

# Top 10 Tips for Building Better Guided Analytics Apps

Maximize use of Qlik Sense®  
Advanced Authoring Innovations



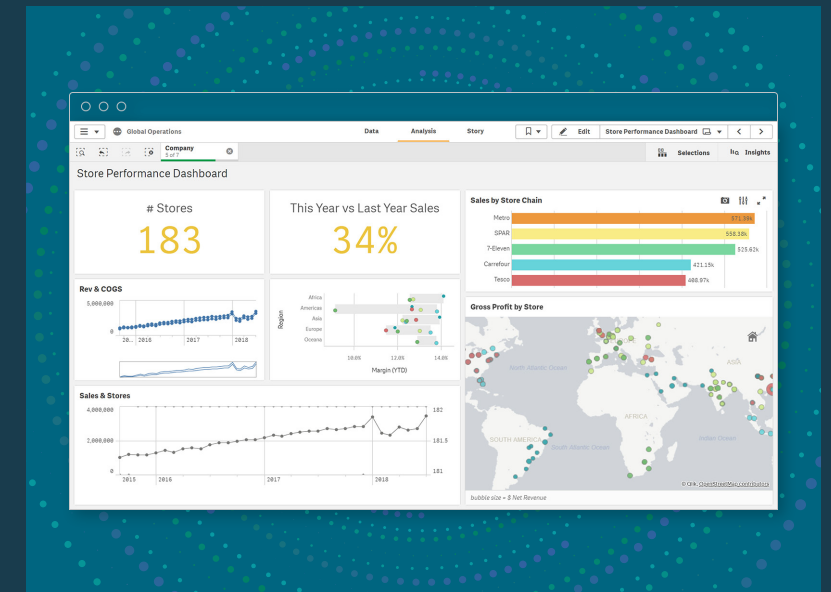
# Get more out of guided analytics

At Qlik®, we're constantly working to help businesses modernize to the third generation of BI, and that means ensuring you have access to the complete capabilities you need. As you move from previous-gen products like QlikView® to our modern Qlik Sense solution, you'll no doubt want to continue building robust guided analytics applications that assist users in uncovering insights.

As such, over the past few years, Qlik has added more than 100 Advanced Authoring capabilities for Qlik Sense that make it easy to create and consume guided applications. These Advanced Authoring capabilities are designed to balance:

- The ease of use of self-service analytics with Qlik Sense
- The flexibility to address all the complex use cases your business requires
- The advanced functionality, settings, and options within charts and visualizations that power uses require

Our goal has been to give self-service users the ability to do more, ensuring you have both the capability and scalability to author the apps you need. Read on to explore some of the powerful recent additions to Qlik Sense Advanced Authoring and how they can help.



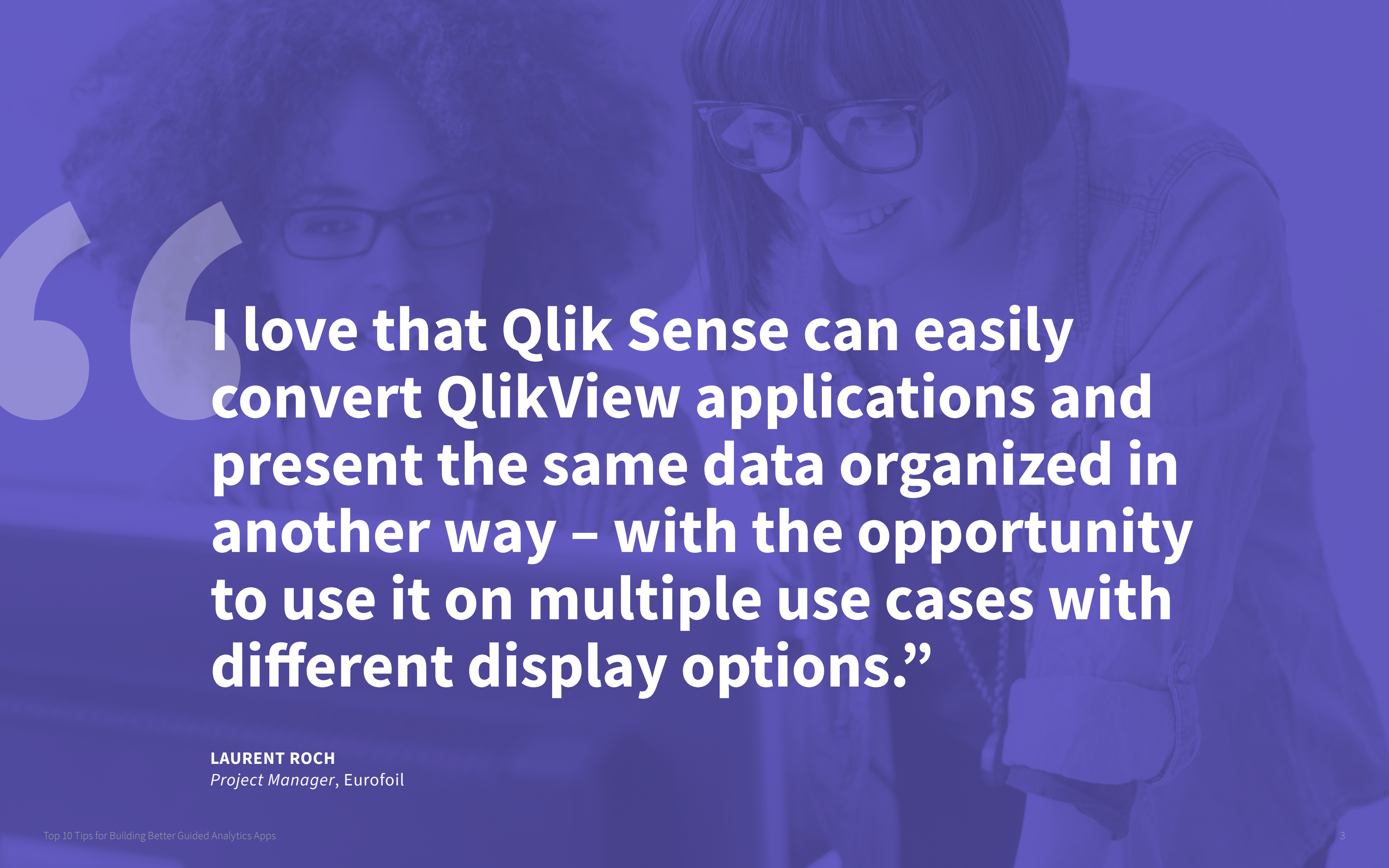
## QLIK SENSE: THE BENCHMARK FOR THIRD-GENERATION BI

