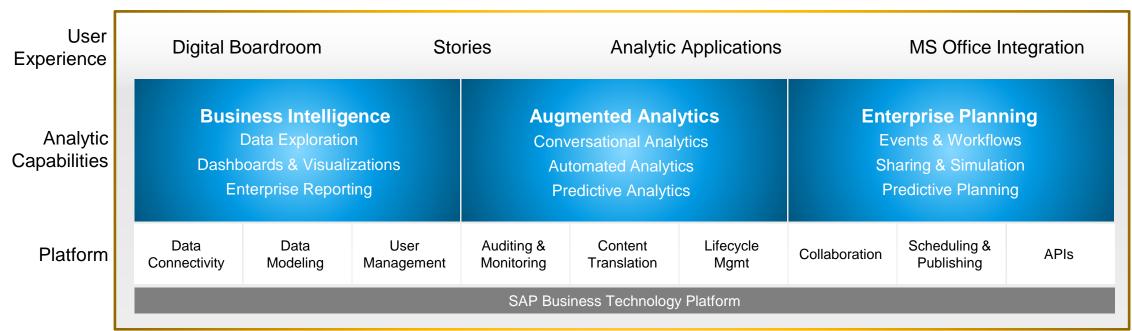


SAP Analytics Cloud





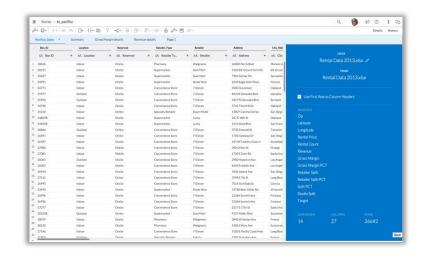




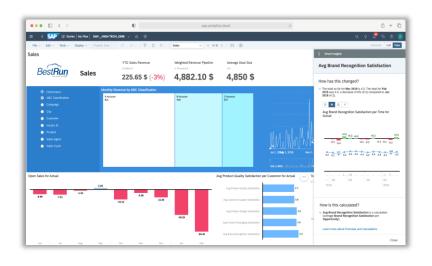


Analytics and Business Intelligence

Explore data across the organization and deliver insights at the point of decision







Data Modeling & Preparation

Set key performance metrics, dimensions, and hierarchies and automate data wrangling to gain deeper insights.

Data Exploration & Visualization

Discover insights and inspire audiences with interactive visualizations and data stories by slicing and dicing data, regardless of volume size.

Augmented Analytics

Go the last mile of data-driven decision-making with machinegenerated analytics and insights.

Dashboards & Visualizations

Design and deliver stunning, interactive enterprise dashboards across all lines of business

- Extensive visualization library, geo maps powered by ESRI and custom R visualizations
- Define custom calculations, calculated dimensions, aggregations and more
- Display variance, dynamic text, custom tooltips, CAGR and more
- Easily comment, collaborate and share content via document link with other users

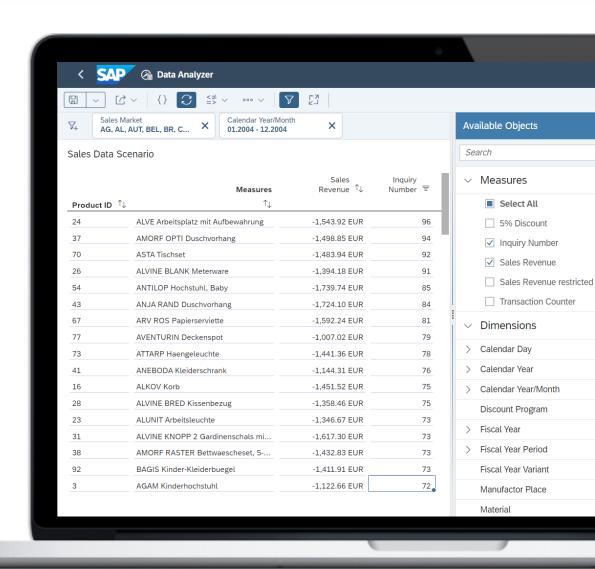




Data Analyzer

Query your data directly and perform ad-hoc analysis in a pivot-table style analysis view

