⊕ Chocolate	0.00	68.38	5	25	0.00	115.07
⊕ Chocolate Candy	25,109.15	45,093.99	155	11,713	13,749.85	46,156.97
⊕ Clams	519.02	1,718.80	28	536	110.38	783.26
⊕ Coffee	146,413.49	593,477.34	3,325	291,371	226,246.43	493,775.52
⊕ Cookies	20,266.80	73,203.91	1,260	41,854	6,321.19	29,123.51
⊕ Cooking Oil	2,121.84	7,534.12	670	2,758	1,004.91	6,885.07
⊕ Cottage Cheese	1,834.07	4,510.24	49	1,473	1,259.07	2,948.86
⊕ Crackers	-58.14	-235.07	66	-211	23.33	398.94
⊕ Deli Meats	93,150.02	191,543.60	1,192	58,113	56,535.83	138,274.61
⊕ Deli Salads	24,250.55	37,634.48	296	8,677	6,938.61	17,965.78
⊕ Dips	5,304.72	22,362.18	3,760	5,560	10,041.39	19,783.56
⊕ Donuts	168.14	1,964.18	66	465	792.22	4,183.62





# Navigation Tools

Our navigational extensions redefine the dashboarding experience

The Vizlib Sheet Menu allows you to create web app-styled Qlik Sense dashboards within Qlik Sense, completely removing the need for complex mashup development. While the Vizlib Container, supporting a selection of presets and a responsive grid mode, greatly accelerates your build time and improves the functionality of your dashboards.



**Container Grid**



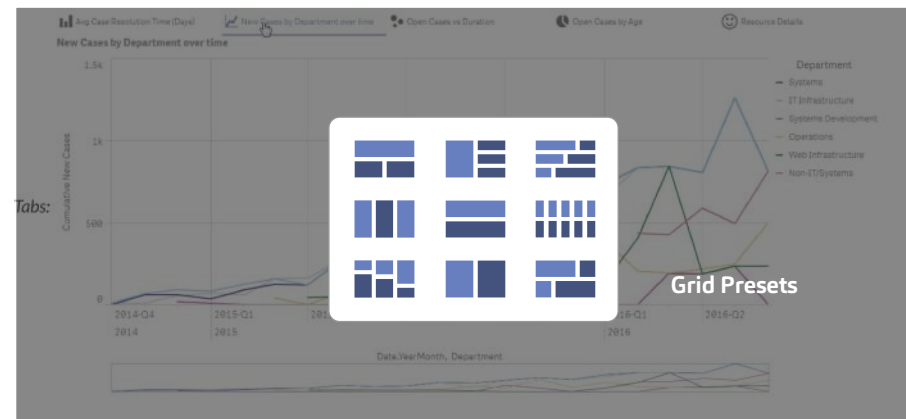
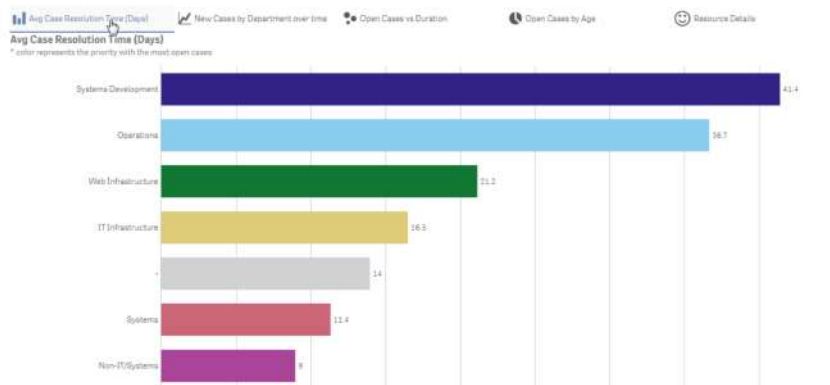
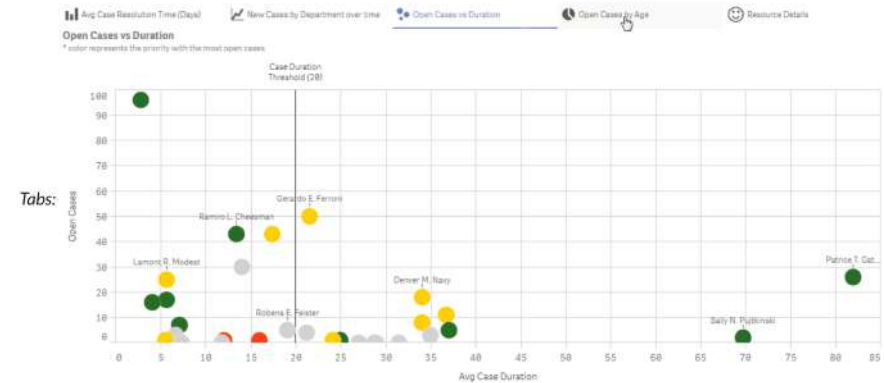
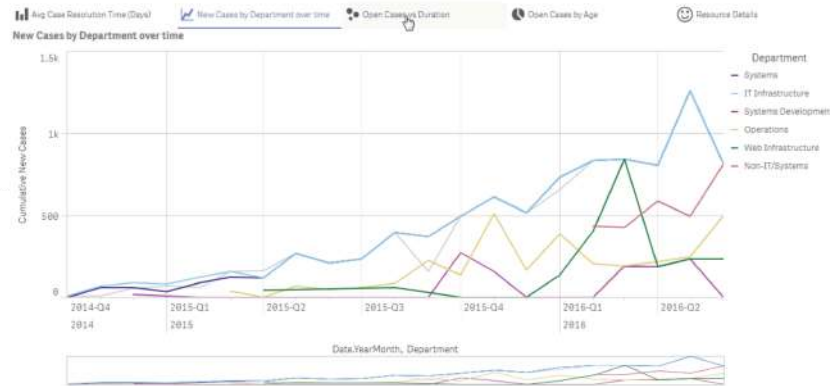
**Sheet Menu**



# Vizlib Container Grid

The Vizlib Container Grid extension is the ultimate solution for saving real estate on your dashboard, better organising your charts and creating a guided analytics experience. Offering a range of powerful features, such as dynamic drill-down,

grid mode, ability to preserve filters and customisation options, including Tabs, Accordion, Carousel and Dropdown, the Vizlib Container Grid gives you all the flexibility you need to create an incredibly user-friendly dashboard for Qlik Sense.





