

SAP Analytics Cloud for Beginner - Hands On Workshop -

Ingo Hilgefort

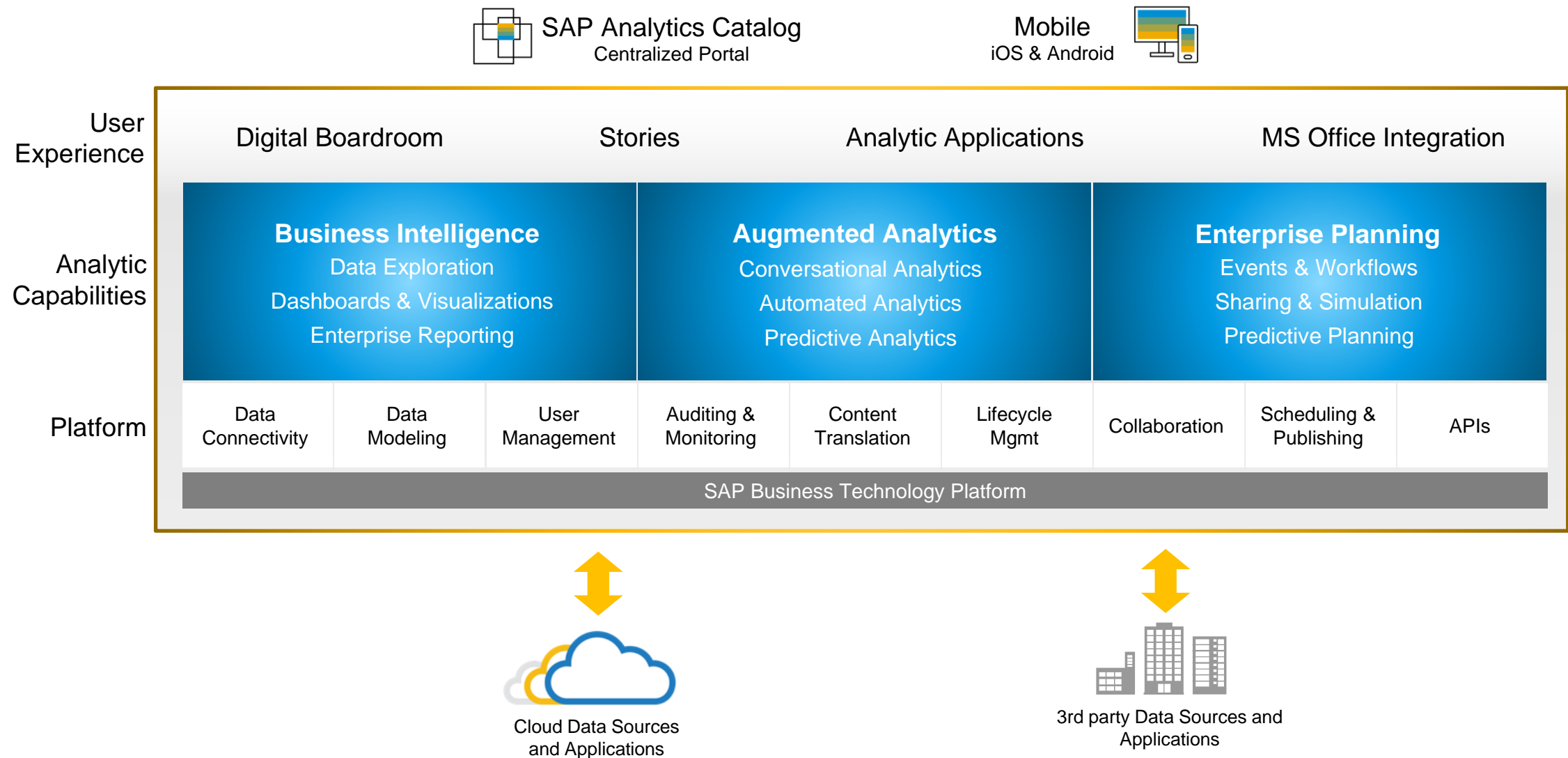
VP Business Analytics,
Rizing, a wipro company

Las Vegas

2024

SAPinsider

SAP Analytics Cloud



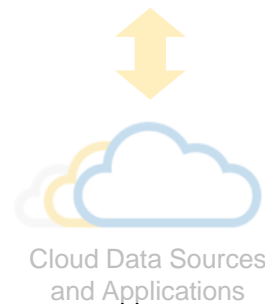
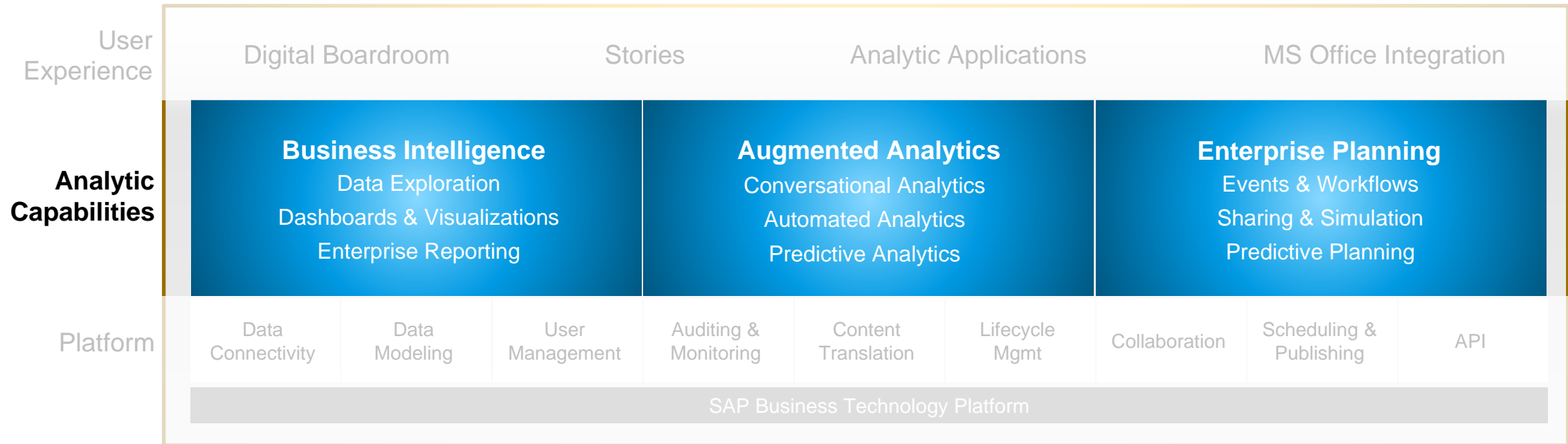
SAP Analytics Cloud

Analytic Capabilities



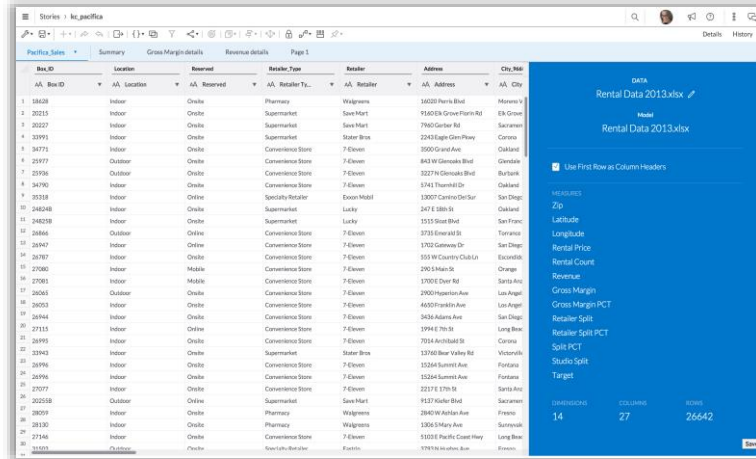
SAP Analytics Catalog
Centralized Portal

Mobile
iOS & Android



Analytics and Business Intelligence

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



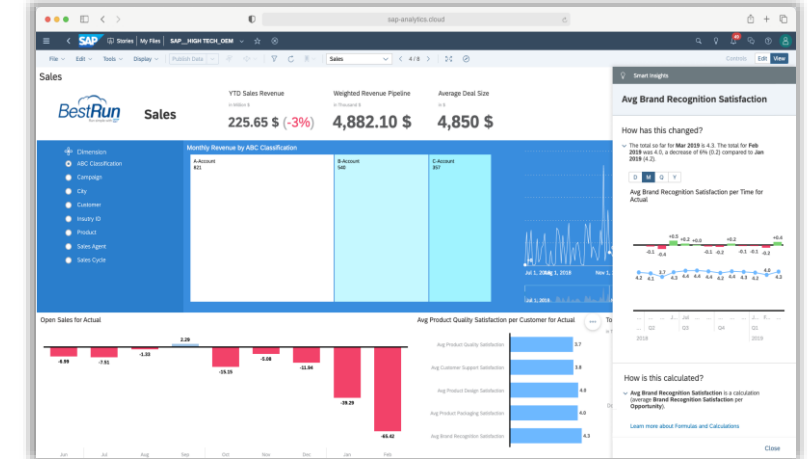
Data Modeling & Preparation

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.