- Standalone exploration tool with easy access from the side navigation bar
- Transient access to SAP BW and SAP HANA data sources
- Save Insights, share and publish
- Contextual exploration





Enterprise Reporting

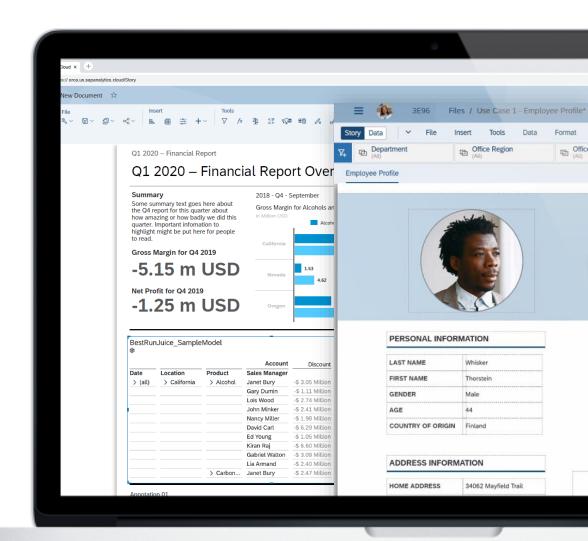
Design reports and distribute to the workforce on-demand or scheduled

Report Formatting

- Multi-page reports
- Report sections, headers and footers
- Paginated export to pdf and pptx

Report Delivery

- Schedule and distribute reports to SAP Analytics
 Cloud and non-SAP Analytics Cloud recipients
- Burst personalized content to SAP Analytics
 Cloud recipients based on recipient authorization





What-If Analysis

Simulate "what-if" scenarios to test possible outcomes

- Perform what-if visually with value driver trees and tables
- Perform top-down bottom and bottomup simulations
- Answer questions like:
 - What if you increase discount by 20%?
 - What if you hire more staff?
 - What if costs of goods increased?²

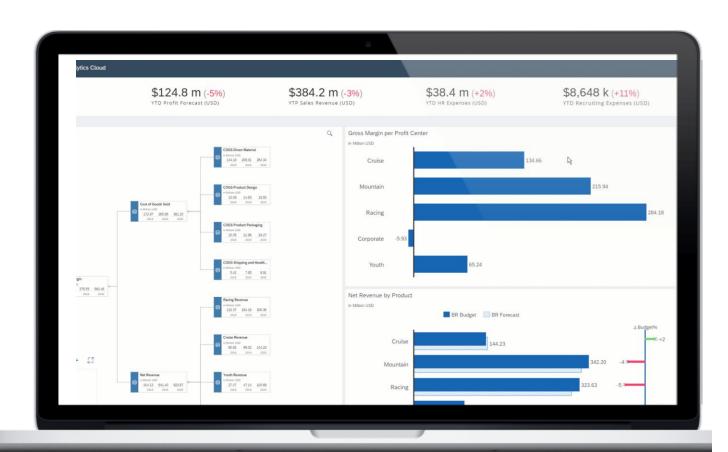


Smart Insights

Insight in one click from dimension members contributing most to a data point or to its variance

Tailored for BI Consumers

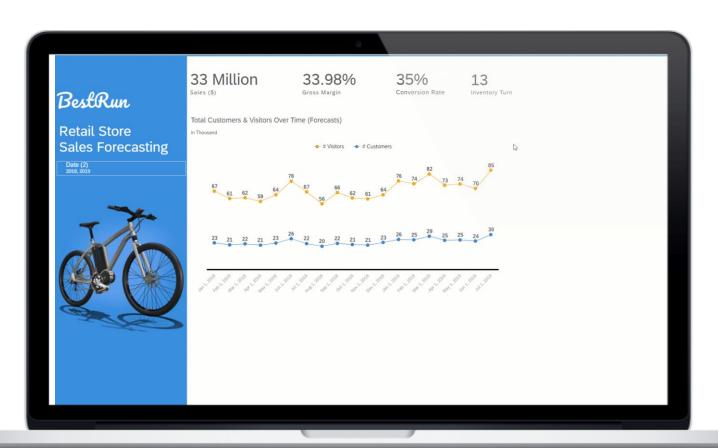
- Beyond filter & drill, open up exploration of underlying model
- Natural language that explains top contributors