Conditional show/hide of charts based on expressions

Five Container Modes: Tabs, Accordion, Dropdown, Carousel, Hidden

Ability to add Grid mode and the object padding to grid

Master items search in Wizard

Ability to accelerate customisation by choosing from a selection of pre-set styles for each container mode

Rich customization and formatting options permitting you to achieve nearly every desired design

Support for custom fonts

Ability to activate charts based on certain conditions, such as variable values if certain selections are made

Ability to combine selecting charts with actions, such as pre-selecting bookmarks or clearing selections

Support for Export

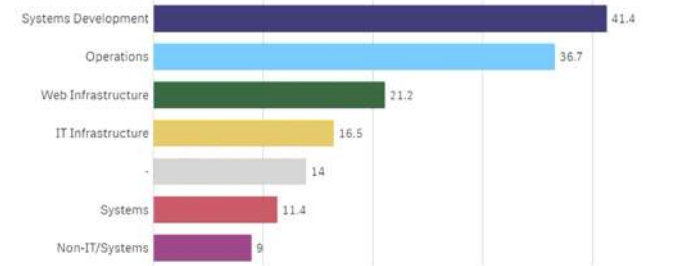
Support for Alternate states

**Common Business Use Cases** - The Vizlib Container Grid is so versatile it can be useful in any industry and in any scenario. Whether you need a fast way to switch between different charts, a simple solution to create a hierarchy of charts or a user-friendly navigation system, the Vizlib Container Grid is your top choice.