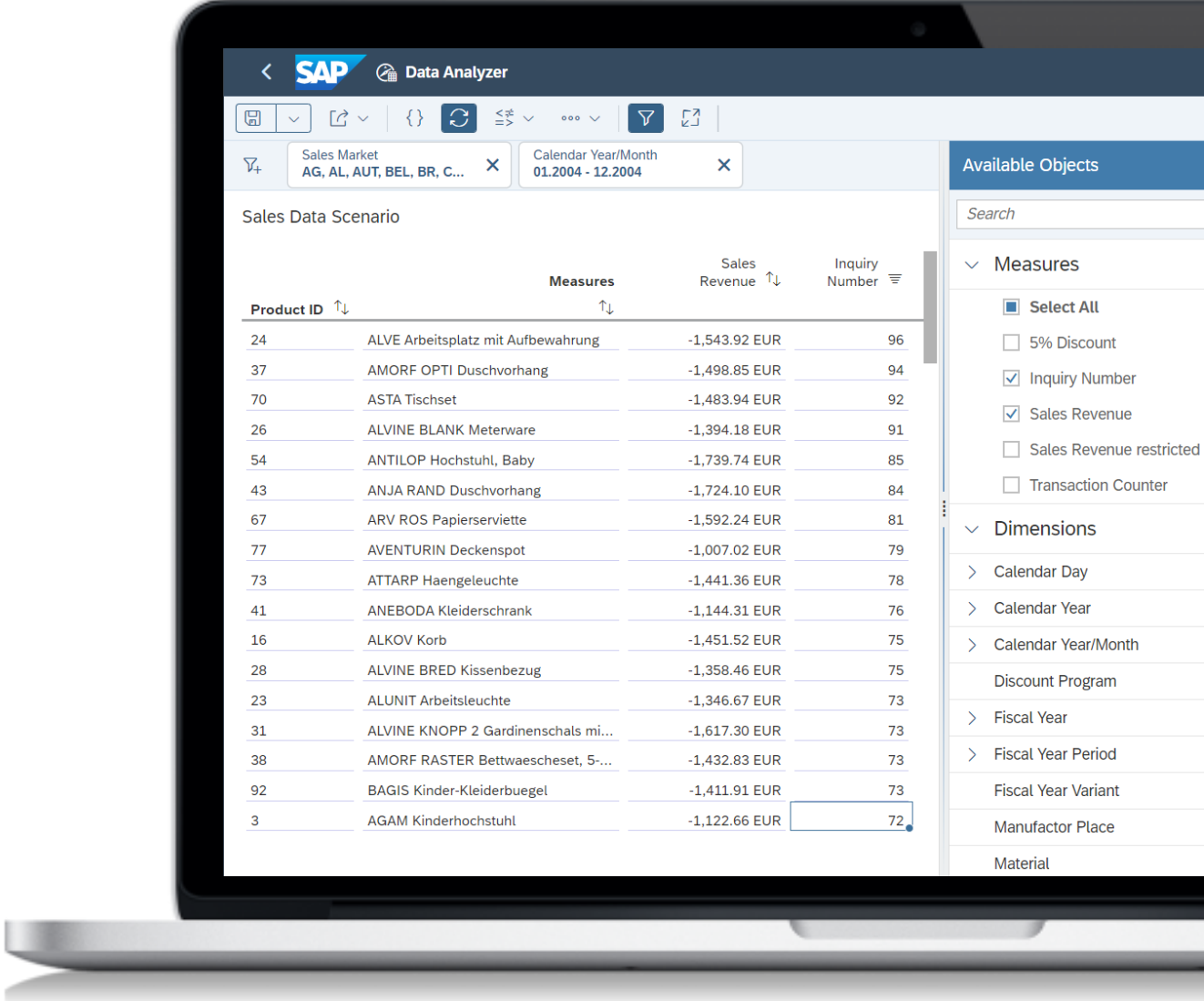
Augmented Analytics

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

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



The screenshot displays the SAP Data Analyzer web application. The interface includes a top navigation bar with the SAP logo and 'Data Analyzer' title. Below this is a toolbar with various icons for saving, refreshing, and filtering. The main content area is titled 'Sales Data Scenario' and contains a pivot table. The table has columns for 'Product ID', 'Measures', 'Sales Revenue', and 'Inquiry Number'. The 'Measures' column is expanded, showing a list of products with their corresponding sales revenue and inquiry numbers. On the right side, there is a sidebar titled 'Available Objects' which includes a search bar and a list of dimensions and measures. The 'Measures' section is expanded, showing a list of measures with checkboxes for selection. The 'Dimensions' section is also expanded, showing a list of dimensions with expandable arrows.

Product ID	Measures	Sales Revenue	Inquiry Number
24	ALVE Arbeitsplatz mit Aufbewahrung	-1,543.92 EUR	96
37	AMORF OPTI Duschvorhang	-1,498.85 EUR	94
70	ASTA Tischset	-1,483.94 EUR	92
26	ALVINE BLANK Meterware	-1,394.18 EUR	91
54	ANTILOP Hochstuhl, Baby	-1,739.74 EUR	85
43	ANJA RAND Duschvorhang	-1,724.10 EUR	84
67	ARV ROS Papierserviette	-1,592.24 EUR	81
77	AVENTURIN Deckenspot	-1,007.02 EUR	79
73	ATTARP Haengeleuchte	-1,441.36 EUR	78
41	ANEBODA Kleiderschrank	-1,144.31 EUR	76
16	ALKOV Korb	-1,451.52 EUR	75
28	ALVINE BRED Kissenbezug	-1,358.46 EUR	75
23	ALUNIT Arbeitsleuchte	-1,346.67 EUR	73
31	ALVINE KNOPP 2 Gardinenschals mi...	-1,617.30 EUR	73
38	AMORF RASTER Bettwaescheset, 5-...	-1,432.83 EUR	73
92	BAGIS Kinder-Kleiderbuegel	-1,411.91 EUR	73
3	AGAM Kinderhochstuhl	-1,122.66 EUR	72

Dashboards & Visualizations

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

- Extensive visualization library, geo maps
- Custom calculations, calculated dimensions, aggregations and more
- Easily comment, collaborate and share content
- Highly Interactive with Linked Analysis, Ranking and Sorting, Filtering and Drill Functionality.