Time Series Forecasting

Predict future values of a series based on historical data to help you make more confident decisions

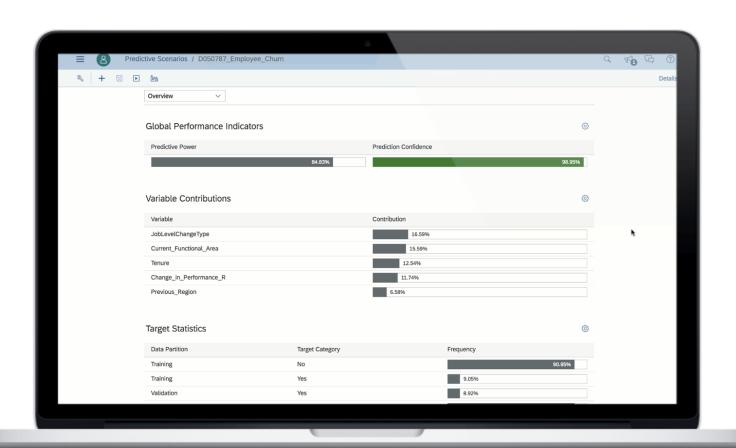
- Automatic forecasting on time series charts, line charts and planning tables
- Apply advanced options like linear regression, triple exponential smoothing and include additional inputs
- Forecast quality based on MAPE and is displayed as 0-5 rating



Smart Predict

Build trusted and actionable predictions without the help of a data scientist

- Classification: "Create a sorted list of prospects to focus on for this product"
- Regression: "Give me revenue estimates for each customer for the next 6 months"
- Time Series: "Forecast revenue for each product and each point of sales daily for the next 30 days"

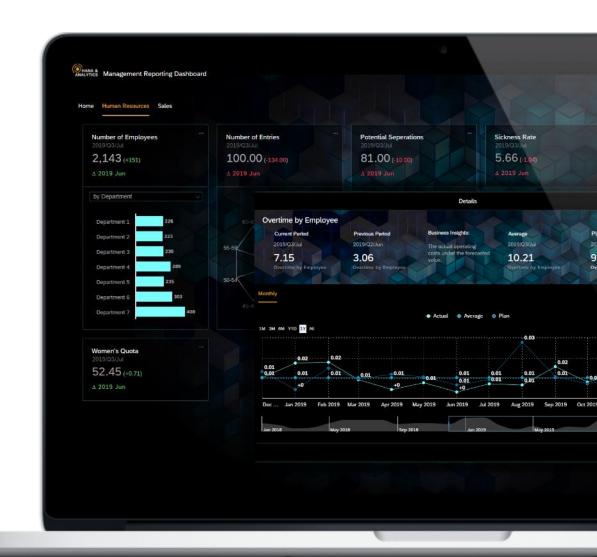




Analytic Applications

Fulfill unique and advanced use cases and workflows with analytic applications built with Analytics Designer