Qlik Sense offers industry-leading analytics across a full range of use cases:

- Interactive dashboards and apps
- Reporting and alerting
- Self-service, conversational, mobile, custom, and embedded analytics

Qlik Sense augments human intuition with automation, natural-language interaction, and AI-powered insight suggestions – empowering everyone in your organization to make smarter, faster, data-driven decisions. The platform also offers unmatched performance and governance, with the convenience of SaaS and the ability to work in both multi-cloud and on-premise environments.





**I love that Qlik Sense can easily convert QlikView applications and present the same data organized in another way – with the opportunity to use it on multiple use cases with different display options.”**

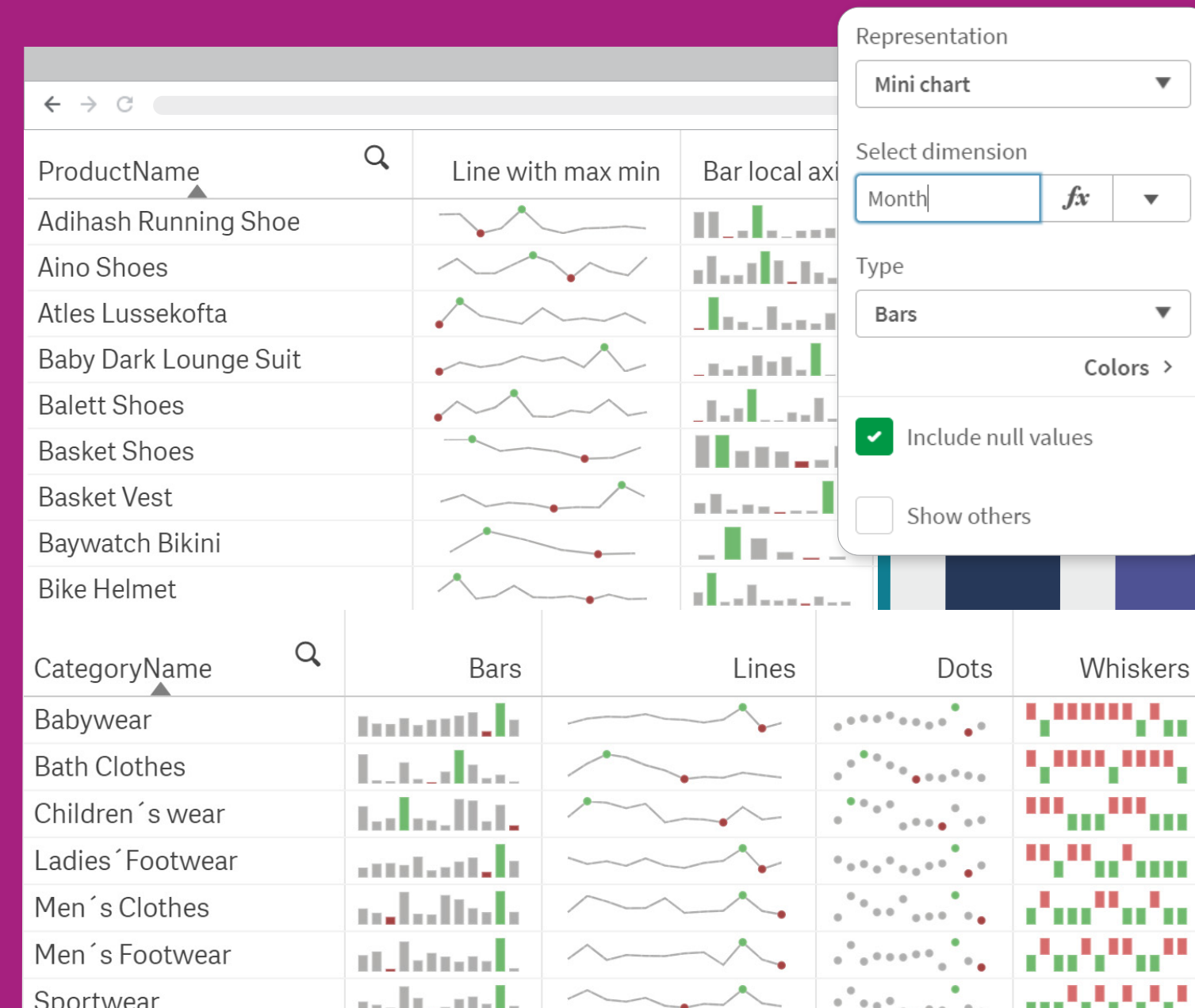
**LAURENT ROCH**  
*Project Manager, Eurofoil*

# 1 Sparklines

Sparklines, which display graphs within tables, are used to present a measure over another dimension over time. Visualized as bars, lines, dots or positive/negative points, sparklines can be used for things like temperature measurement, where you can show color max/min, first/last value, and local/global scope. This gives you more detail than ever before, for greater insights.