Enterprise Reporting

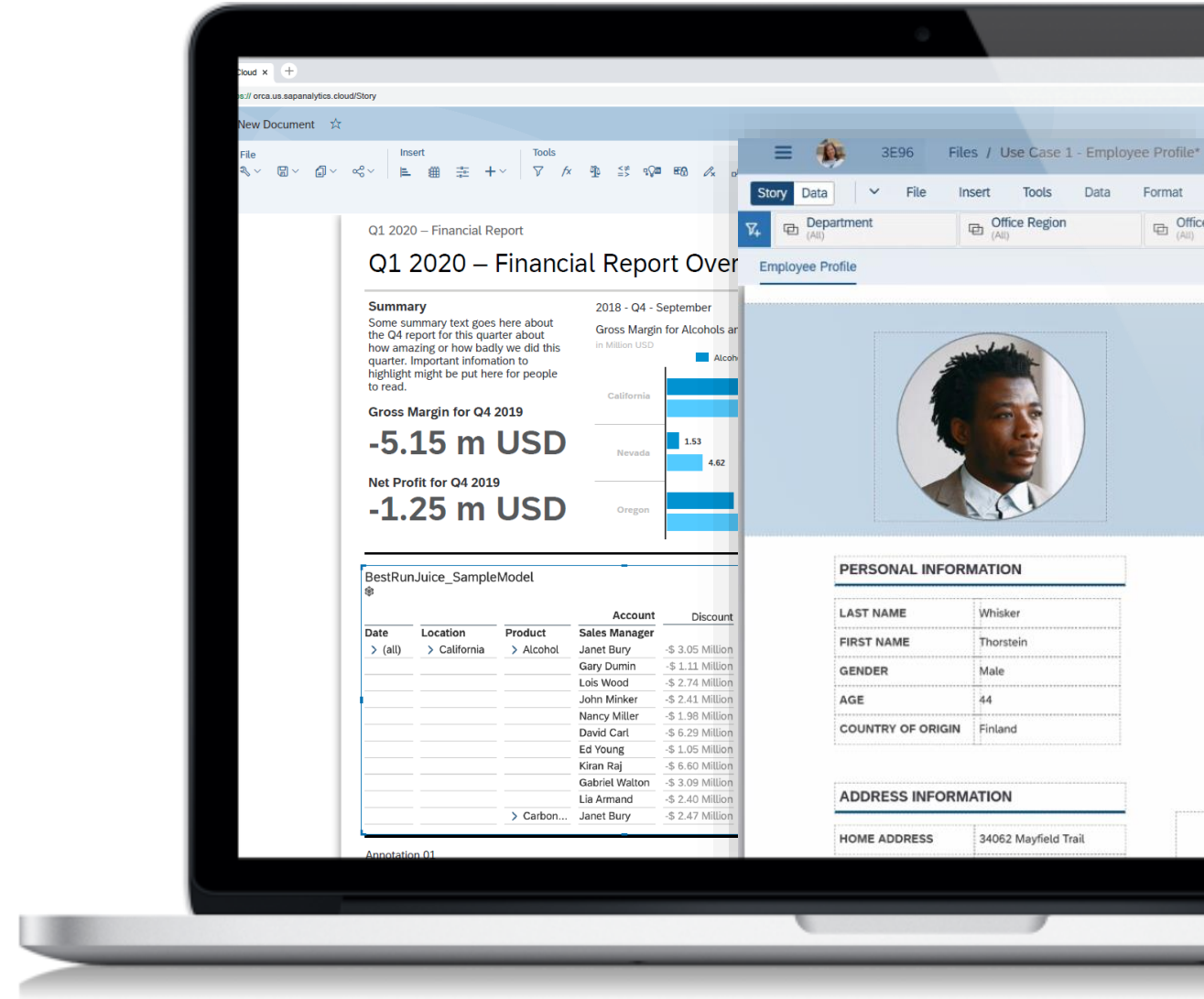
Design reports and distribute to the workforce on-demand or scheduled

Report Formatting

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

Report Delivery

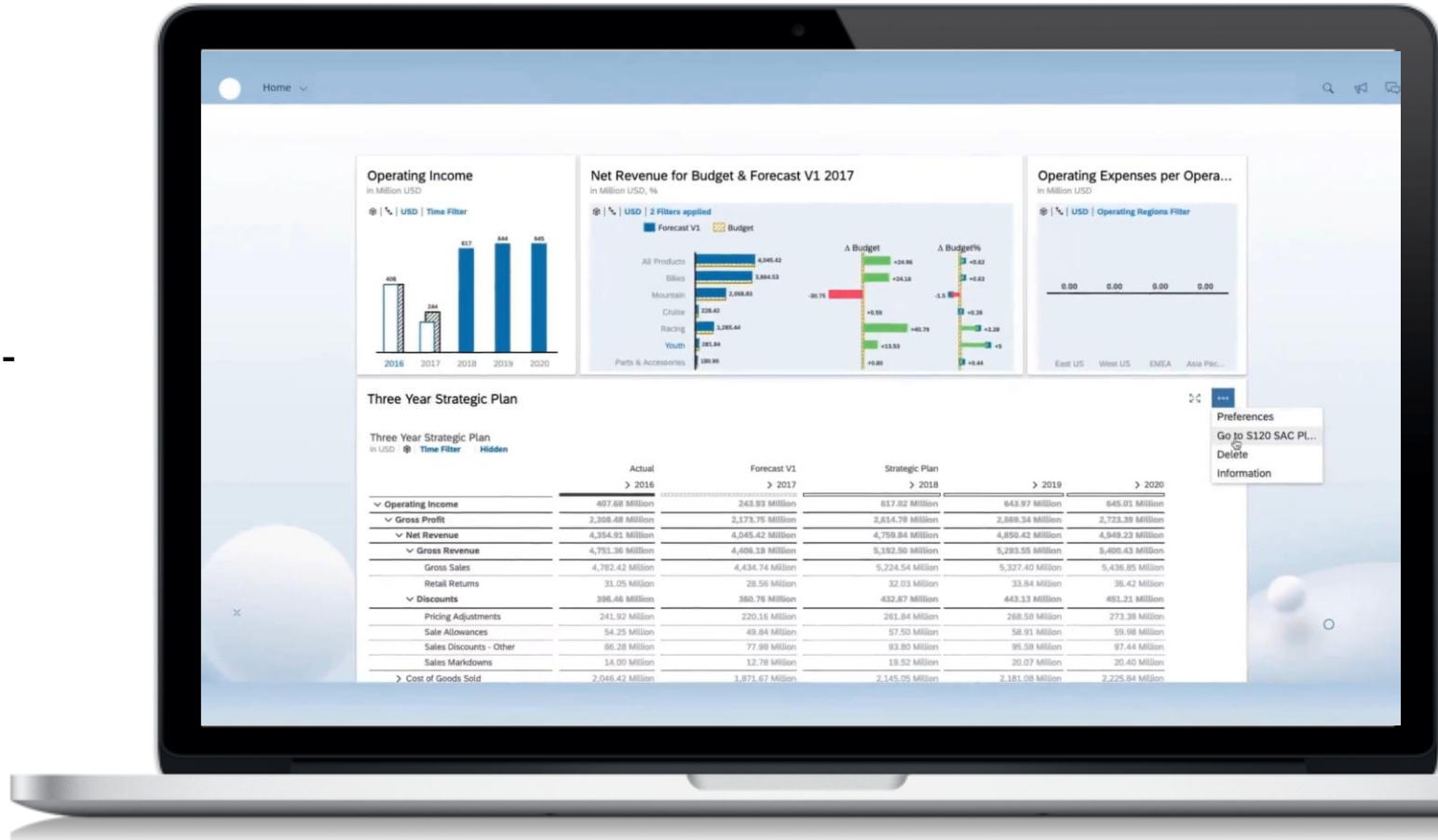
- Schedule and distribute reports to SAP Analytics Cloud and non-SAP Analytics Cloud recipients
- Burst personalized content to SAP Analytics Cloud recipients based on recipient authorization



