

Visualizations and GeoAnalytics updates

Qlik Sense February 2020

February 2020

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Qlik  LEAD WITH DATA™



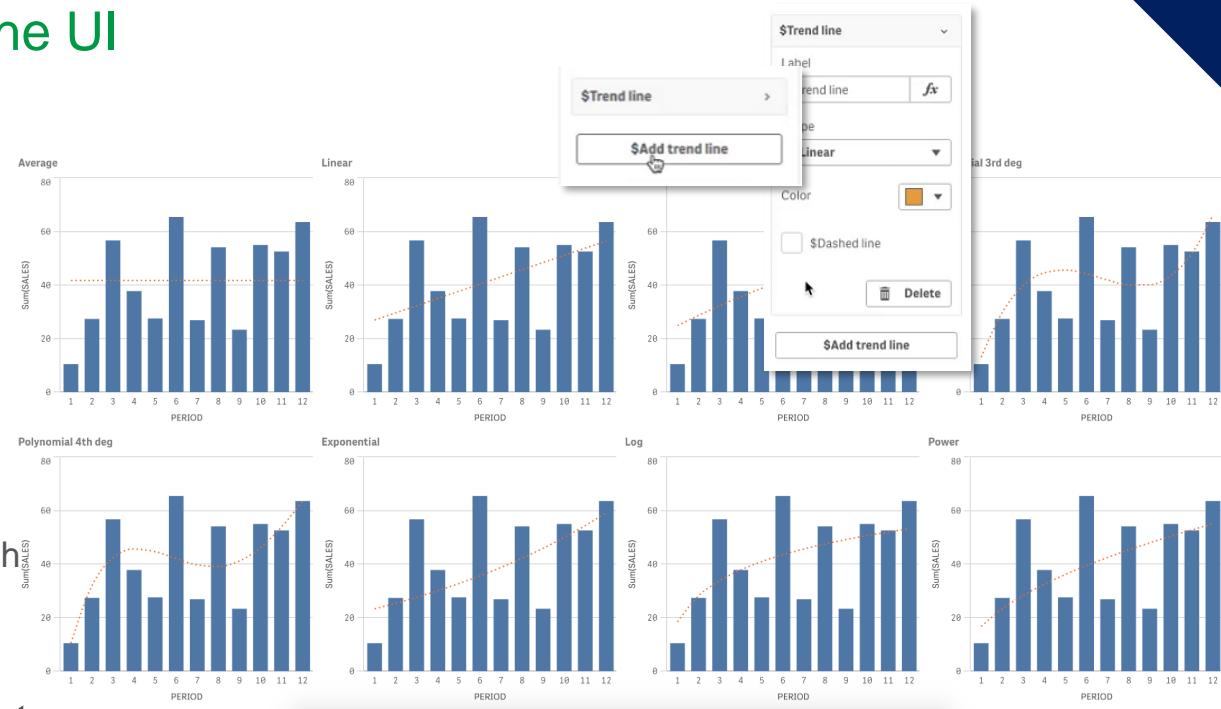
Feb20

1. Trendlines
2. Custom tooltips
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4. Pivot styling
5. Table Indicators
6. Native Button object
7. Modifiers: Moving average, Difference
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11. Funnel chart sort
12. Geocoding for QSEoCS and QSEoK

Trendlines

Add trendlines through the UI

- Average
- Linear
- Exponential
- Power
- Logarithmic
- Polynomial 2nd, 3rd, 4th
- Engine supported
- Bar chart and Line chart

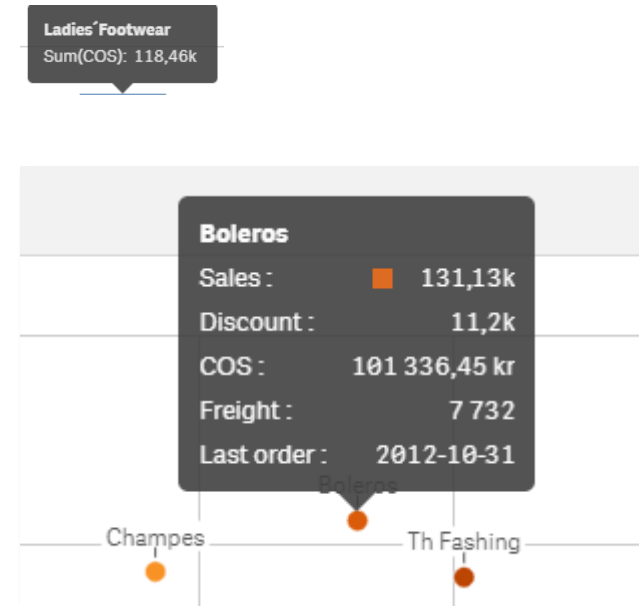


Custom tooltips

Providing customized details when hovering in charts

- Add additional measures
- Number formatting
- Overview first, details later
- All charts that have tooltips
- Phase one, more in April