**“I love that Qlik Sense is a rich information integration tool that distills the chaos of volumes of data.”**

James Naidoo  
IT Manager, GUD Holdings (Pty) Ltd

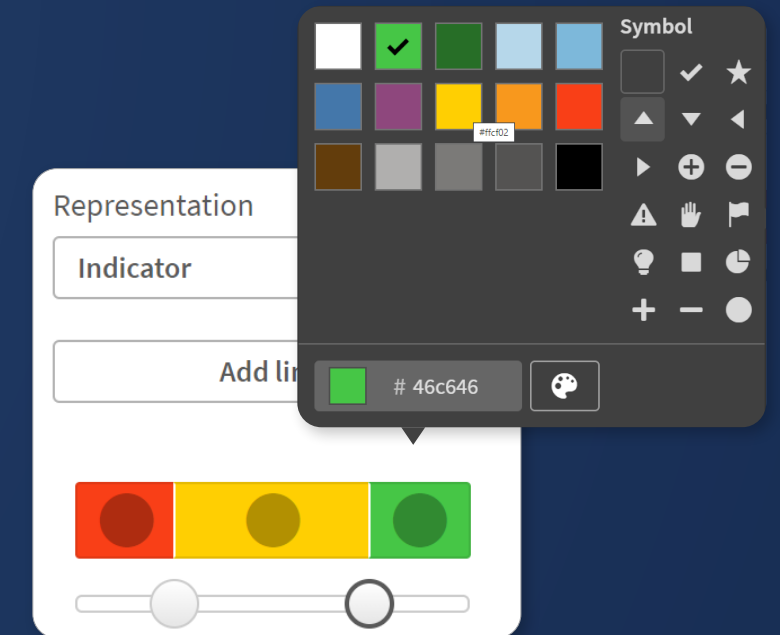




## 2 Table Indicators

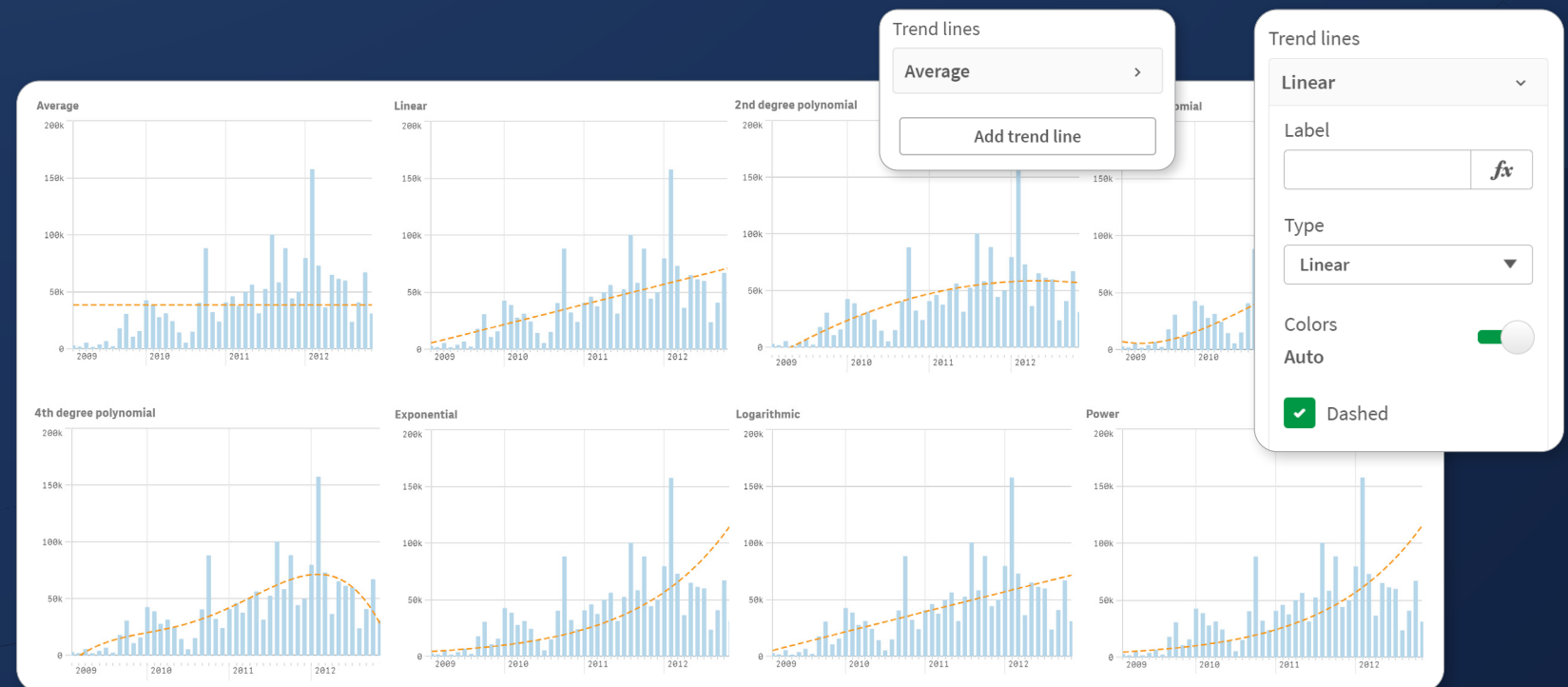
Table indicators allow you to display graphic elements like icons within a straight table. These can include things like traffic lights, warnings, and conditional symbols – all of which can be color-coded using the Qlik Sense UI. Table indicators are particularly helpful when you need a quick visual status update.

Product	Status	CY vs LY	Rank CY
Totals	1,3	6%	-
Minnki Pälsii	●	-8% ▼	★
Davenport	●	48% ▲	★
Snake Boots	●	6% ▲	★
Le Baby Dress	●	141% ▲	★
Terence Top	●	98% ▲	★
Atles Lussekofta	●	54% ▲	★
Conserve Shoes	●	52% ▲	★
Aino Shoes	●	144% ▲	★
Ga-Ga Dress	●	44% ▲	★
WFS shoes	●	234% ▲	
Tennis Suit	●	96% ▲	
Small Crocodile Boots	●	59% ▲	