What-If Analysis

Simulate “what-if” scenarios to test possible outcomes

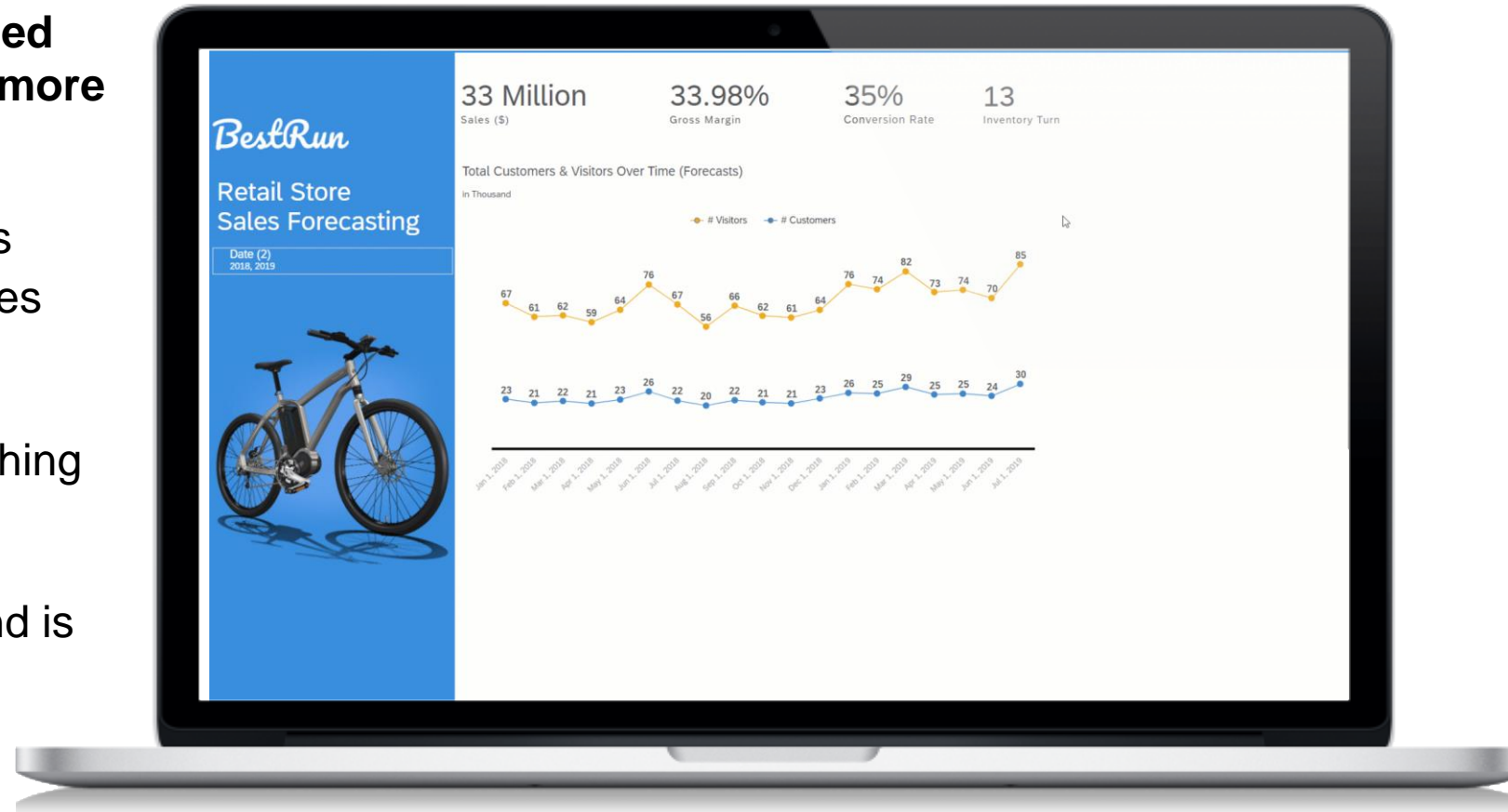
- Perform what-if visually with value driver trees and tables
- Perform top-down bottom and bottom-up simulations
- Answer questions like:
 - What if you increase discount by 20%?
 - What if you hire more staff?
 - What if costs of goods increased?²



Time Series Forecasting

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

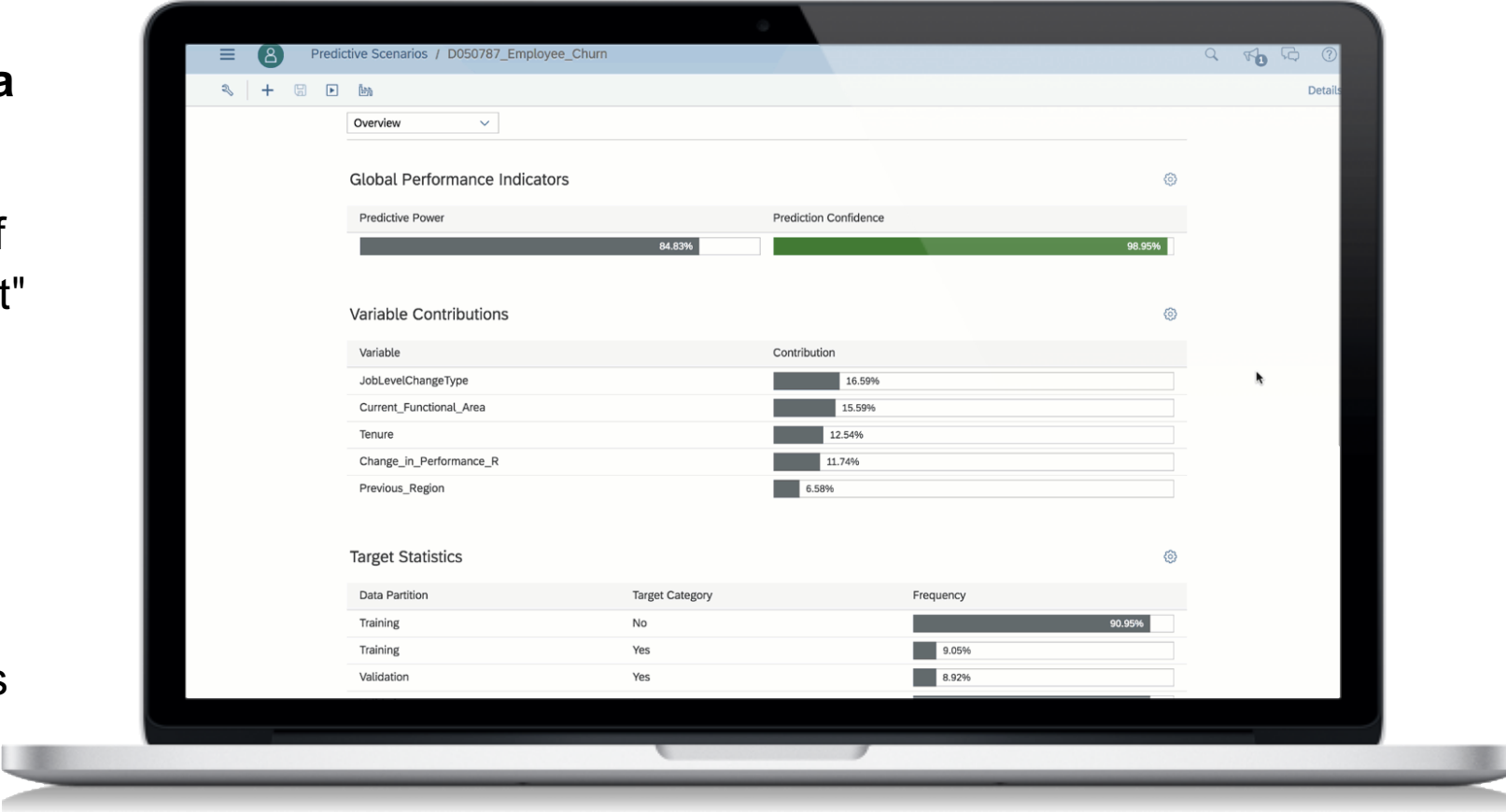
- Automatic forecasting on time series charts, line charts and planning tables
- Apply advanced options like linear regression, triple exponential smoothing and include additional inputs
- Forecast quality based on MAPE and is displayed as 0-5 rating