**Avg Case Resolution Time (Days)**

**Avg Case Resolution Time (Days)**

\* color represents the priority with the most open cases



**New Cases by Department over time**

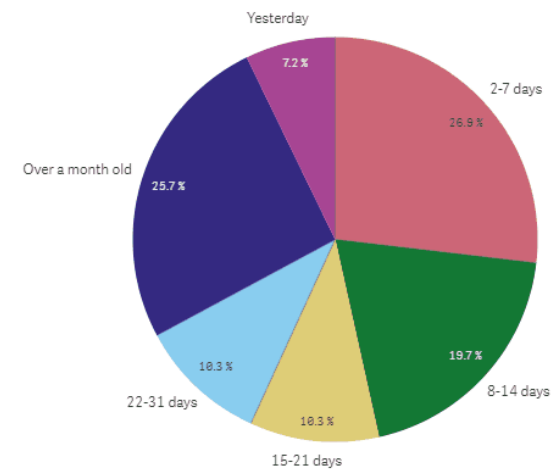
**Open Cases vs Duration**

**Open Cases by Age**

**Resource Details**



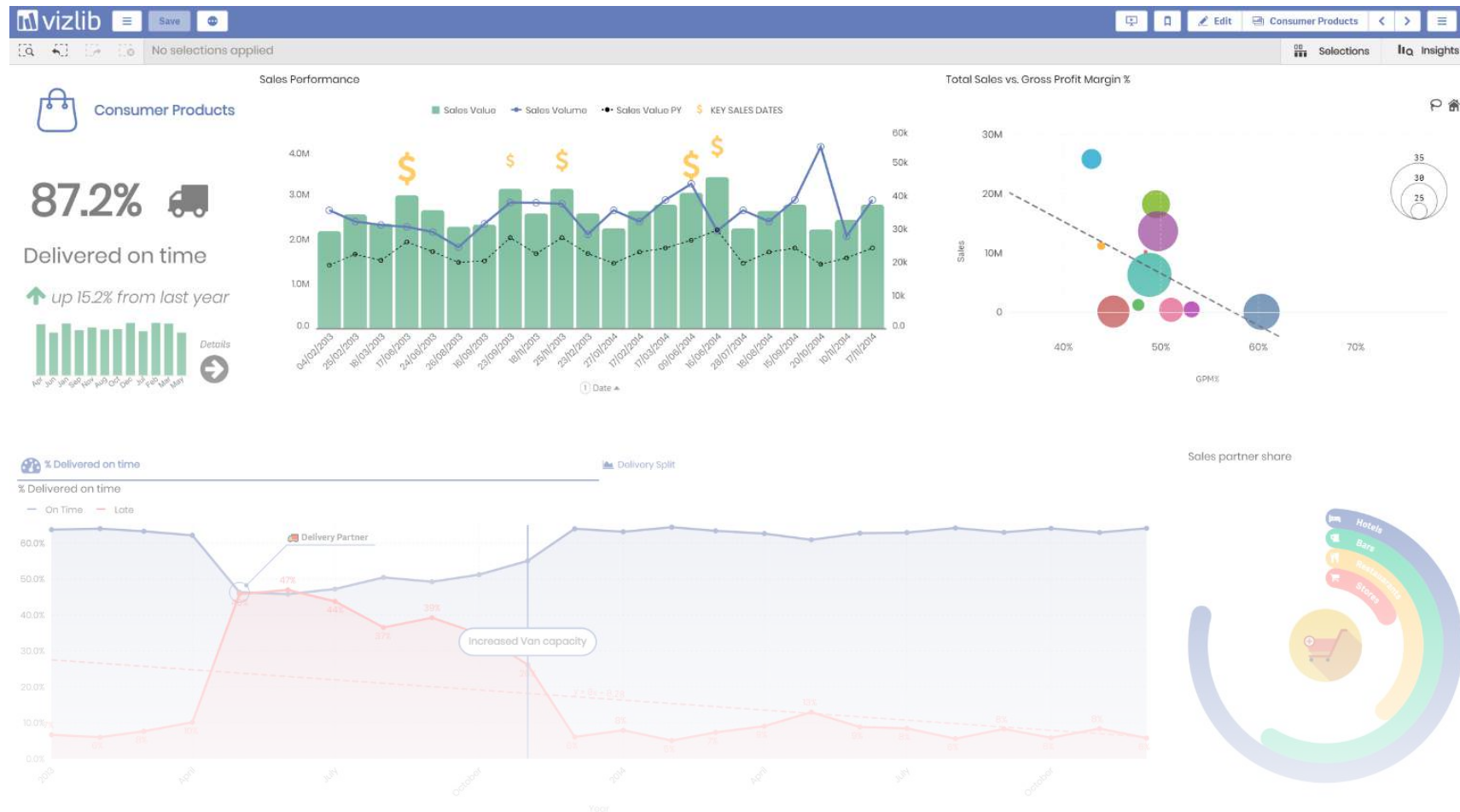
**Open Cases by Age**





# Vizlib Sheet Menu

The Vizlib Sheet Menu is a highly customisable extension for Qlik Sense that enables you to create a consistent and intuitive user experience by mirroring the design of navigation bars in web apps.



## vizlib Sheet Menu

### Features

Ability to effortlessly create Mashup-like Qlik Sense dashboards without writing a single line of code

Intuitive wizard menu: create a custom top or side (or both!) navigation bar by simply dragging and dropping relevant sheets into groups

Rich customisation: take advantage of rich formatting options to customise the appearance of your menu and achieve branded design or any style you want

Dynamic interactivity settings: customise the tooltip or add links to provide more context and create a highly-personalized user experience

Ability to create a truly guided analytics experience with the support for (multiple) Actions, such as making selections when navigating between sheets

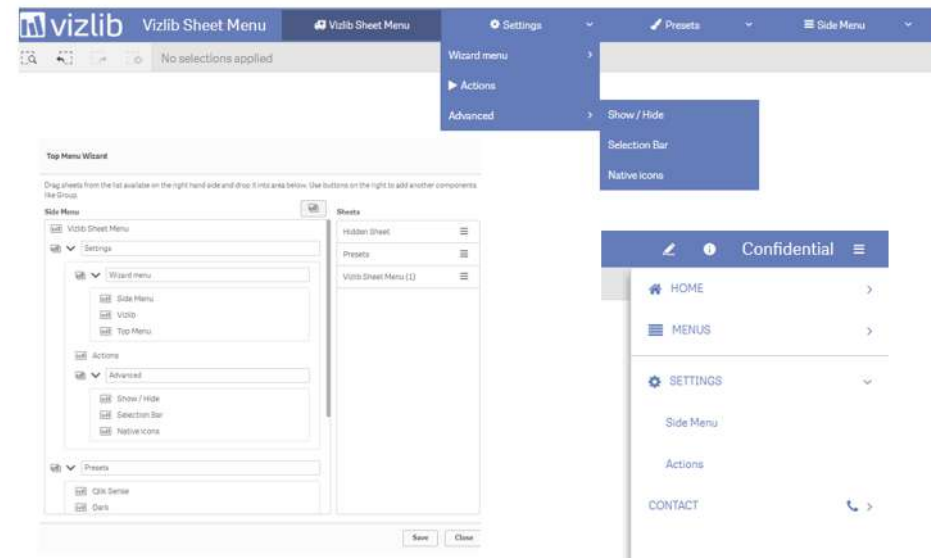
Show or hide native Qlik Sense buttons and functionality, such as stories, bookmarks, edit menus, navigation buttons and other features

Add button group to set actions running before/after sheet change completed

Ability to maintain consistency across your whole app with embeddable filters and calendar objects in the side menu

Implement options too show side menu on the left hand side and an option for always open

Set dynamic visibility conditions for available sheets in the navigation menu depending on the user profile, variables or even Qlik expressions!



**Common Business Use Cases** - The Vizlib Sheet Menu allows you to group and neatly organise apps for quick and easy access and is an excellent alternative to Mashups. With Vizlib's Sheet Menu extension, you can achieve a mashup like style without writing a single line of code – effortlessly switch between different visualisations or individual charts and expertly navigate your data in just a few clicks.





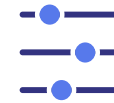
# UX Components

Built to help you create a more intuitive user experience, Vizlib's UX component extensions are fully customisable and inherently powerful

With rich styling and formatting options, they can seamlessly blend in with your dashboard's unique design. And support for Vizlib Actions, configurable tooltips and the Vizlib Wizard makes these nifty charts indispensable to your apps.



Advanced Text Object



Slider



Calendar



Filter



Line Object



## Vizlib Advanced Text Object

The Vizlib Advanced Text Object is identical to the classic QlikView text object with added advanced functionalities, such as support for HTML code, Vizlib Actions, tooltips and copying content to clipboard on right-click, interactivity and rich styling options such as styling for enhanced background control.

Click me

This is a sample text

My title  
This is my Vizlib Tooltip!

Image is transparent!

Hover me

Smile! 😊

This is cool!

See the whole story

Change border radius!

More shapes..

Click me! To see more effects

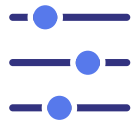
## vizlib Advanced Text Object Features

- Includes all QlikView Text Object functionality
- Ability to style your text in any way and size you wish
- Full list of searchable Font Awesome Icons
- Configurable tooltip prompted on click or on hover
- Support for copying content to clipboard on right-click
- Ability to upload background pictures and scale them or fit them to size
- Ability to implement pdf/ppt printing
- Interactivity options to show/ hide fullscreen and snapshot icons
- Full support of HTML (even styling elements)
- Multiple Action support

**Common Business Use Cases** - Whether you want to give your chart a stand-out title, embed a video into your dashboard or add a good-looking call-to-action button, the Vizlib Advanced Text Object will help you make that happen in seconds!