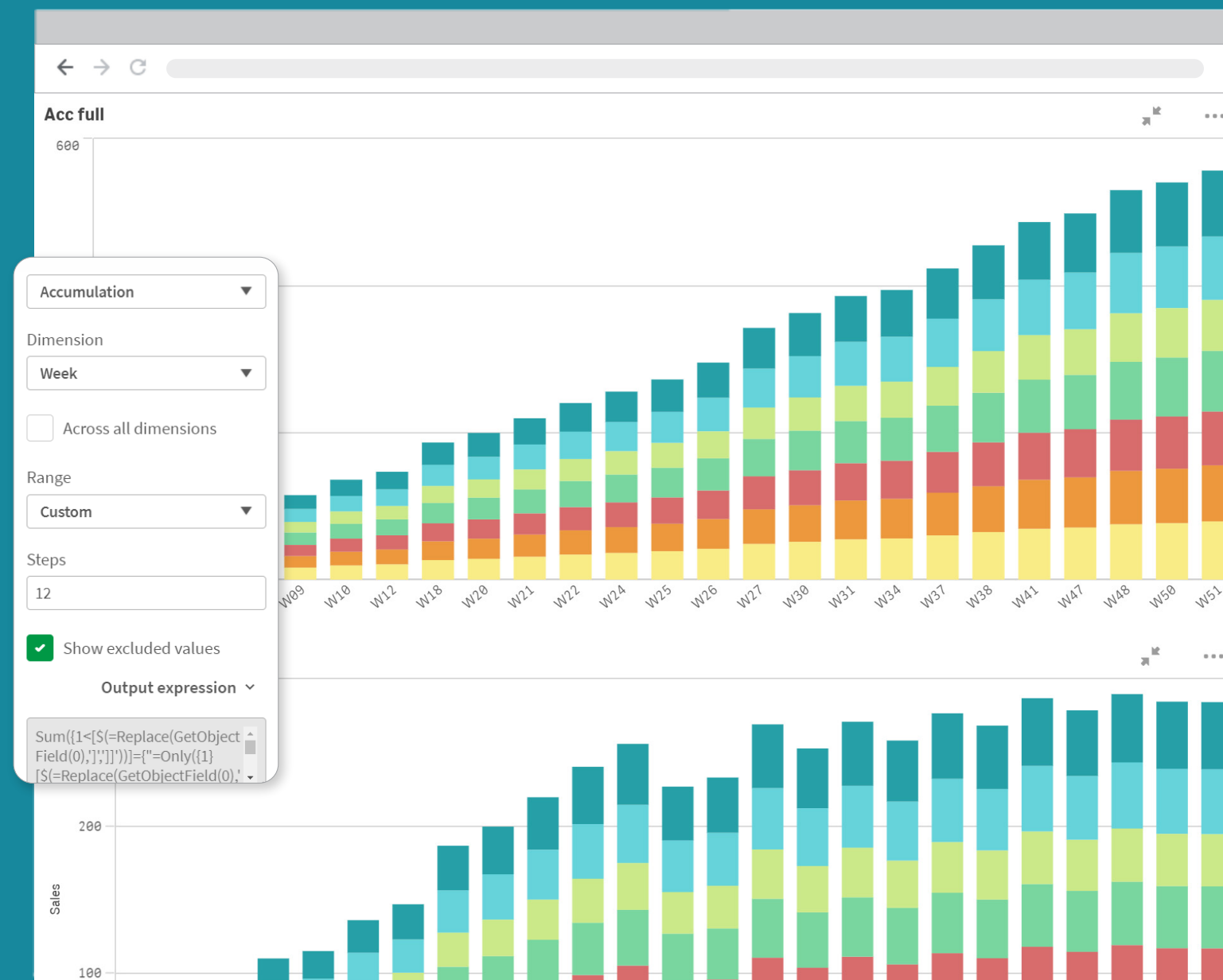
## 3 Trendlines

You can now use the Qlik Sense UI to add trendlines to bar and line charts. A variety of dimensions – including average, linear, exponential, power, logarithmic, and polynomial lines – can be displayed. Trendlines will help you quickly and easily determine whether you need to take action on an upward or downward trend.



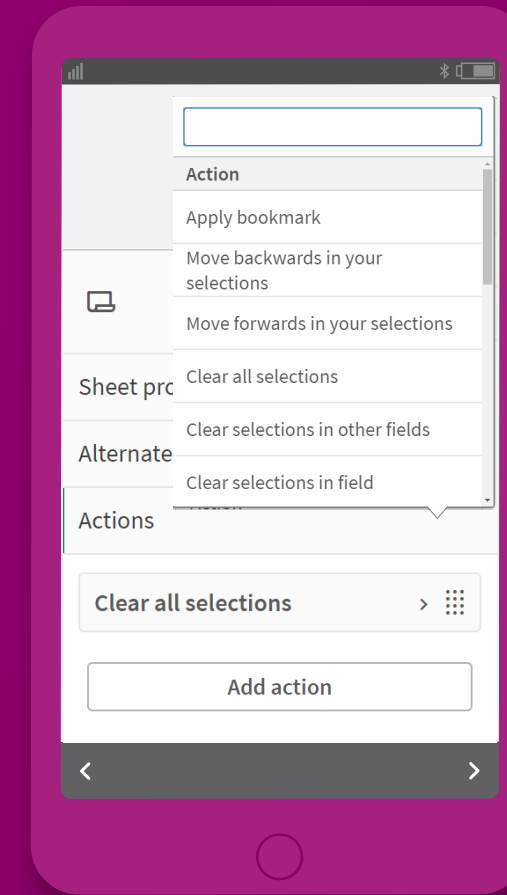
## 4 Accumulation

Measuring accumulation has always been possible in Qlik Sense, but writing accumulated expressions can be challenging. Now, accumulation is available as a shortcut within our bar chart, as well as in our line chart, combo chart, and in the table for all compositions. The accumulation can be made over the whole dimension or in a finite number of steps. And, for advanced users, the generated expression is available for closer inspection.