Smart Predict

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

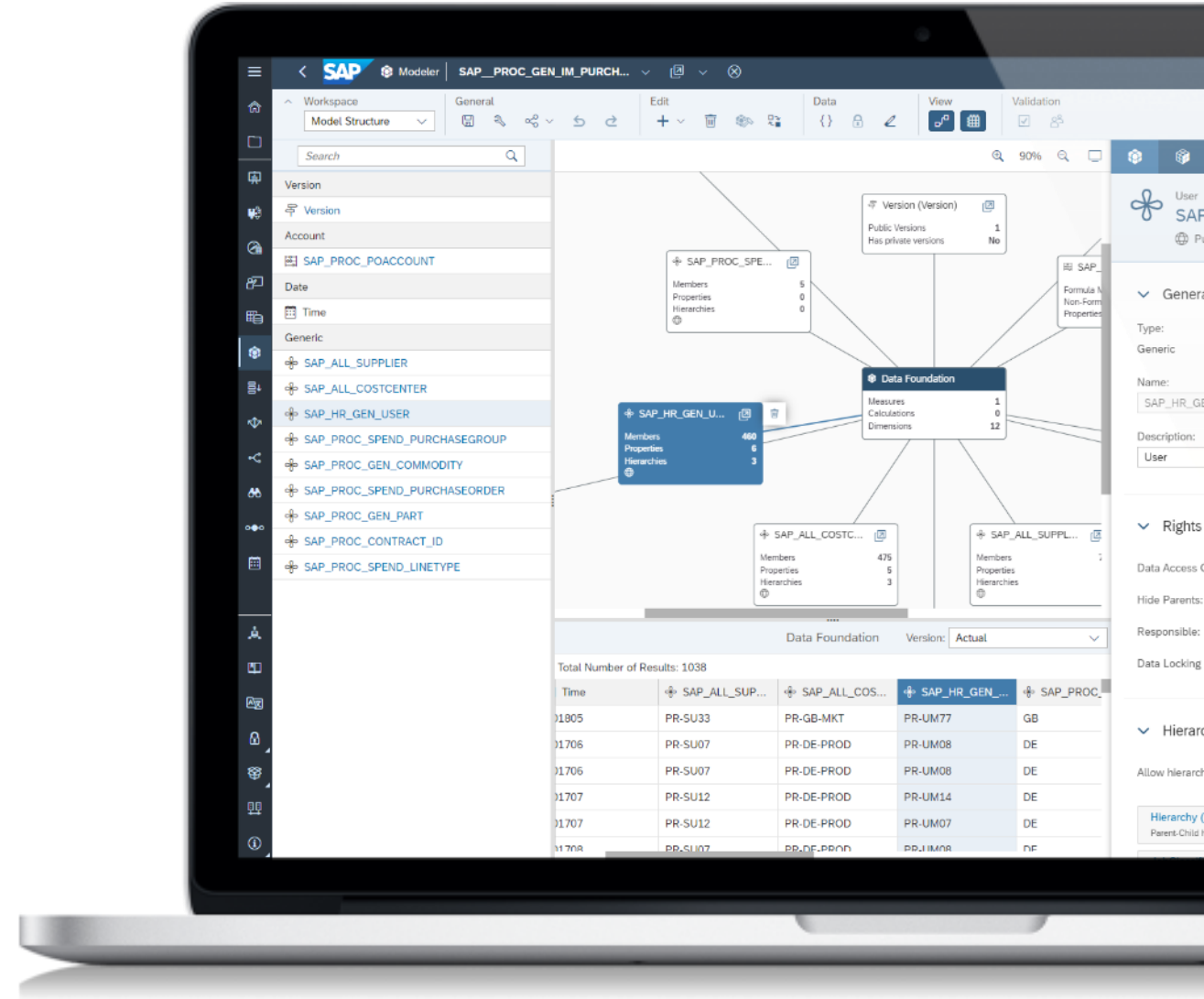
- Classification: "Create a sorted list of prospects to focus on for this product"
- Regression: "Give me revenue estimates for each customer for the next 6 months"
- Time Series: "Forecast revenue for each product and each point of sales daily for the next 30 days"



Data Modeling

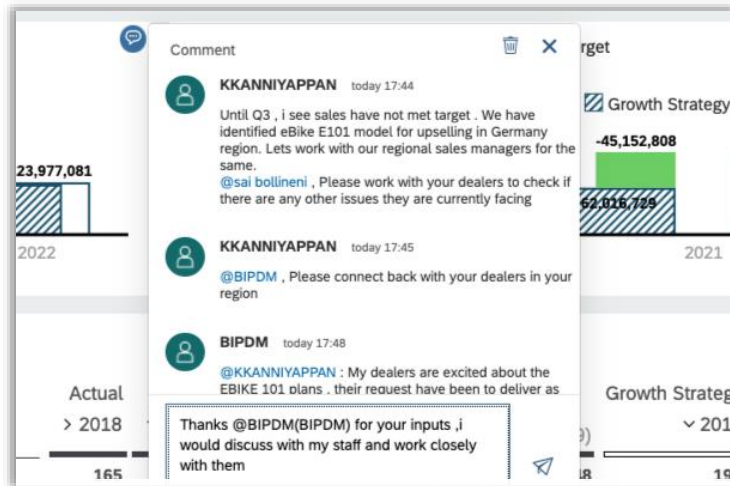
Model your imported data and define dimensions, measures, hierarchies and more, in preparation for analysis and planning

- Define your measures and dimensions, hierarchies, setting units and currencies, and formulas
- Enable Model Data Privacy to define row and column level data security
- View related objects where model is in use, such as planning work flows, stories and applications



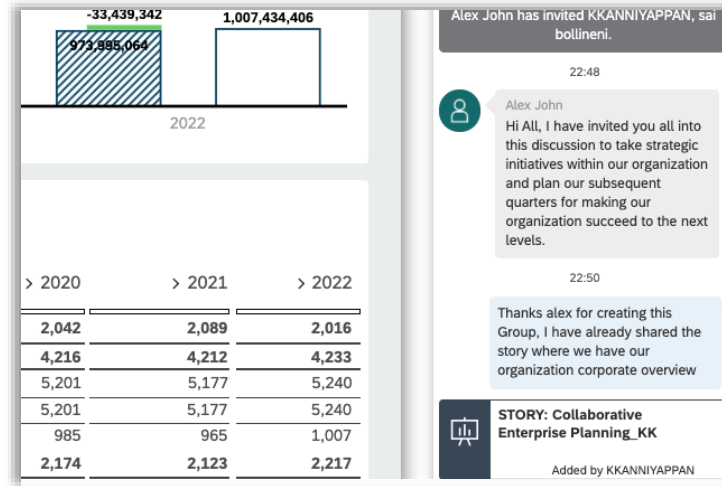
Collaboration

Increase engagement, and accountability with built in collaboration capabilities



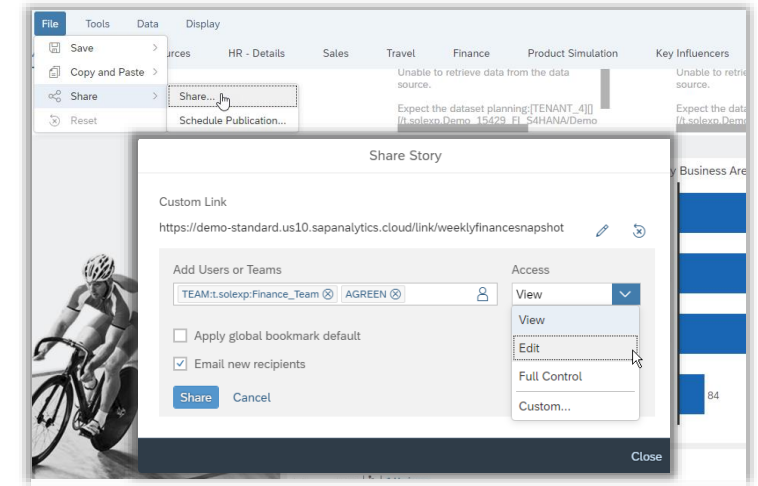
Commenting

Comment on stories, applications and event specific data point table cells. Like, reply, address other users as @UserName



Discussions

Start discussions on your analytics to collaborate with other SAP Analytics Cloud users and teams, on the desktop or on your mobile device.

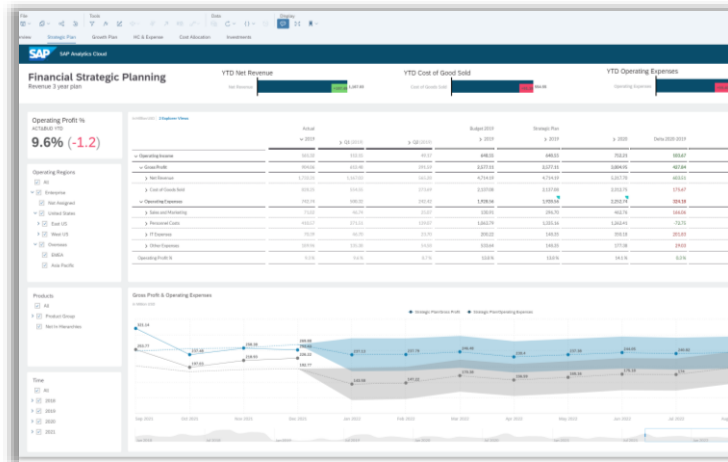


Sharing

Easily share private or public stories and bookmarks to any SAP Analytics Cloud user or team via a customized link.