Click me

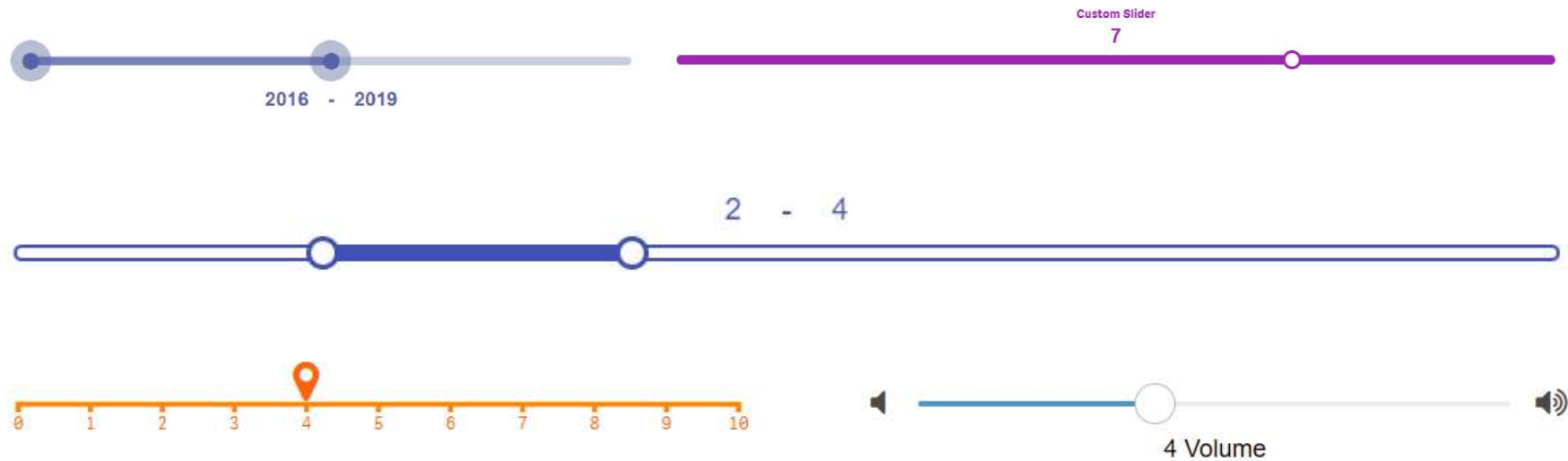




## Vizlib Slider

The Vizlib Slider is a highly customisable, all-in-one component for Qlik Sense that gives users the option to define and set variable values in a slider. Recreating the flexibility and features of QlikView within the Qlik Sense environment, the Vizlib Slider

empowers users to control their dashboards through Slider actions and create a powerful data discovery experience. With a diverse range of presets, dynamic titles and the ability to customise colour as well as add images or GIFs, the Vizlib Slider can seamlessly blend in within any Qlik Sense app.



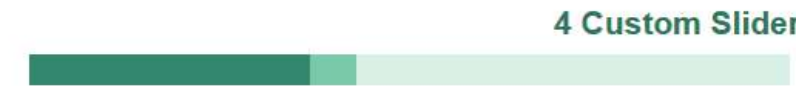


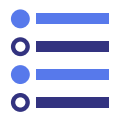
# vizlib Slider

## Features

- Includes all QlikView Text Object functionality
- Ability to style your text in any way and size you wish
- Full list of searchable Font Awesome Icons
- Configurable tooltip prompted on click or on hover
- Support for copying content to clipboard on right-click
- Ability to upload background pictures and scale them or fit them to size
- Ability to implement pdf/ppt printing
- Interactivity options to show/ hide fullscreen and snapshot icons
- Full support of HTML (even styling elements)
- Multiple Action support

**Common Business Use Cases** - Slider is a powerful component that can create a more intuitive and interactive experience for the end user. Combined with Vizlib Actions, it becomes a powerful control component for the entire dashboard, allowing you to navigate and explore data almost like a web app.





## Vizlib Filter

The Vizlib Filter is a highly customisable filter component for Qlik Sense that streamlines selections in the data model. It comes loaded with a lot of advanced features,

such as custom styling options, interactivity options, one-selected-value, default-values and many more. It also supports different views, such as Listbox, Buttongroup and Dropdown.

### City

- Austin ✓
- Bern ✓
- Auckland
- Barcelona
- Berlin
- Brussels
- Buenos Aires
- Chicago
- Cologne
- Copenhagen

### Region

- EMEA
- North America
- APAC
- South America

### Case Owner

- Search: \*Enf
- Aileen C. Millimaki
  - Denver M. Navy
  - Kenneth Z. Ruffonton
  - Kimbra C. Plasencia
  - Renita K. Vaksman
  - Robena E. Feister
  - Willard S. Bensch

# vizlib Filter

## Features

Three different component types supported: Listbox, Dropdown, Buttongroup

One selected value option as well as default selections

Support of all Qlik filtering possibilities, including locking fields, selecting excluded and alternative

Qlik Selection state aware

Export Field values to XLS and copy cell value on right-click

Powerful and user-friendly search functionality which takes full advantage of the powerful Qlik Engine API