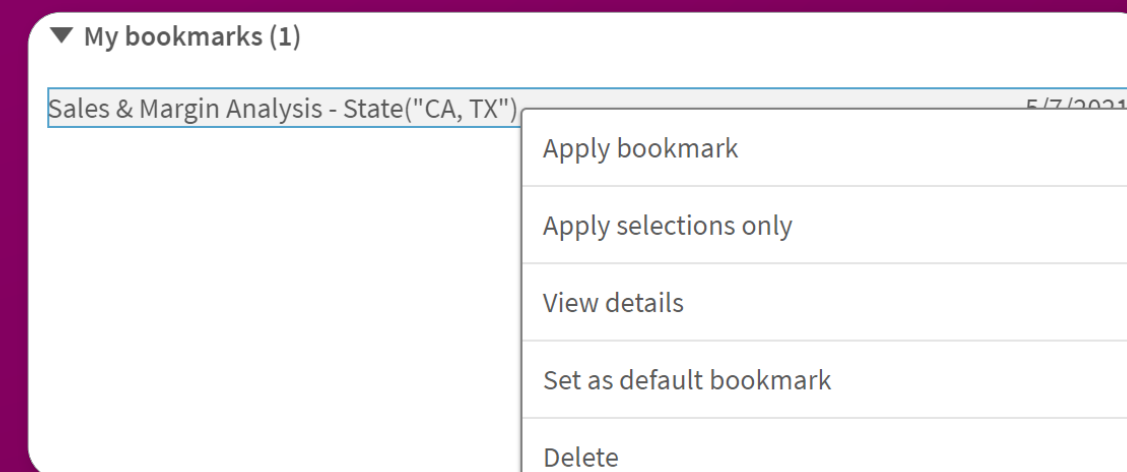
## 5 Sheet Triggers

With this feature, you can set an action to trigger as a user enters a sheet – these actions support guided analytics. They include selection manipulation, field state, set bookmark, and set variable. Sheet Triggers help expedite navigation so you can get to insights and action more quickly.



## 6 Default Bookmarks

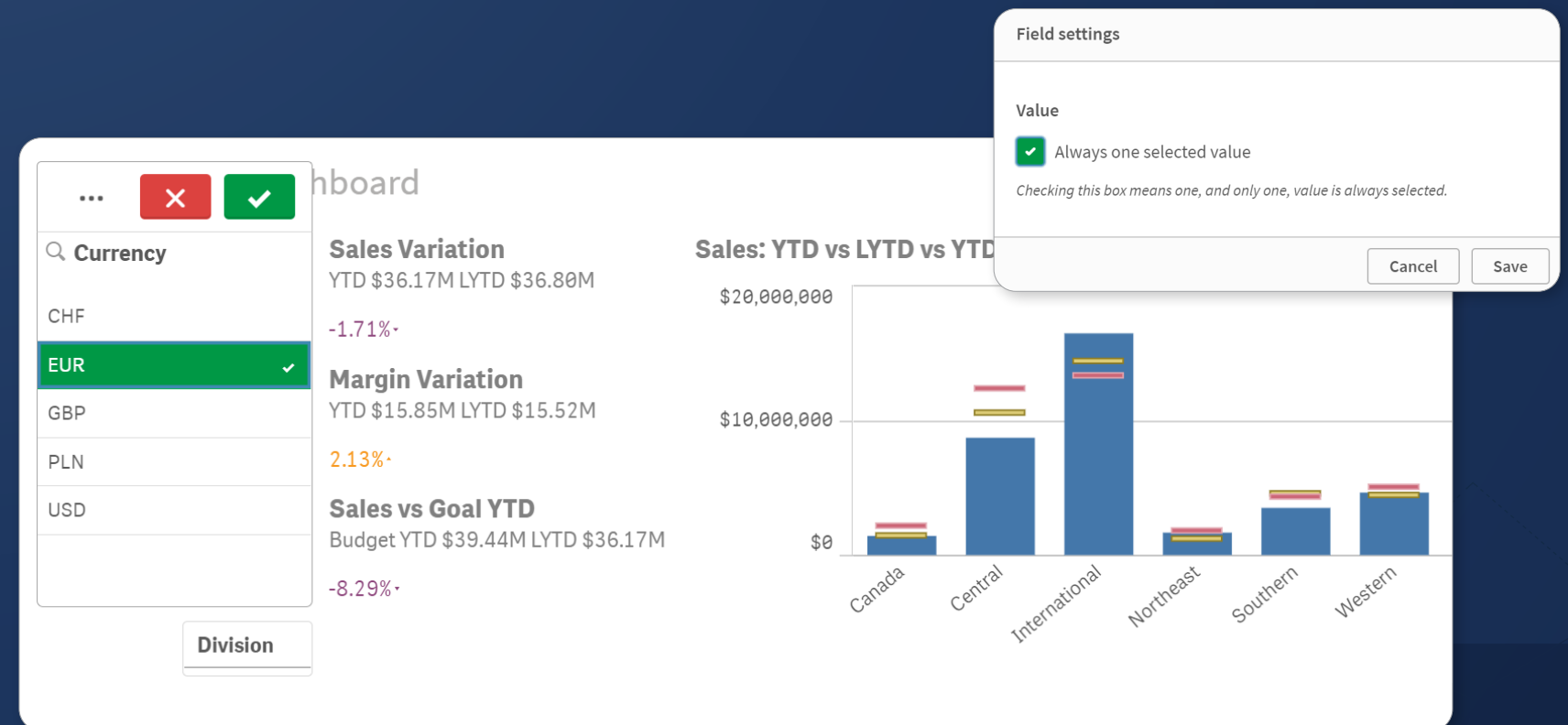
Qlik Sense gives you the ability to set a default bookmark, so you can define a particular sheet as the landing page of your app. To set the default bookmark, your app must be unpublished and only one default bookmark can be set for an app. This is a handy, time-saving feature.