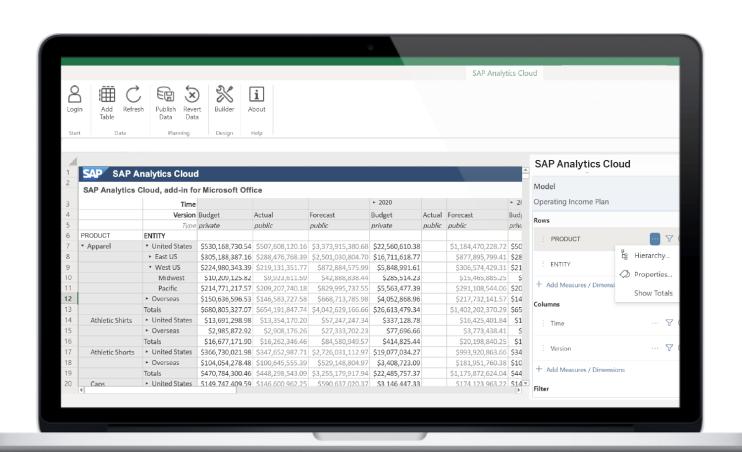
- Develop analytic applications that bring together
 BI, Planning, and Predictive capabilities
- Start from existing content, reuse user stories widgets, customize, integrate and extend
- Guide the users and adjust the widgets behavior based on their expectations



Add-in for Microsoft Office

Analyze your plans, simulate future outcomes, and make effective business actions with Microsoft Office Excel 365

- Design formatted reports in Excel
- Created formatted reports on analytic and planning acquired data models
- Plan, simulate and write back to planning models
- Collaborate with colleagues online, on desktop, Windows or Mac



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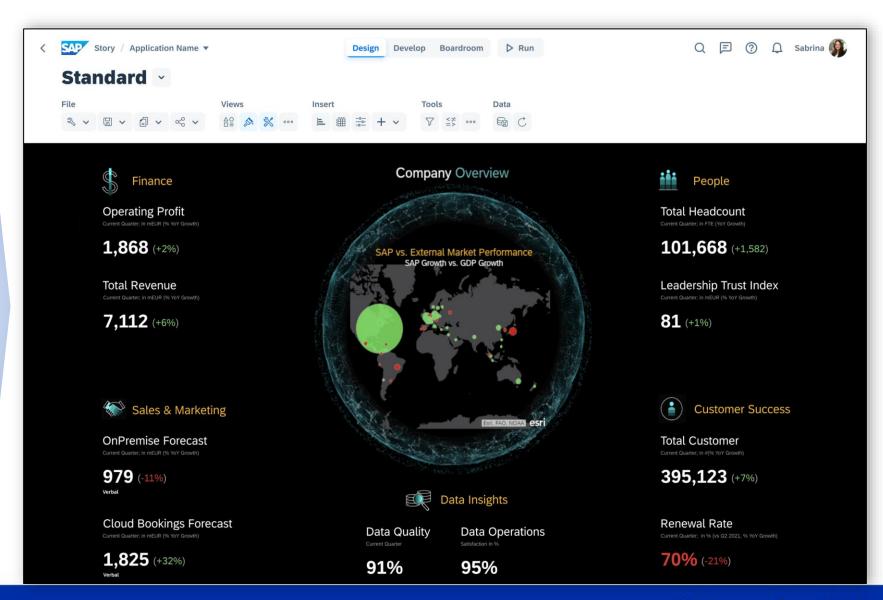
Story Builder



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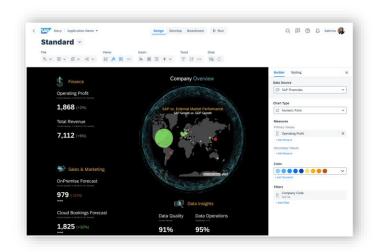
Analytic Application





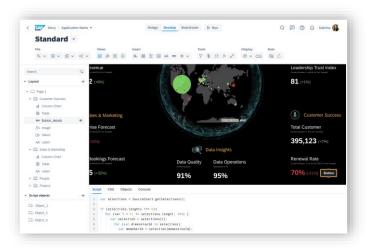
One Tool For All - Story, Analytics Designer & Digital Boardroom