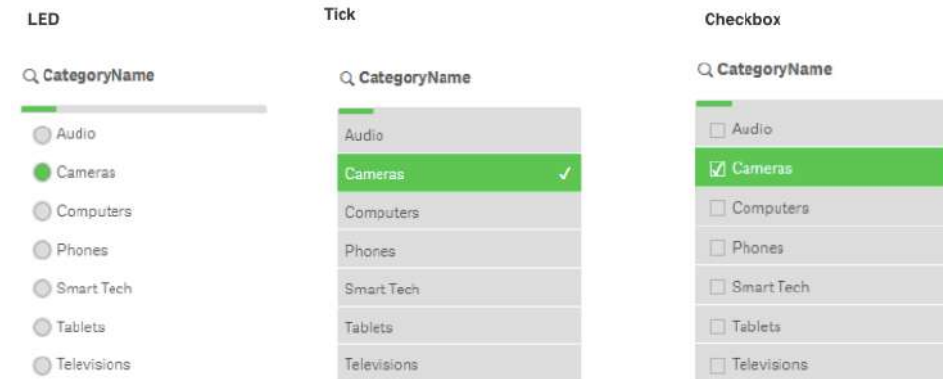
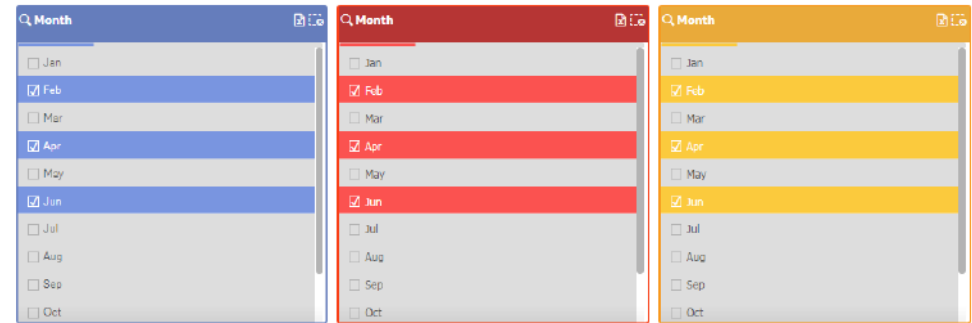
Conditional show&hide of filter values

Auto-size to Vizlib Filter button group

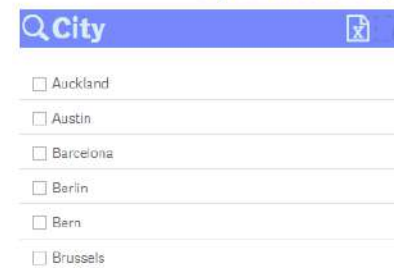
Rich formatting options to match your filter to your brand

Responsive mode for dynamic screen resolutions

**Common Business Use Cases** - The Vizlib Filter is another key component that has the power to elevate the end user experience. It's an intuitive and convenient component for making selections and navigating data that enables the user to achieve such actions as selecting a product name from a drop-down menu or using the search bar to bring up relevant data.



### Styled header example

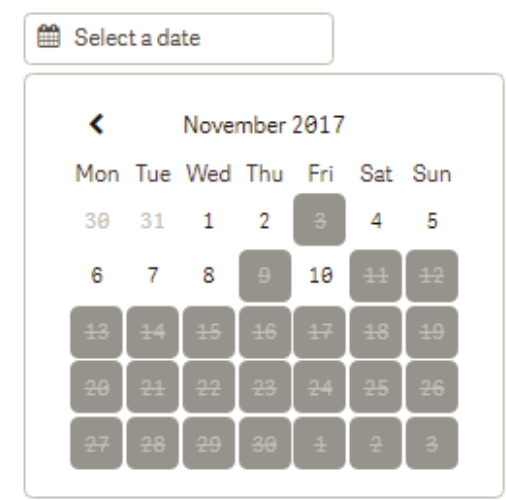
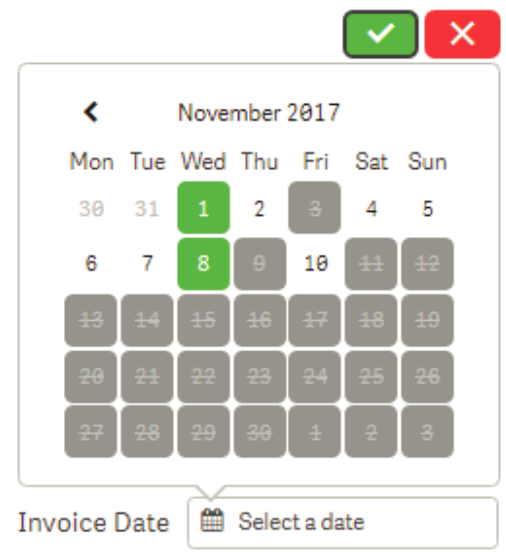
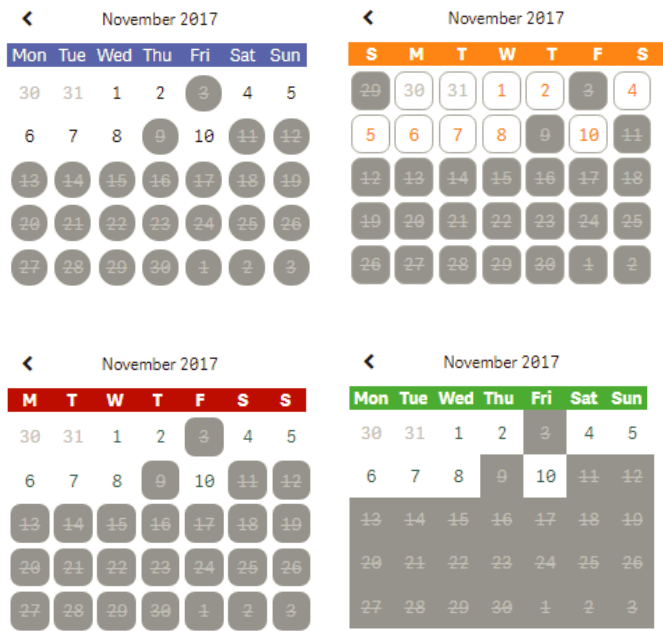




# Vizlib Calendar

The Vizlib Calendar is a highly customisable, supported and easy-to-use control component for Qlik Sense, which provides many features such as

auto-detection of dates, date ranges, font and size control, interactivity, custom colours, pre-defined selections and lots of styling and formatting options.