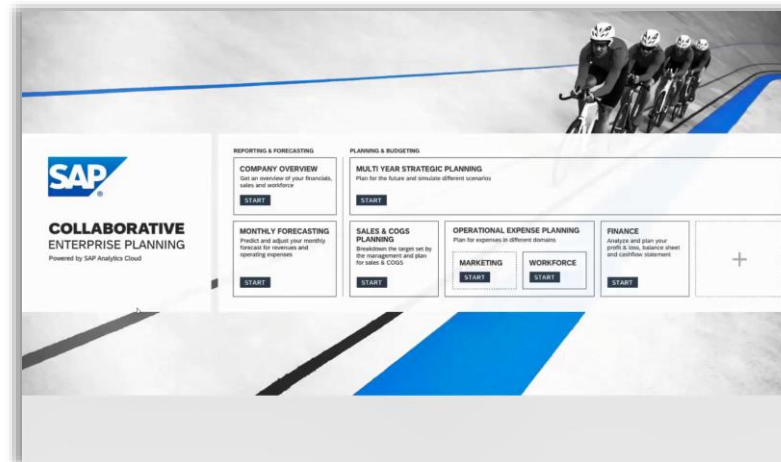
Enterprise Planning

Analyze, predict and plan in one application to reduce errors and increase organizational agility



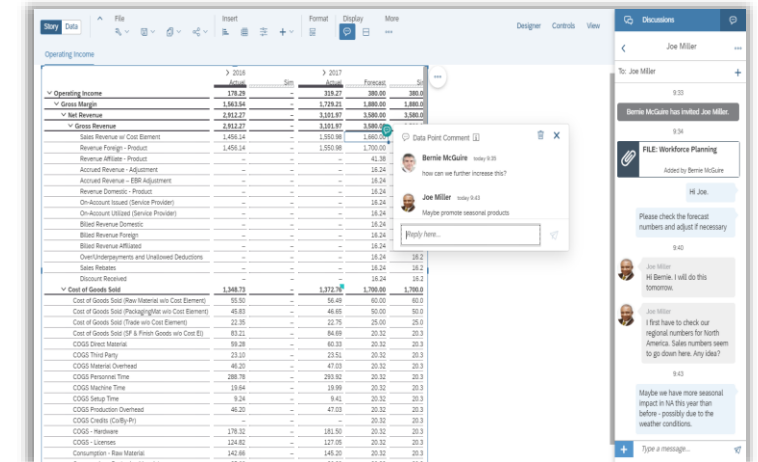
Budgeting and forecasting

Create and modify versions of a planning model for data-driven budgeting, forecasting, and analysis from one cloud interface



Predictive planning

Automate data-driven enterprise planning and accelerate planning cycles with time series forecasting thanks to a tight integration between Smart Predict and Planning



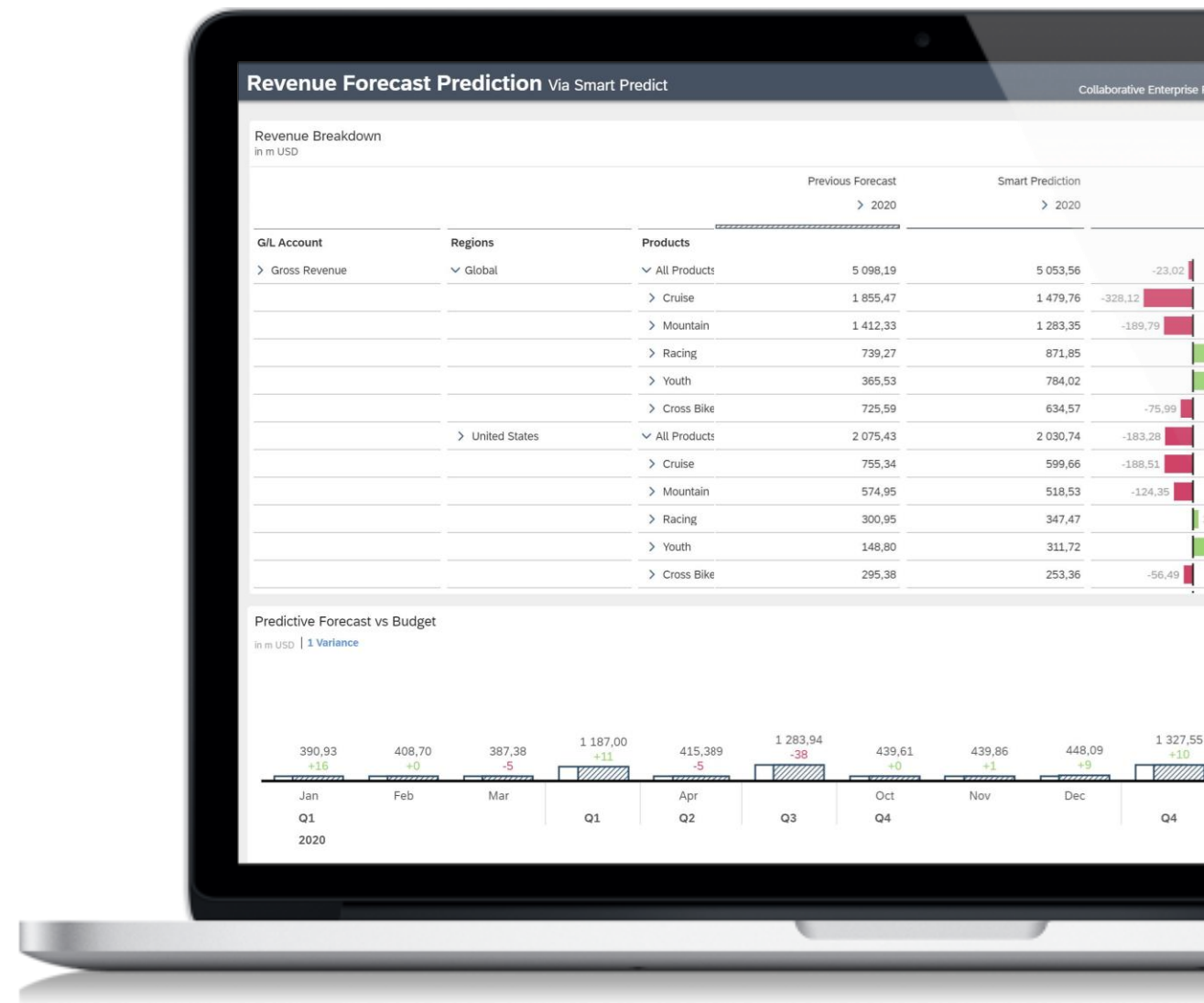
Collaborative planning

Plan across all lines of business to turn real-time insight into action, ensure strategic alignment, and decide confidently.

Predictive Planning

Combine the power of planning and predictive forecasting to accelerate planning cycles

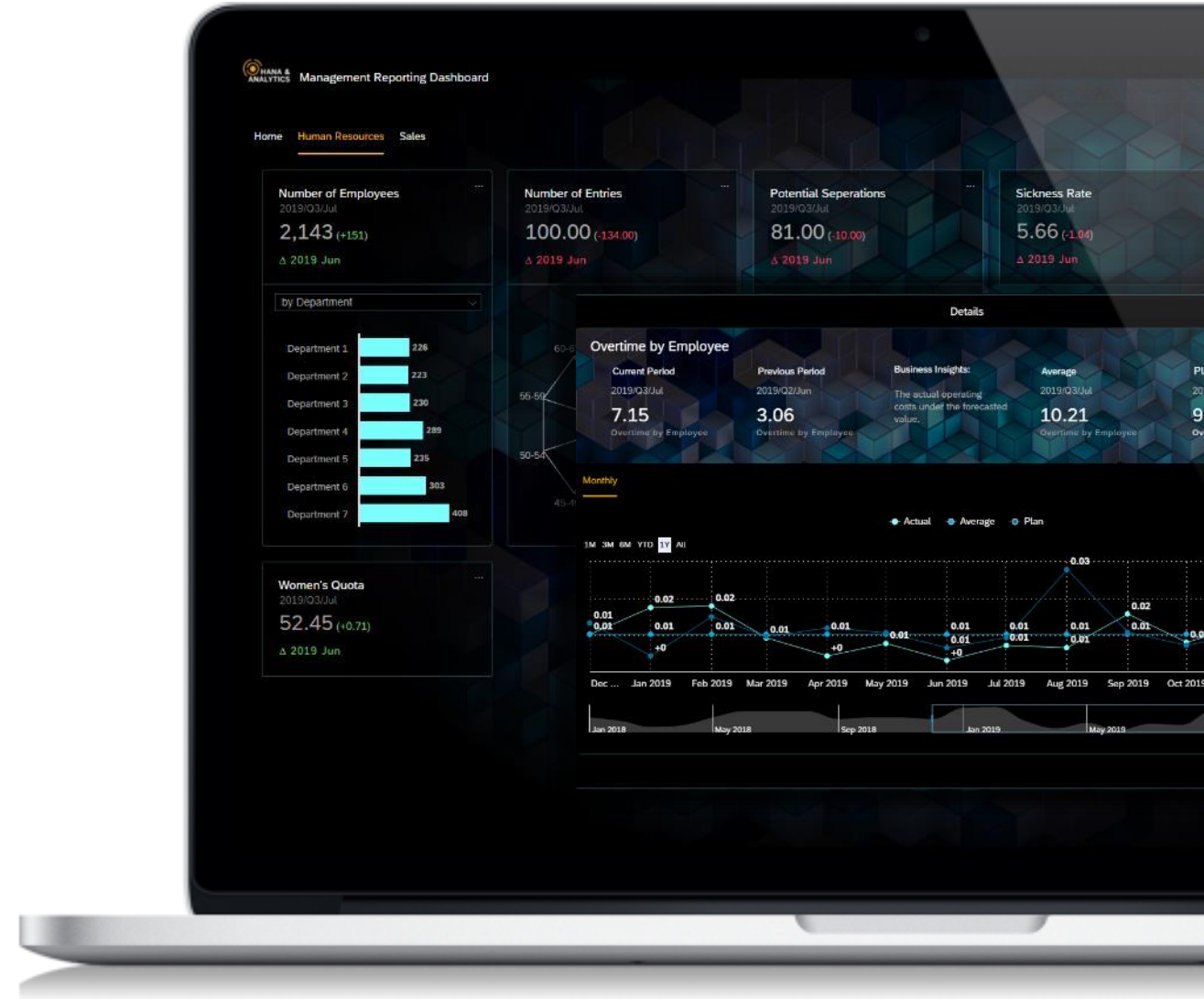
- Planners generate accurate forecasts on top of actuals to accelerate their day-to-day planning activities
- Add predictive forecasts back to planning models to support data-driven business decisions
- All without the need for machine learning expertise