Simplicity, Consistency and Extensibility



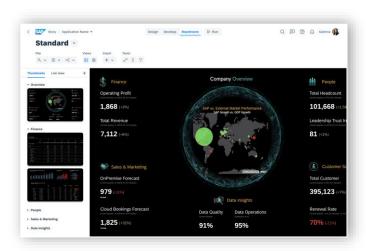
DESIGN

- Simple mode
- Define the layout
- Add data visualizations



DEVELOP

- Advanced mode
- CSS and pixel perfect
- Enhance with code/logic



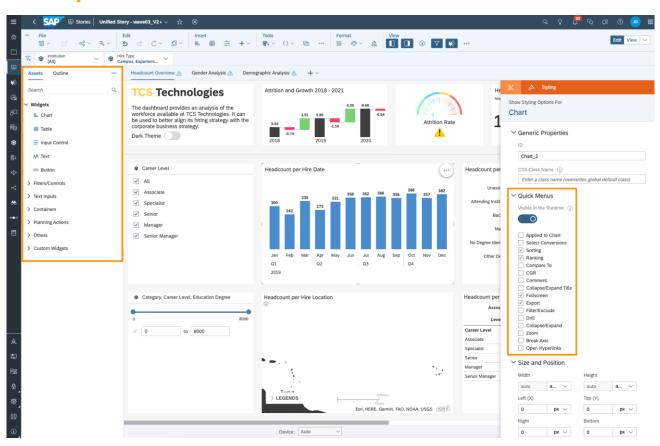
BOARDROOM

- Build your presentation
- Add pages from stories
- Define navigation paths

Integrated Design Time for Both Designer and Developer

Story Designers and developers are working together in one environment, for seamless collaboration. Within this integrated design time they will be able to open widgets and the outline panel via the left panel icon:

- Assets panel provides all the widgets that can be added to story canvas via drag & drop
- Outline panel provides a structured view of all widgets that are currently available in the story
- In addition, story designers and story developers will be able to lock a widgets position and show/hide widgets in outline
- As story designer you can configure the context menu of a widget to flexibly adapting story individual needs



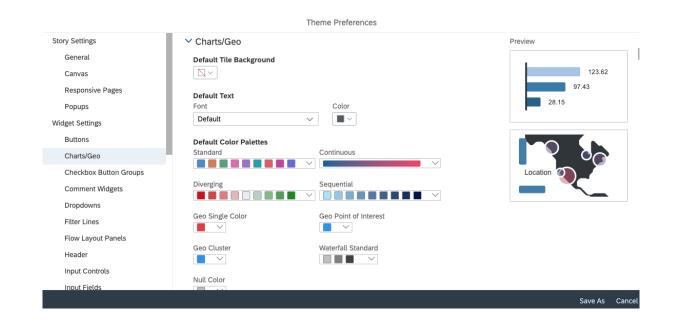


Flexible Theme and CSS Capability

Now you as customers can define your corporate theme and save theme as an artefact in SAP Analytics Cloud repository.

Story designers or developers can apply this theme to their stories, via one click in design time, without defining the color/font size etc. in each story.

In addition, Theme editor is provided with a preview to give the visual guidance for Theme designer.

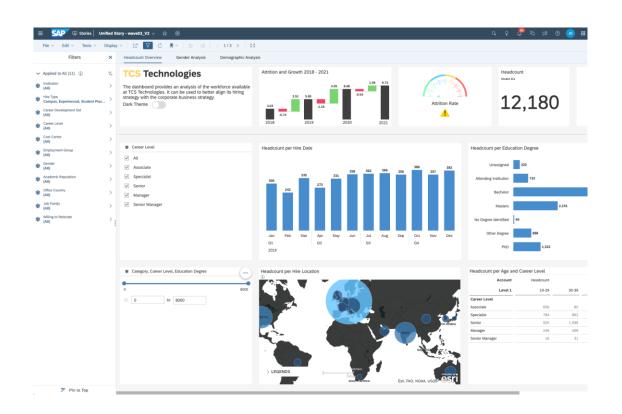


Vertical Filter Panel

Story viewers can now switch the orientation of the filter panel between horizontal and vertical.

A vertical filter panel provides more space to display and interaction with filters (in particular while navigating hierarchical value lists).

Story designers can configure the default orientation that viewers see when opening the story.