# vizlib Calendar

## Features

A super user-friendly wizard menu helps you build the chart in a few clicks

Option to use it as a Single Date Picker or Date Range Picker

Expanded mode to see the full calendar or collapsed mode to save real estate on the sheet

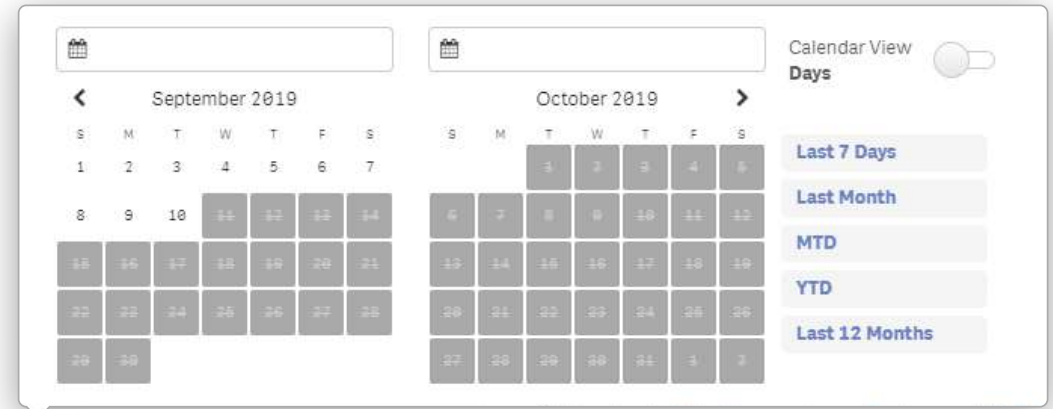
Qlik Selection state aware

One-Selected-Value Option

Pre-defined date selection when opening the app

Custom text for Calendar when no selections are present

Rich formatting options allowing you to style your calendar to match your brand or in any way you want



**Common Business Use Cases** - The Vizlib Calendar serves a very simple purpose – to enable the user to navigate their data sets by selecting certain dates or date ranges. An intuitive date-range picker ensures the user experience is smooth and straightforward and resembles that of any modern travel or scheduling app. The Vizlib Calendar offers an all-in-one experience – a smashing appearance, unbeatable convenience and reassuring familiarity.



## Vizlib Line Object

Vizlib Line Object is an extension which can be used to neatly divide and organise any dashboard! It supports several formats extending the possible use cases of it.

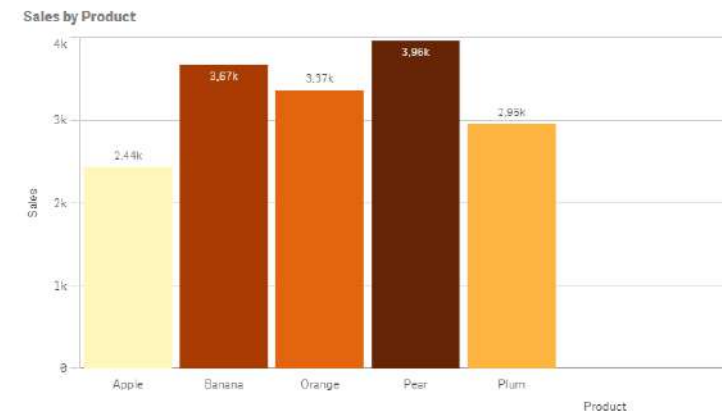
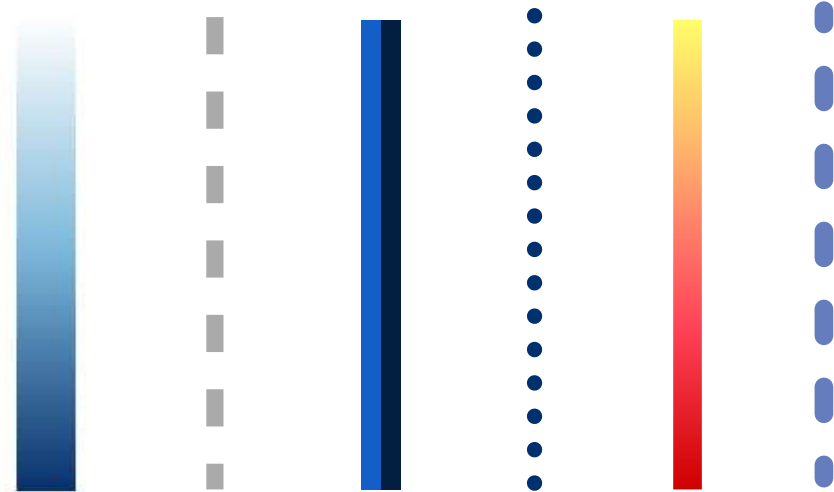
Choose the style and colour to make it fit the theme of your dashboard as well as alignment and orientation. Vizlib Line Object is the easiest and fastest way to organize and structure your Qlik Sense Application.



# vizlib Line Object

## Features

- Neatly divide and organise any dashboard
- Choose from different styles such as dotted, dashed or ridged.
- Create custom graph keys by applying a gradient to the line
- Flexible positioning
- Ability to choose from a wide range of colour palettes or pick your own colours
- Choose the orientation mode and style for representation the Line Object.
- Interactivity support



**Common Business Use Cases** - The Vizlib Filter is another key component that has the power to elevate the end user experience. It's an intuitive and convenient component for making selections and navigating data that enables the user to achieve such actions as selecting a product name from a drop-down menu or using the search bar to bring up relevant data.