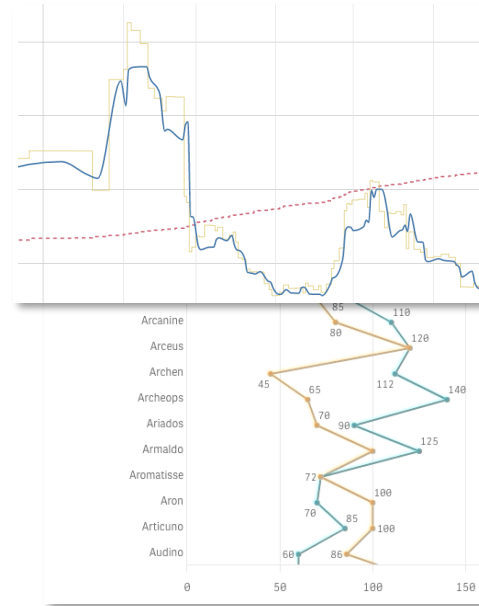
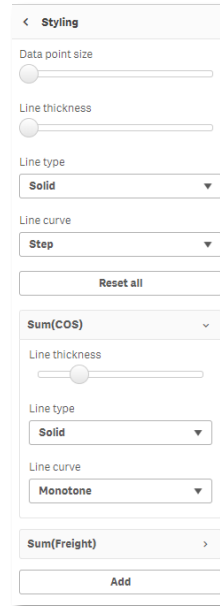
The screenshot shows the 'Tooltip' configuration panel in Qlik. It is set to 'Custom' mode. Under 'Measures', 'COS' and 'Freight' are listed. The 'Last order' measure is configured with the expression 'Max(OrderDate)', the label 'Last order', and the date format 'Date'. The 'Formatting' is set to 'Simple' with the date '2014-02-17'. A 'Delete' button and an 'Add measure' button are also visible.



Line chart styling

Using Picasso framework and new options for styling

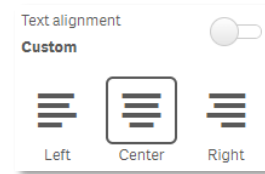
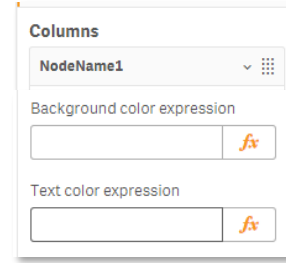
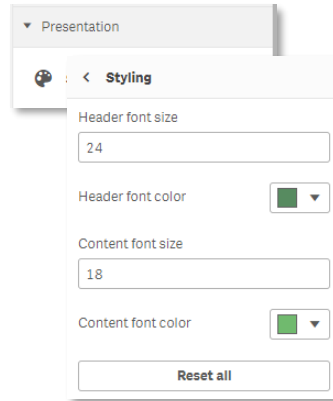
- Styling for all or per line
- Line width
- Line styles, dotted or dashed
- Vertical orientation
- Line type, smooth or straight
- Part of rework



Pivot styling

Styling options from themes

- Options to style pivot table in the similar way as the straight table
- Center align columns
- Header text color and size
- Cell text color and size
- Dimension background and text color by expression



	Delivery Truck			Express Air			Regular Air		
	Furniture	Office Supplies	Technology	Furniture	Office Supplies	Technology	Furniture	Office Supplies	Technology
Consumer	\$ 137316.85	\$ 16100.65	\$ 30790.90	\$ 10645.39	\$ 20602.33	\$ 20777.51	\$ 22294.57	\$ 51611.41	\$ 86457.59
Corporate	\$ 383443.51	\$ 49563.70	\$ 149250.78	\$ 7830.10	\$ 30915.55	\$ 52236.78	\$ 127182.41	\$ 256390.82	\$ 399214.13
Home Office	\$ 216969.00	\$ 25596.84	\$ 83756.35	\$ 13500.51	\$ 27745.75	\$ 32604.49	\$ 42159.47	\$ 122829.66	\$ 199872.93
Small Business	\$ 144002.58	\$ 35339.53	\$ 39964.68	\$ 3596.35	\$ 14387.08	\$ 19627.41	\$ 22178.27	\$ 156546.79	\$ 82709.83