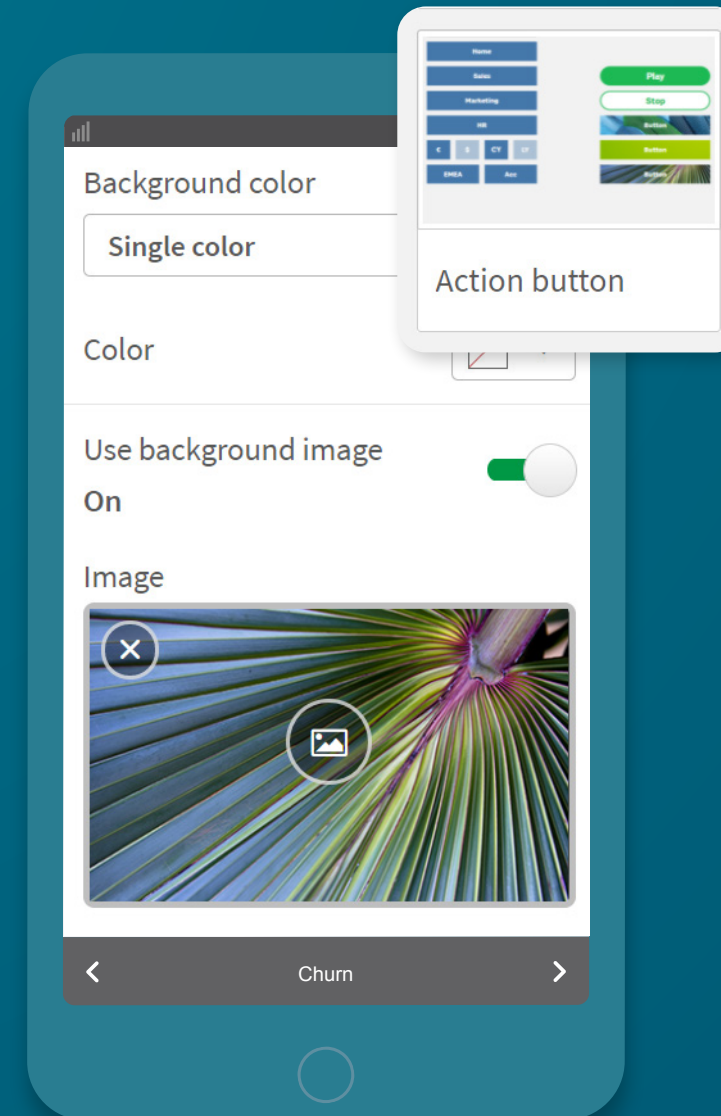
## 7 Single-Value Selections

When building visualizations, you can set “always one selected value” to specify that only one value is always selected for a field. Single-value selections can be used on one or more fields, and when published, the value is applied to every sheet in the app, even when the app is duplicated. Furthermore, to highlight selections for your app users, you can use the value with a default bookmark. This gives you greater control over conditions and expressions, localization requirements, and other guided analytics use cases.



## 8 Action Buttons

Qlik Sense includes a new native action button object, which includes styling. You can choose your preferred font size and color, background color and image, and border color width and radius. This can help simplify navigation and clarify the actions available.

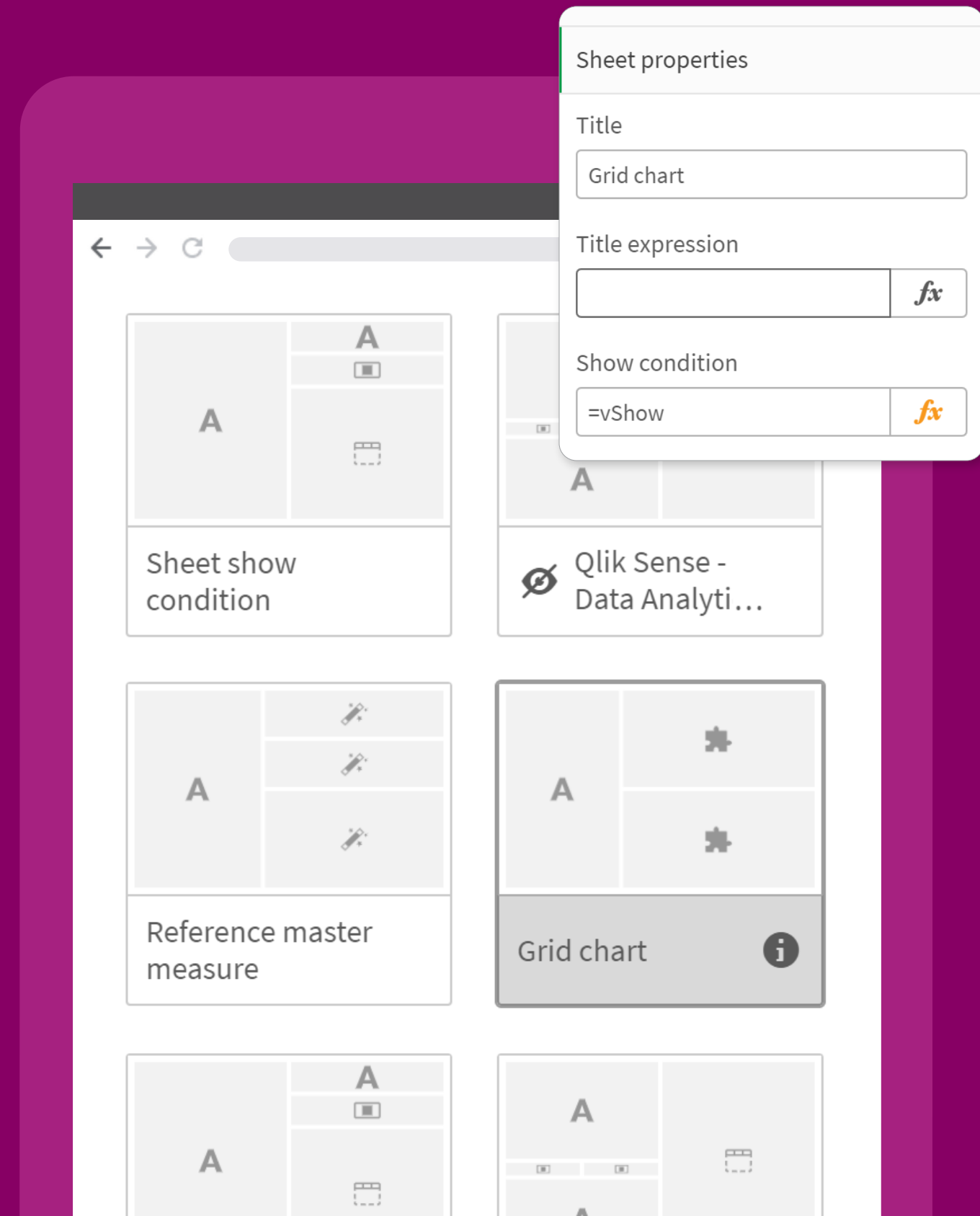


## 9 Show/Hide Sheet

A sheet's visibility can now be controlled using a show condition – which can be any expression that's evaluated using true or false. By controlling sheet visibility, app content can be adapted for different groups of users. This provides you with increased flexibility by adding customization based on user profiles.