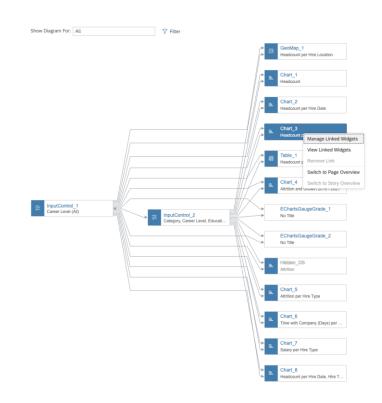


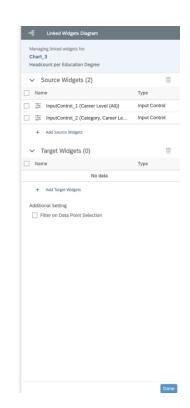
Linked Widgets Diagram

A Linked Widgets Diagram provides a graphic overview of the defined linked analysis among widgets.

Moreover, it is the central location for story designers or developers to maintain linked analysis definitions (edit, delete, and add linked analysis).

This diagram will be especially beneficial if there are many defined linked analyses between charts, tables, input controls, and users want to understand the interactions between widgets.



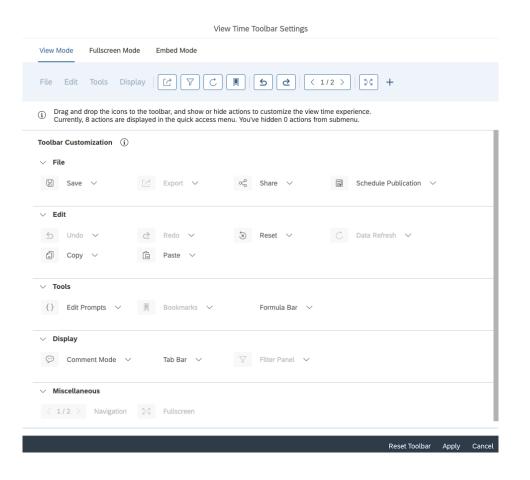




Configurable View Time Toolbar

Now the story toolbar can be configured for view mode, presentation mode or embed mode.

Story designer or developers can configure the tool bar to best match the needs to story viewers. E.g., if the story does not contain any variable value, then the prompt icon in toolbar can be removed and replaced by another icon via drag and drop.





Integration with Data Analyzer

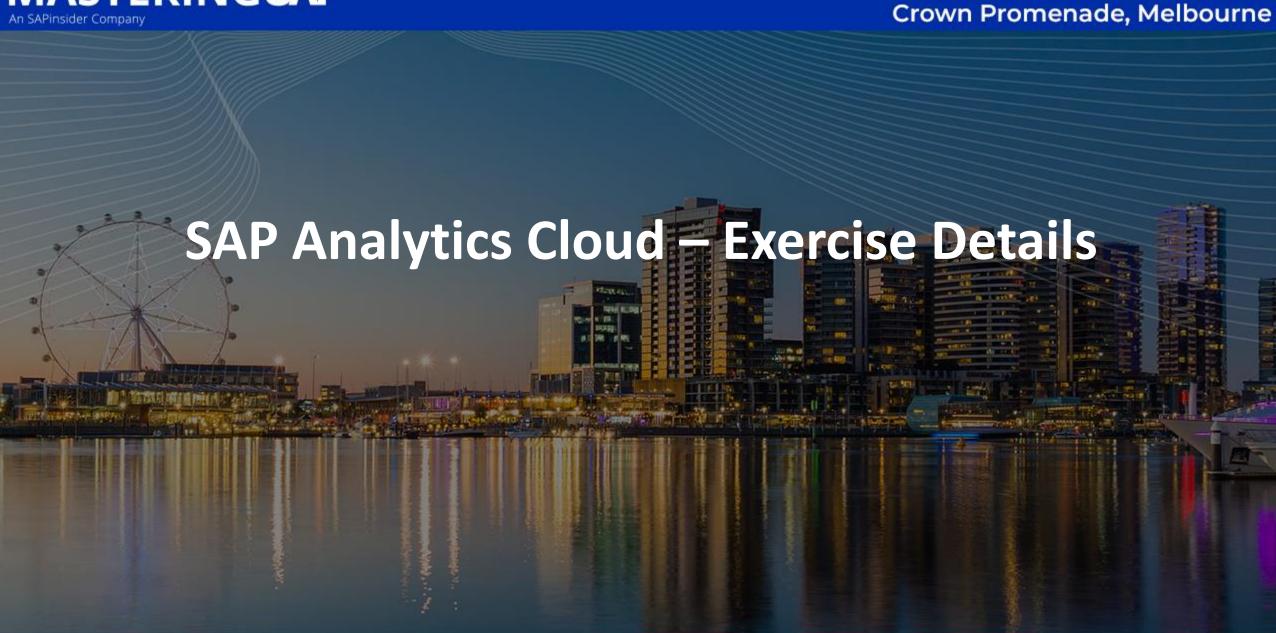
Here story viewers can jump to Data Analyzer from a story table for further data exploration purpose and the entire table state (like filter, drill down etc.) can be completely taken over.