Table Indicators

Graphical elements in the straight table

- Traffic lights
- Trend indicators
- Warnings and info
- Conditional icons and color
- All settings in UI

The image displays a Qlik dashboard interface. On the right, a table shows product data with indicators. The table has columns for Product, Status, CY vs LY, and Rank CY. The data rows are:

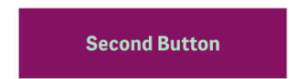
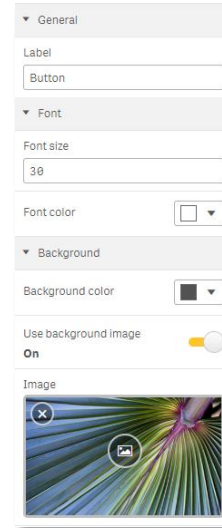
Product	Status	CY vs LY	Rank CY
Minnki Pälsii	Green circle	-8% ▼	Green flag
Davenport	Yellow circle	48% ▲	Yellow star
Snake Boots	Green circle	6% ▲	Yellow star
Le Baby Dress	Red circle	141% ▲	Grey star
Terence Top	Red circle	98% ▲	Grey star
	Green circle	54% ▲	Grey star
	Green circle	52% ▲	Grey star
	Yellow circle	144% ▲	Grey star
	Green circle	44% ▲	Grey star
	Yellow circle	234% ▲	
	Yellow circle	96% ▲	
	Green circle	59% ▲	

Overlaid on the table is a 'Symbol' configuration panel. It features a grid of color swatches and icons (checkmark, star, warning, hand, flag). Below the grid are navigation arrows and a search icon. A 'Representation' panel is also visible, showing a dropdown menu set to '\$Indicator', an 'Add limit' button, and a color gradient bar with a slider.

Button object

New native button object with styling

- Styling
- Font size and color
- Background color and image
- Border color width and radius
- Navigation
- Actions



Moving average and Difference

Easy add on to any expression

- In addition to accumulation
- Moving average, full or rolling n steps.
- Difference, delta from the previous period
- Engine supported
- Bar, Line, Combo and Table

Moving average

Expression
Sum(Sales) Σ

\$Modifier (Moving average) \downarrow

\$Moving average \downarrow

Range
Custom \downarrow

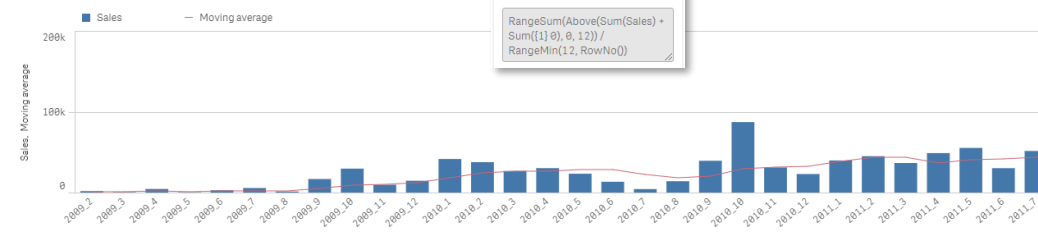
Steps
12

Show excluded values

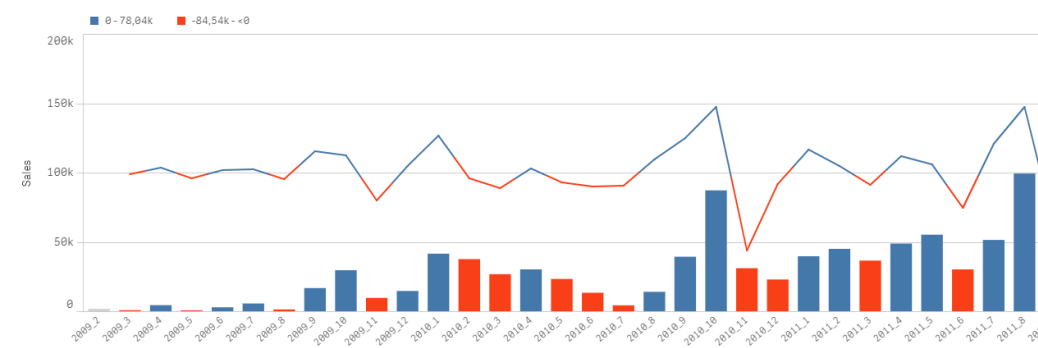
Output expression \downarrow

```
RangeSum(Above(Sum(Sales) *  
Sum({1} 0, 0, 12)) /  
RangeMin(12, RowNo()))
```