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

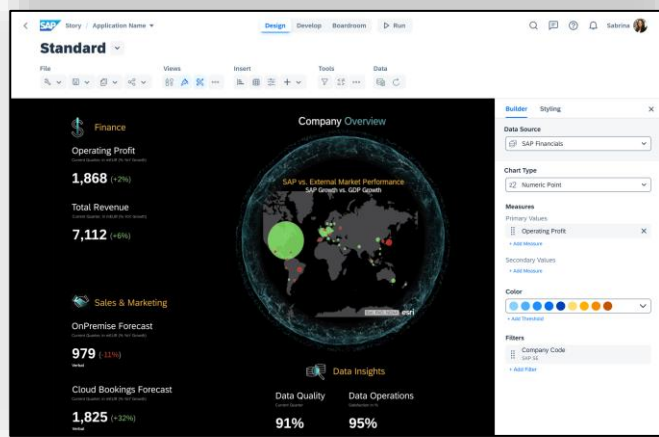
- Design formatted reports in Excel
- Created formatted reports on analytic and planning acquired data models
- Plan, simulate and write back to planning models
- Collaborate with colleagues online, on desktop, Windows or Mac

The screenshot shows the SAP Analytics Cloud add-in interface within Microsoft Excel. The top ribbon includes buttons for Login, Add Table, Refresh, Publish Data, Revert Data, Builder, and About. Below the ribbon, a table displays financial data for 'SAP Analytics Cloud, add-in for Microsoft Office'. The table has columns for Time, Version, Budget, Actual, Forecast, and various financial metrics. The data is organized by Product (Apparel, Athletic Shirts, Athletic Shorts, Caps) and Entity (United States, East US, West US, Midwest, Pacific, Overseas). A right-hand pane shows the 'SAP Analytics Cloud' model, 'Operating Income Plan', and a 'Rows' section with a dropdown menu for 'PRODUCT' and 'ENTITY'. The 'Columns' section shows 'Time' and 'Version'. A 'Filter' section is also visible.

Time	Version	Budget	Actual	Forecast	Budget	Actual	Forecast	Bud
Type	private	public	public	public	private	public	public	priv
PRODUCT	ENTITY							
Apparel	United States	\$530,168,730.54	\$507,608,120.16	\$3,373,915,380.68	\$22,560,610.38		\$1,184,470,228.72	\$50
	East US	\$305,188,387.16	\$288,476,768.39	\$2,501,030,804.70	\$16,711,618.77		\$877,895,799.41	\$28
	West US	\$224,980,343.39	\$219,131,351.77	\$872,884,575.99	\$5,848,991.61		\$306,574,429.31	\$21
	Midwest	\$10,209,125.82	\$9,923,611.59	\$42,888,838.44	\$285,514.23		\$15,465,885.25	\$
	Pacific	\$214,771,217.57	\$209,207,740.18	\$829,995,737.55	\$5,563,477.39		\$291,108,544.06	\$20
	Overseas	\$150,636,596.53	\$146,583,727.58	\$668,713,785.98	\$4,052,868.96		\$217,732,141.57	\$14
	Totals	\$680,805,327.07	\$654,191,847.74	\$4,042,629,166.66	\$26,613,479.34		\$1,402,202,370.29	\$65
Athletic Shirts	United States	\$13,691,298.98	\$13,354,170.20	\$57,247,247.34	\$337,128.78		\$16,425,401.84	\$1
	Overseas	\$2,985,872.92	\$2,908,176.26	\$27,333,702.23	\$77,696.66		\$3,773,438.41	\$
	Totals	\$16,677,171.90	\$16,262,346.46	\$84,580,949.57	\$414,825.44		\$20,198,840.25	\$1
Athletic Shorts	United States	\$366,730,021.98	\$347,652,987.71	\$2,726,031,112.97	\$19,077,034.27		\$993,920,863.66	\$34
	Overseas	\$104,054,278.48	\$100,645,555.39	\$529,148,804.97	\$3,408,723.09		\$181,951,760.38	\$10
	Totals	\$470,784,300.46	\$448,298,543.09	\$3,255,179,917.94	\$22,485,757.37		\$1,175,872,624.04	\$44
Caps	United States	\$149,747,409.59	\$146,600,962.25	\$590,637,020.37	\$3,146,447.33		\$174,123,963.22	\$14

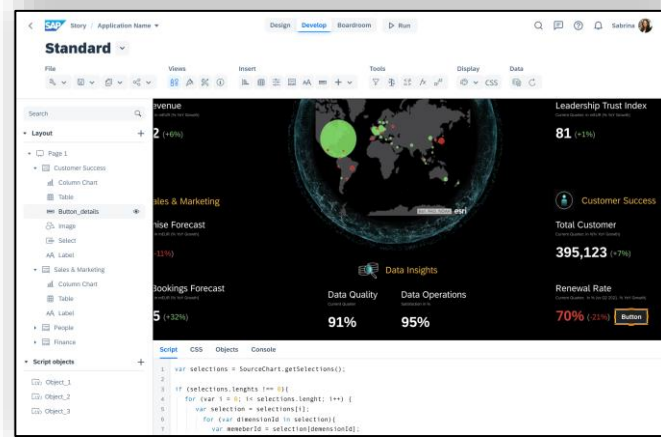
One Tool For All - Story, Analytics Designer & Digital Boardroom