“I love that Qlik Sense allows me to create my own vision on the app, on my own, without having to constantly go through or wait for an insight consulting representative.”

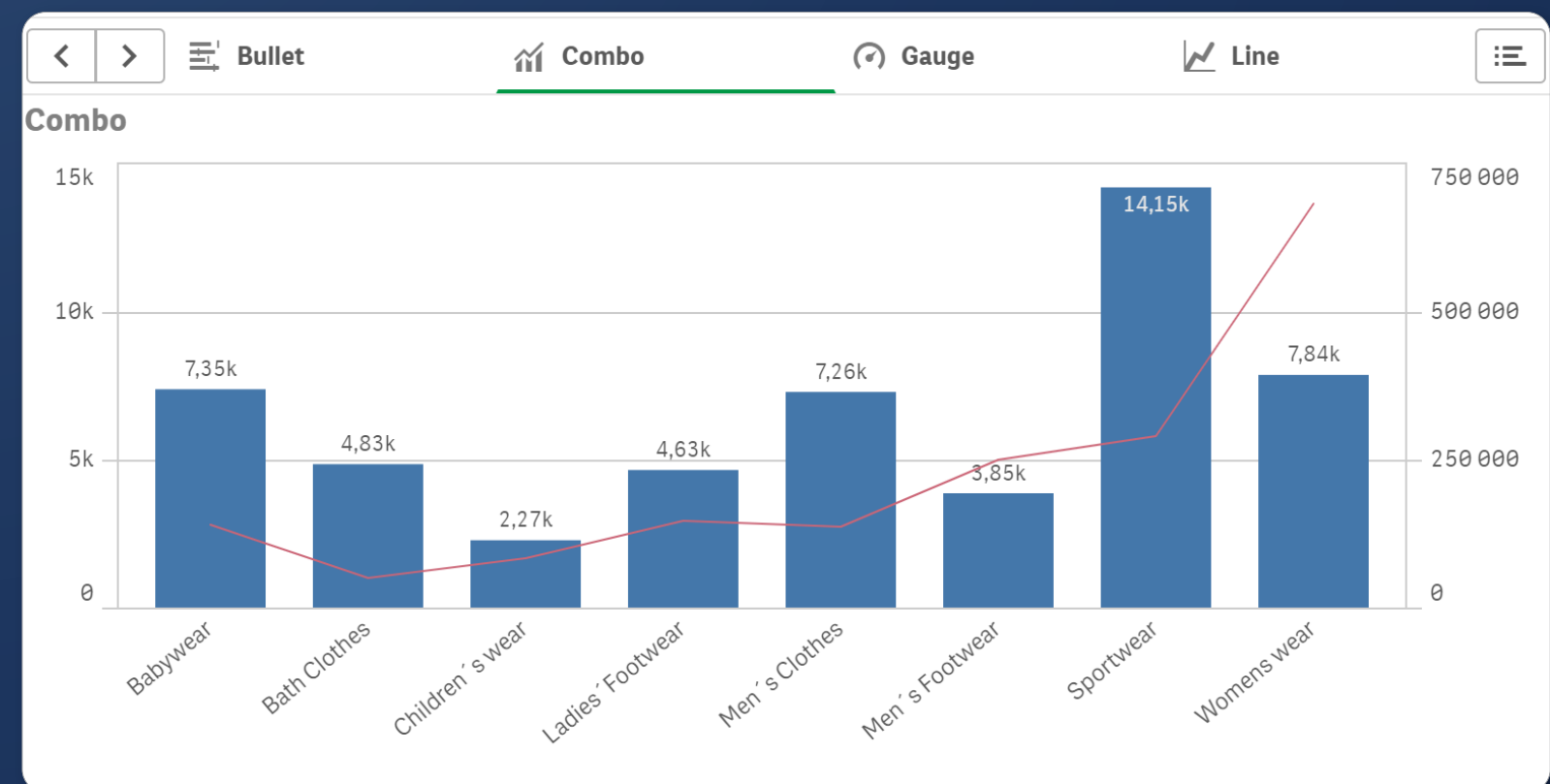
**Marissa Munian**  
Procurement Data Analyst, Illovo Sugar Ltd





# 10 Containers

Our new container object allows you to add multiple visualizations in a limited space, setting conditions to show or hide them as needed. This is ideal for quickly and easily switching between visualizations in a dashboard with limited real estate. Different visualizations can be shown based on user, variable value, and number of values in a field.