Moving average



Difference



Map chart updates

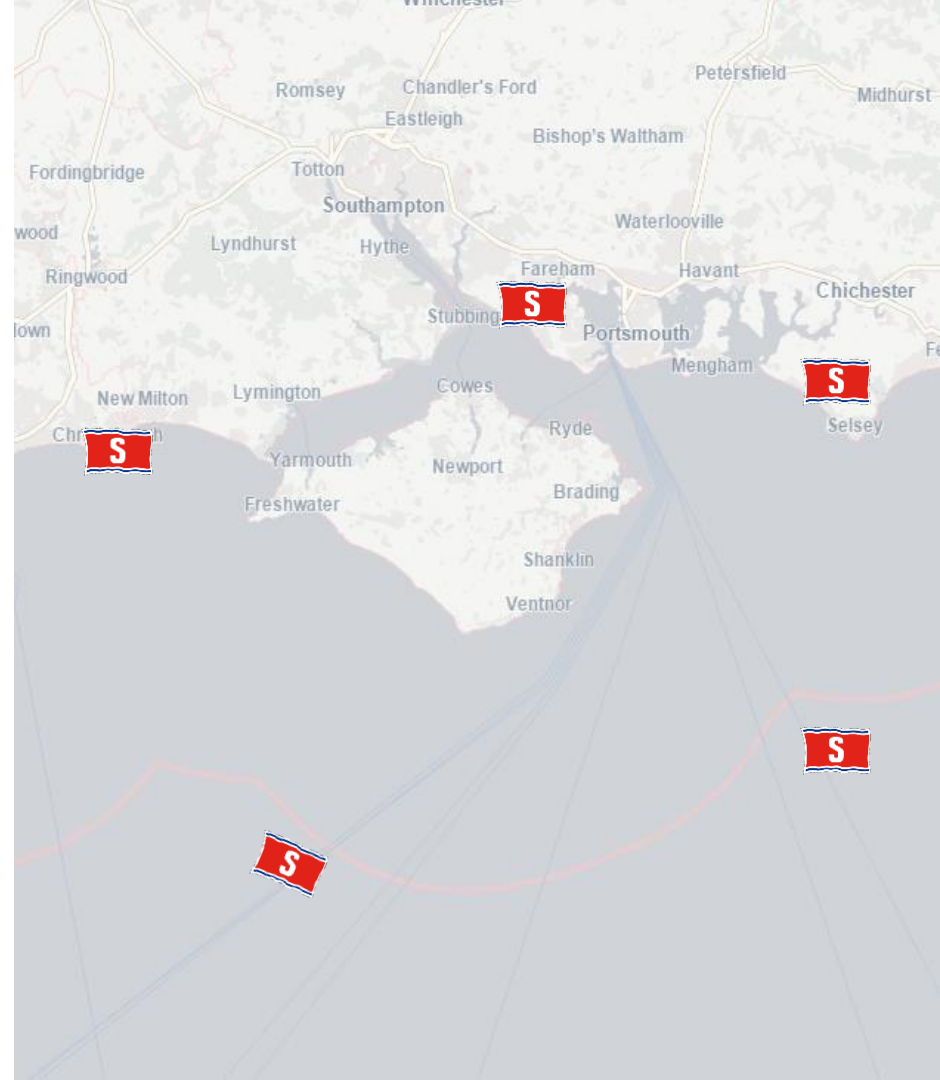
Point images, select, show

Map point layer symbols

- Add any image to point layer
- Pick from media library
- Rotation
- Custom shapes, logos

Selectable on/off

Show condition bg layers



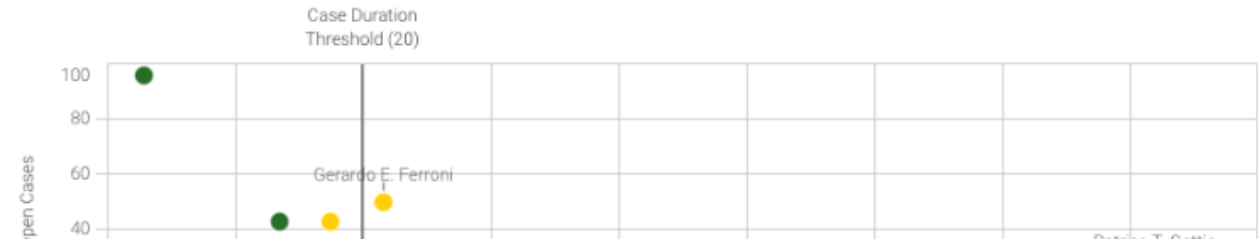
Font family in Themes

Set a custom font in themes

- Set custom font family
- Also inside charts
- Per item or for all
- As experimental at first