Headcount per Age and Car	Applied to Table	·			
Account	Headcount			"e Drill	
Level 1	19-29	30-39	40-49	Remove Reference	60+
Career Level				[♂ Export	
Associate	656	85	_	Open Data Analyzer.	
Specialist	784	862	368	53 Fullscreen	176
Senior	925	1,598	1,512	1,413	1,221
Manager	246	468	428	436	440
Senior Manager	16	31	60	65	39

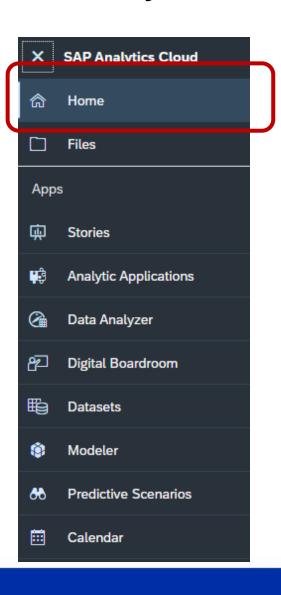
Why SAP Analytics Cloud?

- ► Analyze, predict and plan all in one unified user experience
- ► Connect live to cloud and on-premise data sources and break down data silos
- ► Make confident decisions with automated insights powered by machine learning
- ► Collaborate with ease; add discussions, comments or share content on desktop or mobile
- ► Innovate rapidly with new innovations and features automatically added every quarter
- ► Scale flexibly to support users & enhance capabilities without increasing IT costs
- Cloud software-as-a-service solution fully hosted and maintained by SAP