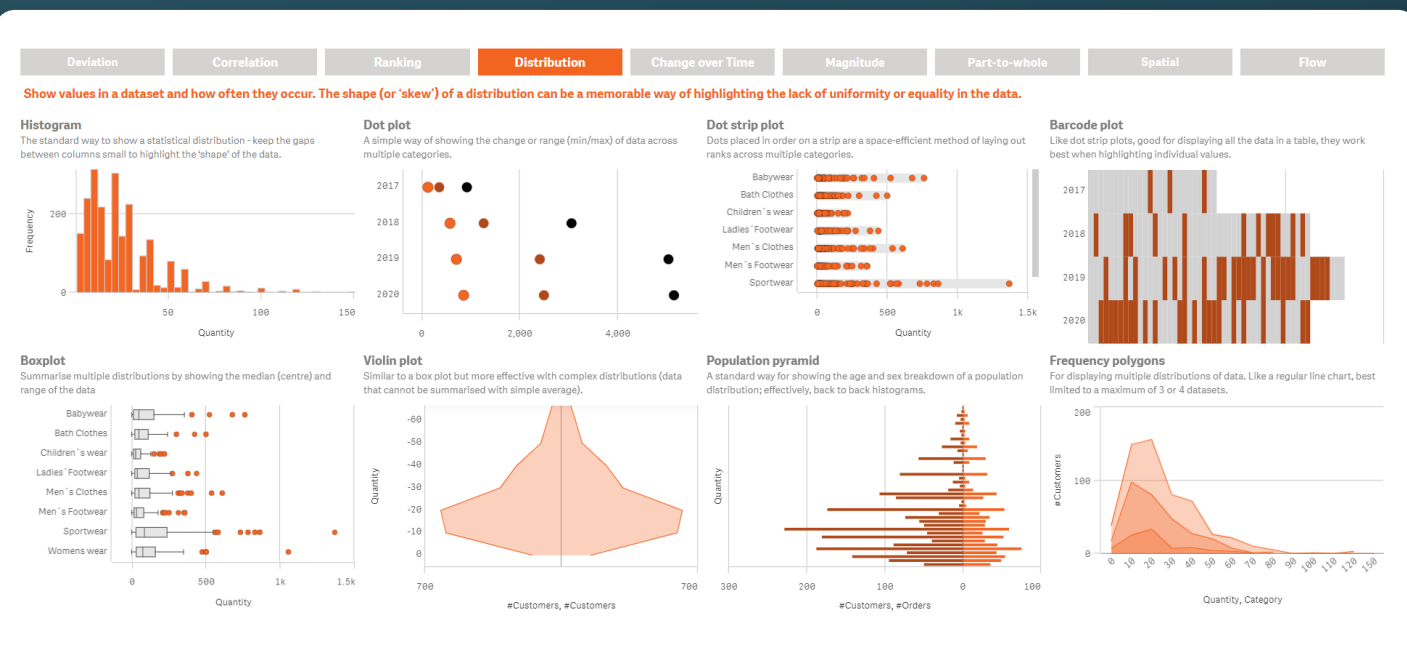
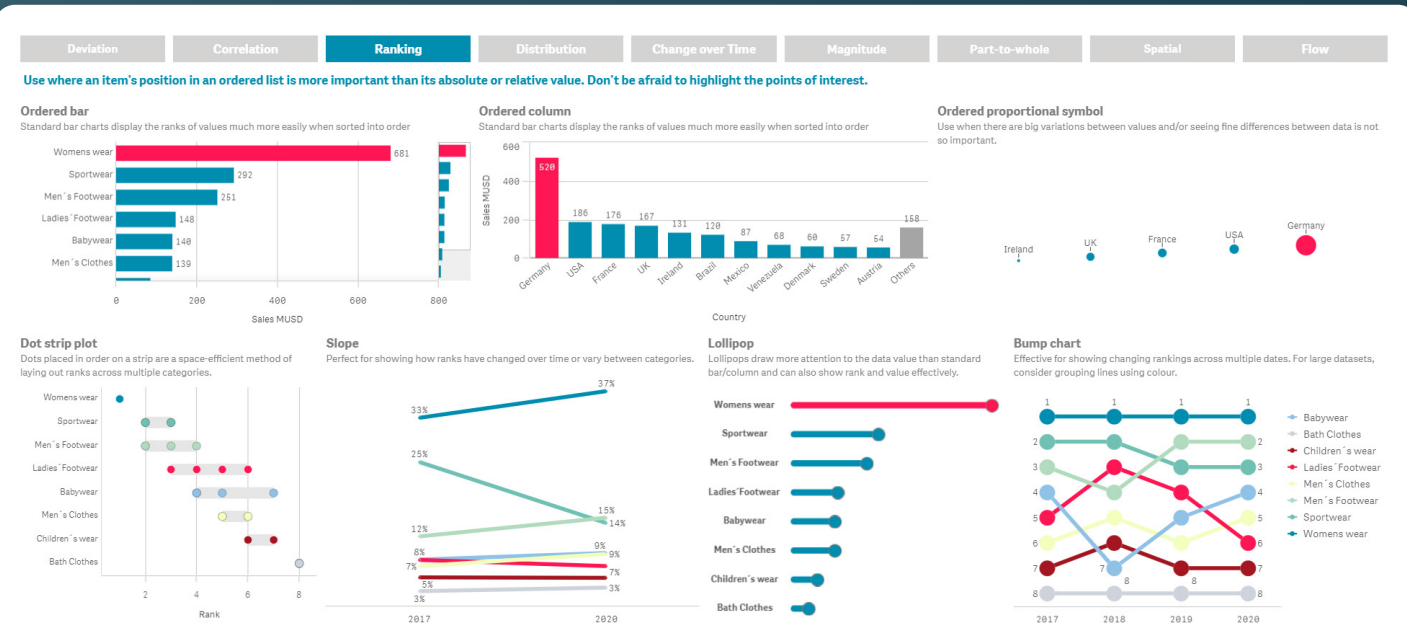
**I love that Qlik Sense is the wow-factor. So easy to use. Anyone who is interested in data can easily learn. When showing our customers the analysis we do in Qlik Sense and show them the result in maps, they get impressed.”**

*Marketing Professional, Large Enterprise Transportation Services Company*



# Achieve your BI goals with Advanced Authoring

Qlik Sense provides industry-leading data analytics capabilities for the full range of analytics users and use cases. The Advanced Authoring capabilities of Qlik Sense give you greater control over your visualizations and make it easier to build guided analytics applications for faster data-driven insights. Recent authoring innovations enable you to deliver a richer analytics experience, clarify insights, and give users a deeper understanding of their data to expedite data-driven decision making.



## RESOURCES:

- Learn more about Qlik Sense at [qlik.com](https://www.qlik.com).
- Visit the [Qlik Sense Visualization Showcase](#) to see our latest features and enhancements.
- Questions about our Advanced Authoring capabilities? Visit the [Community Forum](#).



## ABOUT QLIK

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Qlik's vision is a data-literate world, where everyone can use data and analytics to improve decision-making and solve their most challenging problems. Qlik provides an end-to-end, real-time data integration and analytics cloud platform to close the gaps between data, insights, and action. By transforming data into Active Intelligence, businesses can drive better decisions, improve revenue and profitability, and optimize customer relationships. Qlik does business in more than 100 countries and serves over 50,000 customers around the world.



[qlik.com](https://qlik.com)