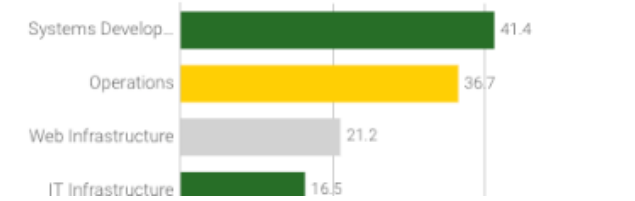
Open Cases vs Duration

* color represents the priority with the most open cases



Avg Case Resolution Time (Days)

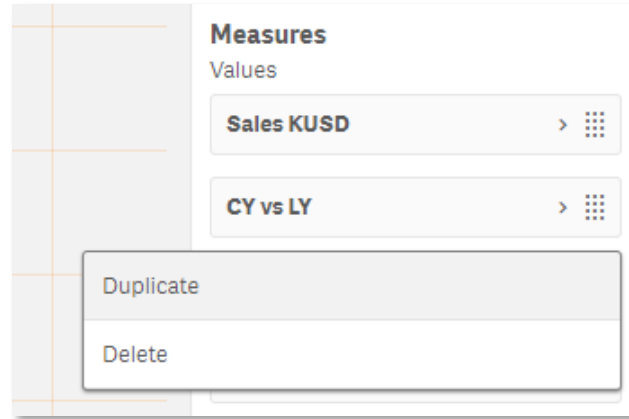
* color represents the priority with the most open cases



Duplicate dimension and measure

Shortcut for app developers

- Content menu choice
- Property panel
- Add dimension
- Add measure
- Creates a copy



Funnel sort order

Custom sorting for any expression

- Much wanted feature
- Apparently few customers use a strict funnel
- Sort by name, number, expression
- Sort by name, number, expression
- Unlocks "Pyramid chart" and the "Vase chart"

Sorting

1 ▼ CategoryName

Sorting Custom

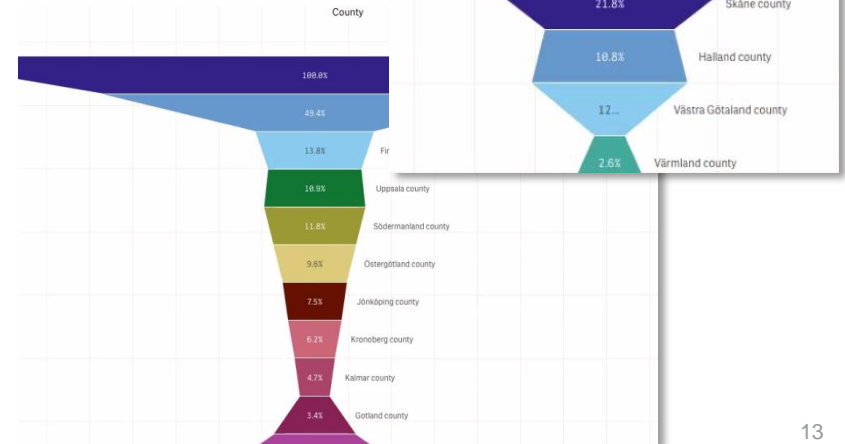
Sort by expression

Sort numerically

Ascending ▼

Sort alphabetically

Ascending ▼



Qlik Geocoding for QSEoCS and QSEoK

Geocoding functions added to GeoOperations

- Qlik Geocoding is licensed separately and requires Qlik GeoAnalytics license (Base or Enterprise)
- Forward and reverse geocoding
- Same as the Qlik GeoAnalytics connector, AddressPointLookup and PointToAddressLookup
- Follow the template (help.qlik.com): load, lookup and store result

street	Q	state	Q	zip	Q	country	
275 Grove Street		MA		02466		US	→
One Pierce Place		IL		60143		US	
14881 Quorum Drive		TX		75254		US	

Match Coords
[-71.25170913199997,42.337
[-88.01508557599999,41.989
[-96.82565412499997,32.949

lat	Q	lon	Q	
25.8587		-80.2094		→
31.1073		-97.7479		
42.6722		-83.1335		

Address	Q
9161 Us-441 N, Miami 33150, FL, United States	
1210 Tx-195, Killeen 76542, TX, United States	
600 Mi-150, Rochester 48307, MI, United States	



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