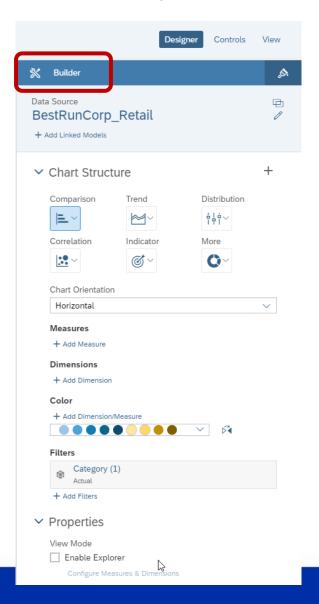


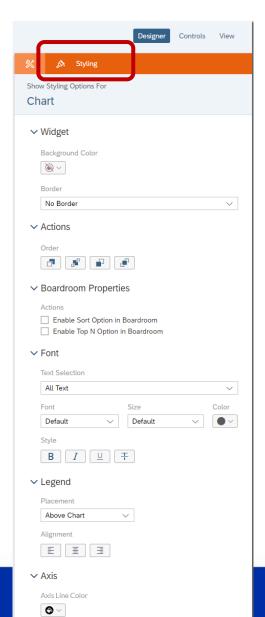




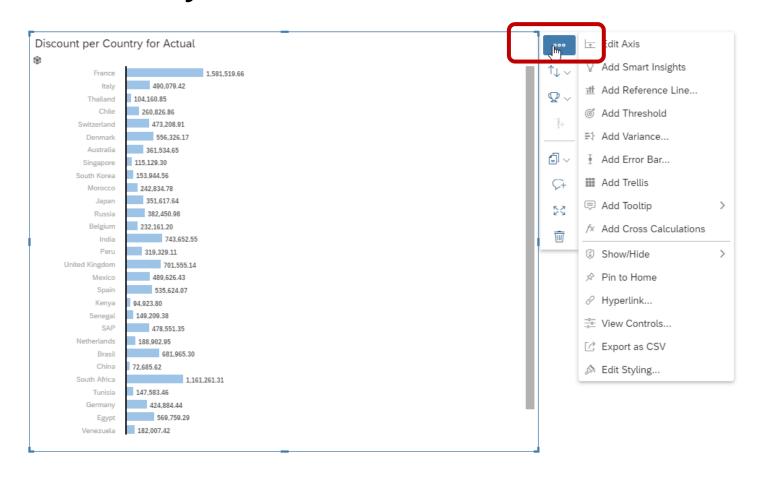
- Home menu (top left)
 - Provides access to the repository as well as the option to create stories / apps

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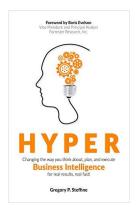
- Builder Panel
 - Chart and Table configuration on elements, like dimension / measures
- Styling Panel
 - Formatting details like font, color, ...



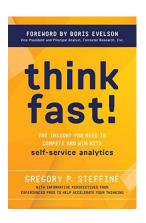
- Context menu provides access to elements like Variance, Threshold, Reference line...
- Available for Map, Chart, table

- EXERCISE 01 CREATE YOUR FIRST SAP ANALYTICS CLOUD STORY
- EXERCISE 02 LINKED ANALYSIS AND INPUT CONTROLS
- EXERCISE 03 GEO MAPS, THRESHOLDS, AND VARIANCES
- EXERCISE 04 THEMING AND STYLING
- EXERCISE 05 BOOKMARKING AND SHARING
- EXERCISE 06 AUGMENTED ANALYTICS
- EXERCISE 07 CALCULATIONS AND BLENDING
- EXERCISE 08 GEO VISUALIZATIONS
- EXERCISE 09 TIME SERIES ANALYSIS
- MODELLING EXERCISE 01 NEW MODELL
- MODELLING EXERCISE 02 LOADING DATA

Resources



Hyper: Changing the way you think about, plan, and execute business intelligence for real results, real fast!
by Gregory P. Steffine, Boris Evelson



Think Fast!: The insight you need to compete and win with self-service analytics by Gregory P. Steffine, Boris Evelson

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<u>Data Visualisation: A Handbook for Data Driven Design</u> Andy Kirk



Storytelling with Data: A Data Visualization Guide for Business Professionals

Cole Nussbaumer Knaflic



The Big Book of Dashboards: Visualizing Your Data Using Real-World Business Scenarios

Steve Wexler, Jeffrey Shaffer, Andy Cotgreave



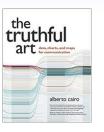
#MakeoverMonday: Improving How We Visualize and Analyze Data, One Chart at a Time

Andy Kriebel, Eva Murray



Effective Data Visualization: The Right Chart for the Right Data

Stephanie Evergreen



The Truthful Art: Data, Charts, and Maps for Communication
Alberto Cairo



Solid, outlined, hatched: How visual consistency helps better understand reports,
presentations and dashboards
by Rolf Hichert, Jürgen Faisst



sual Communication of Data

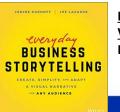
O'REILLY'

Information Dashboard Design: The Effective Visual Communication of Data

By Stephen Few



<u>DataStory: Explain Data and Inspire Action Through Story</u> By Nancy Durate



Everyday Business Storytelling: Create, Simplify, and Adapt A Visual Narrative for Any Audience By Janine Kurnoff