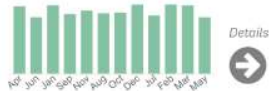
Consumer Products

87.2%

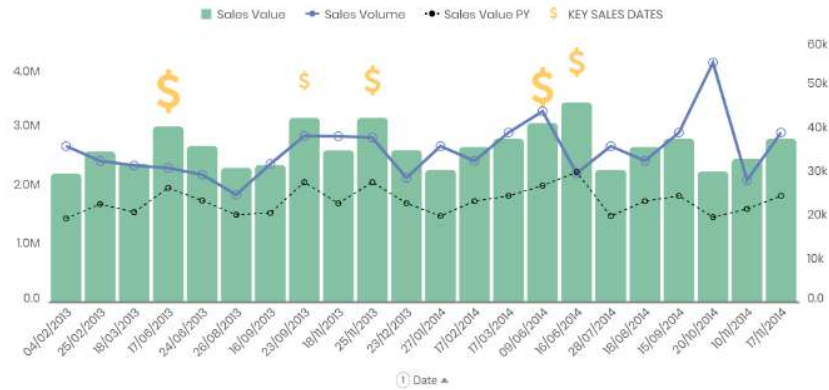


Delivered on time

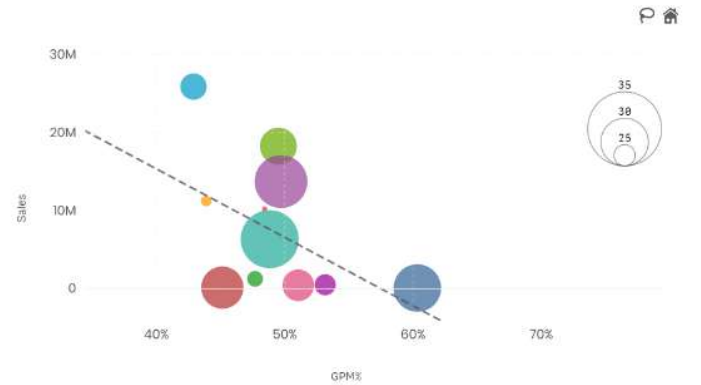
up 15.2% from last year



Sales Performance



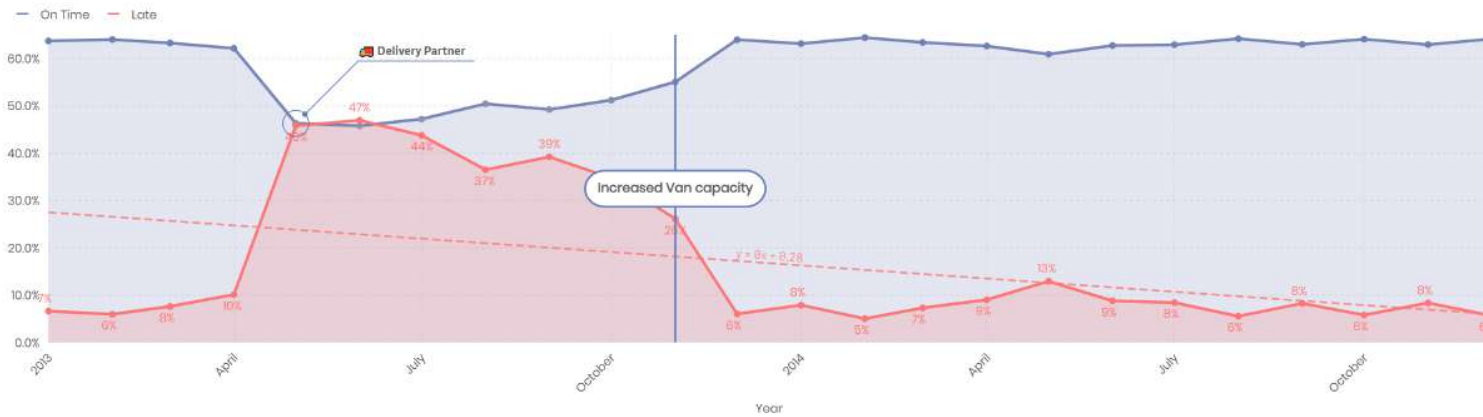
Total Sales vs. Gross Profit Margin %



% Delivered on time

Delivery Split

% Delivered on time



Sales partner share





Dashboard Analysis Territories

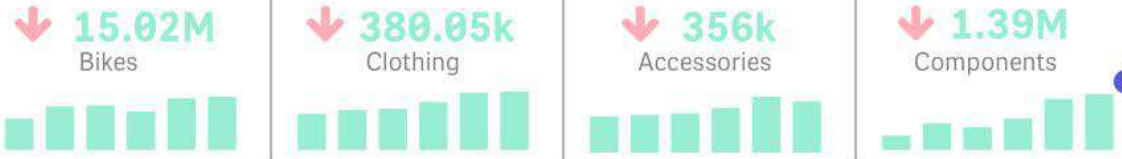
Year 2019

Selections Insights

2016 2017 2018 2019

USD CAD EUR GBP AUD

Sales 2019



Sales Margin Regions Products Top 15 Customers Year Quarter Comparison

Sales(Static display)



Top 15 Customers

Name	Region	Sales	Margin
<b>Totals</b>		<b>17 142 317,78</b>	<b>2 667 344,58</b>
Garza-Kathleen	CA	100 963,62	<b>6 757,23</b>
Kirilov-Anton	US	123 947,73	<b>6 289,85</b>
Ferrier-François	US	98 892,10	<b>5 534,61</b>
Harui-Roger	US	119 774,86	<b>4 476,16</b>
Carlisle-Carlton	CA	99 229,06	<b>-2 937,21</b>
Eminhizer-Terry	GB	104 870,90	<b>-3 422,79</b>
Mcanich-Stacie	DE	104 394,70	<b>-3 520,55</b>
Kozlowski-Edward	FR	146 630,28	<b>-3 830,33</b>
Vessa-Robert	US	89 386,04	<b>-4 902,38</b>
Lee-Robertson	FR	116 613,33	<b>-4 902,59</b>
Casts-Raul	US	140 080,58	<b>-4 934,55</b>

### Contractor spend

**€14.27M** 0.6% YoY

PY €14.18M

### Global Revenue

**€12.34M** 0.6% YoY

PY €23.45M

↓

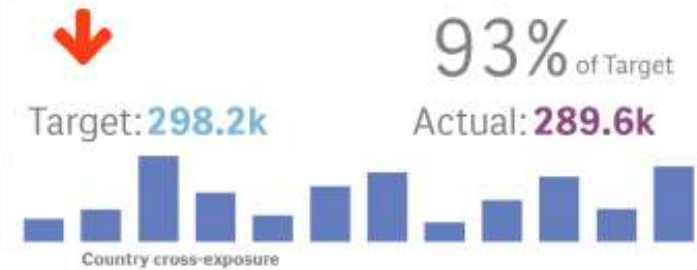
Target: **298.2k**

Actual: **289.6k**

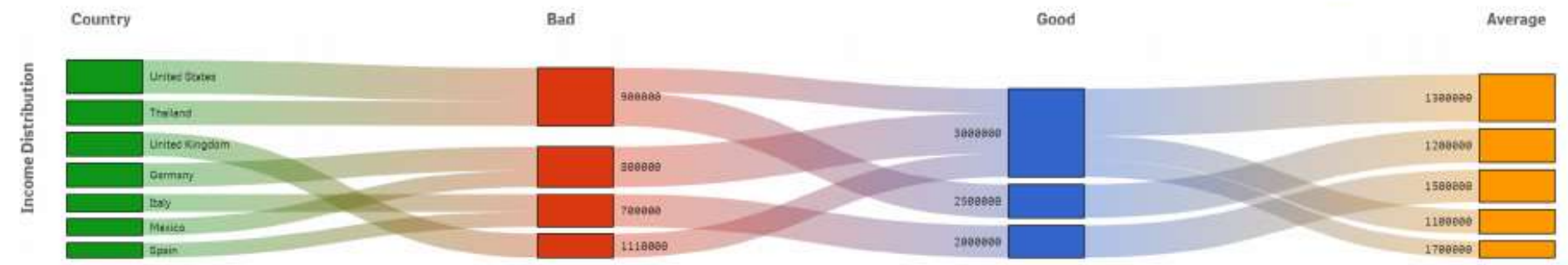
93% of Target

▲ €867  
EMEA Revenue

▼ €767  
US Revenue



Country	Actual vs Target	YTD	YoY	Year To Date daily trend
		\$10,070,158	17.9%	
Germany	<div style="width: 50%; background-color: blue;"></div>	\$1,558,377	-7.4% ↓	
Italy	<div style="width: 80%; background-color: red;"></div>	\$1,136,690	19.3% ↑	
Mexico	<div style="width: 60%; background-color: red;"></div>	\$1,091,109	-3.4% ↓	
Spain	<div style="width: 70%; background-color: red;"></div>	\$978,244	-12.6% ↓	
Thailand	<div style="width: 50%; background-color: blue;"></div>	\$1,584,738	3.5% ↑	
United Kingdom	<div style="width: 50%; background-color: blue;"></div>	\$1,547,718	78.2% ↑	
United States	<div style="width: 80%; background-color: blue;"></div>	\$2,193,282	47.9% ↑	



# FAQs

## Where can I find information on pricing?

Pricing, including all available user packages, is available for you to view in the Vizlib user portal - you need to login or click the link in your download email to access the portal: <https://www.vizlib.com/protected/upgrade>.

## Can I purchase extensions or categories separately?

Every package is designed to deliver a powerful analytics experience and provide you with the tools and features you need to achieve your dataviz goals. This means you can purchase a subscription for the chosen package, but not individual extensions or extension categories. We are delighted to schedule tutorial and demo sessions to help you explore and understand the capabilities of each product better – please get in touch if you'd like to learn more!

## Is Vizlib free to trial?

Vizlib is free to trial for up to 5 users.

One Vizlib user license allows an individual to use all Vizlib Extensions within the Qlik Sense environment based on their UserID, regardless of whether they're an app developer, app user or end user. A Vizlib license will account for all use cases for that one named user and is the same as an assigned Qlik Sense Token.

## What's included in the subscription?

The subscription includes standard product support and any upgrades and additions we make to the package over time. Typically, we support new versions of Qlik Sense at the time of their release or within a few days.

## Do you have a partner programme?

Yes! We run the Vizlib Partner Programme (VPP). To join the VPP you need to be a Qlik certified partner. For more information, please send us an email at [support@vizlib.com](mailto:support@vizlib.com) and we'll be in touch shortly.

## Will the extensions work in QAP/QSEoK (mashups)?

## Will the extensions work in Story Mode?

## Will the extensions work with nPrinting?

*Yes!*



Vizlib builds powerful value-added products for Qlik Sense. Our feature-rich, intuitive Qlik Sense solutions empower data-driven organisations to extend their current analytics capabilities and uncover meaningful insights faster than ever before. We make data talk.

Leveraging our ready-to-use extension products, organisations go from mere data reporting to data storytelling in seconds, significantly boosting their time-to-market for new Qlik Sense projects. We are a valued partner to many of the world's leading businesses that seek fast, effective and branded solutions to boost data adoption across their organisation. Once you experience Vizlib, there's no going back.



Try all our products for free at  
[vizlib.com](https://vizlib.com)



**vizlib**  
*Library*

Designed for pixel-perfect  
dashboards and visual  
analytics in Qlik Sense



**vizlib**  
*Self-Service*

Designed for ad-hoc data  
exploration and reporting



**vizlib**  
*Finance*

Designed to deliver  
unbeatable P&Ls and  
Balance Sheet reports



**vizlib**  
*Collaboration*

A brand new way to bring  
people and data together