Simplicity, Consistency and Extensibility



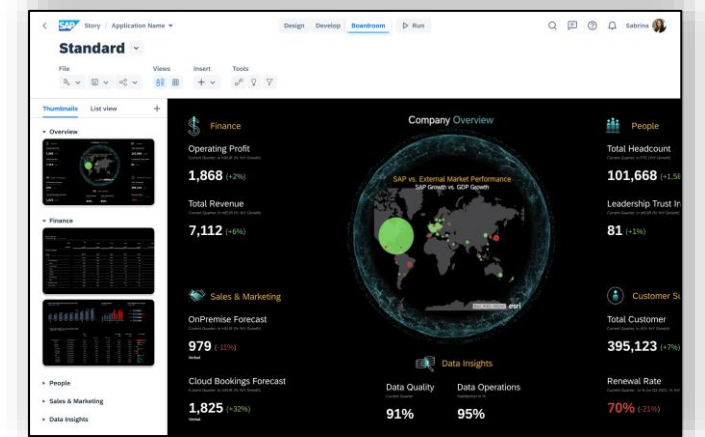
DESIGN

- Simple mode
- Define the layout
- Add data visualizations



DEVELOP

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



BOARDROOM

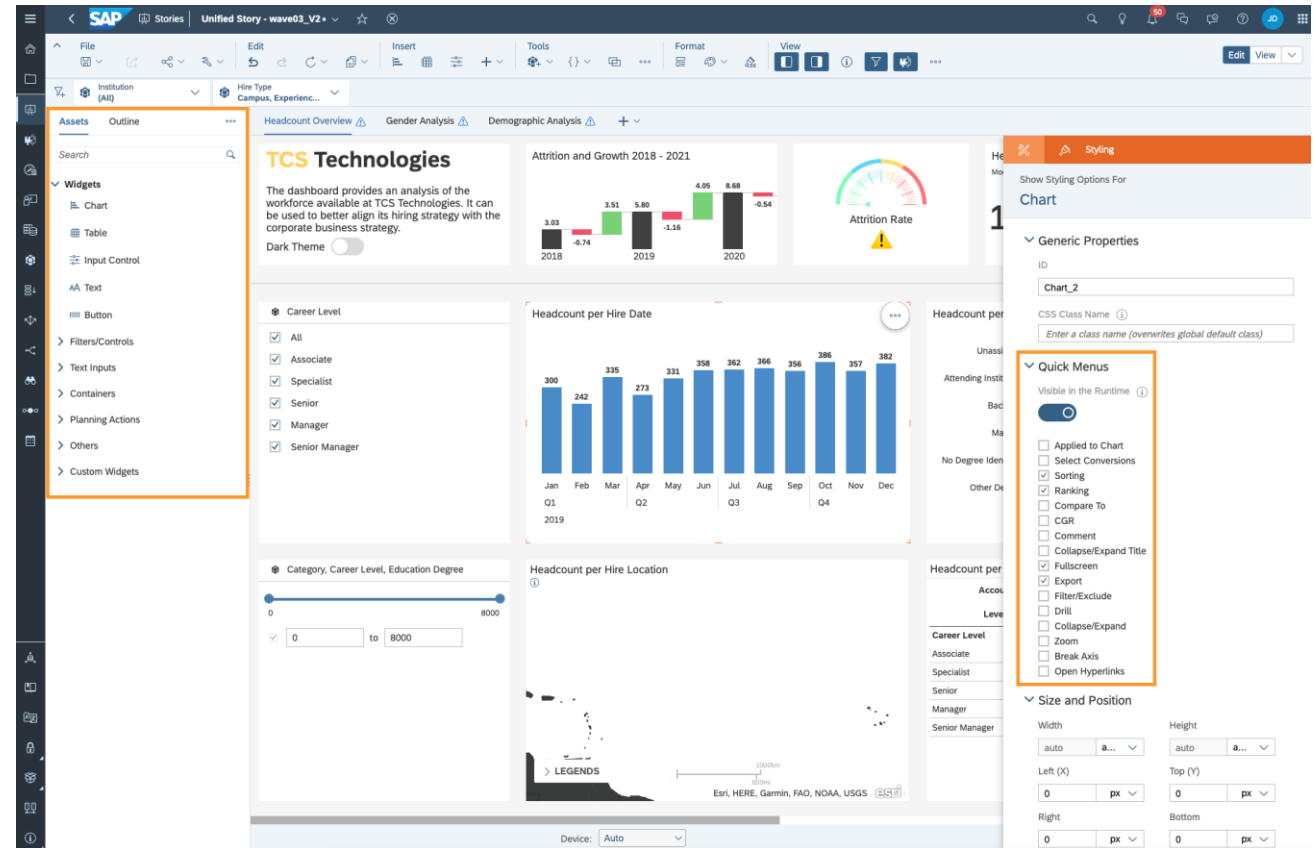
- Build your presentation
- Add pages from stories
- Define navigation paths

“Story 2.0” – Feature Highlight

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



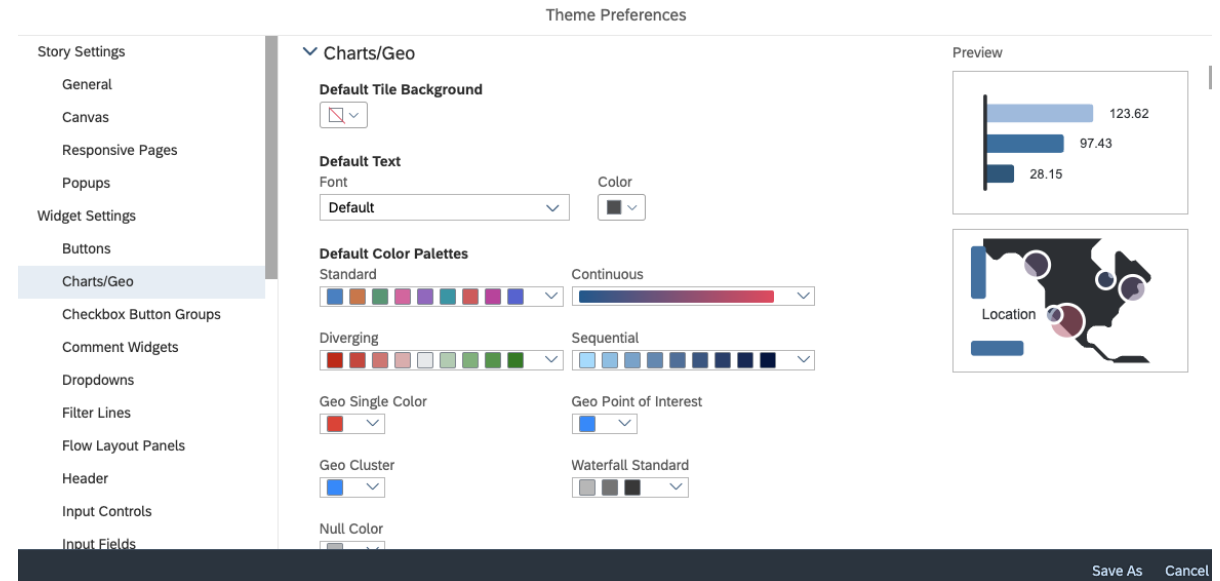
“Story 2.0” – Feature Highlight

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.

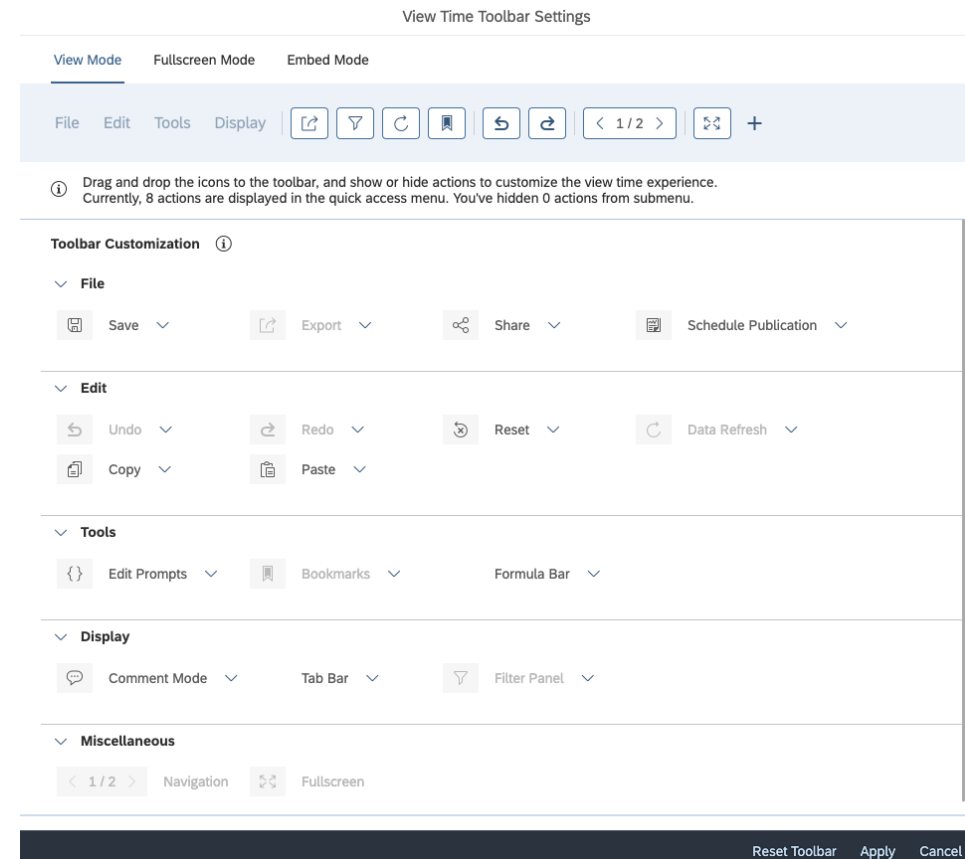


“Story 2.0” – Feature Highlight

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 toolbar 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.



“Story 2.0” – Feature Highlight

Integration with Data Analyzer

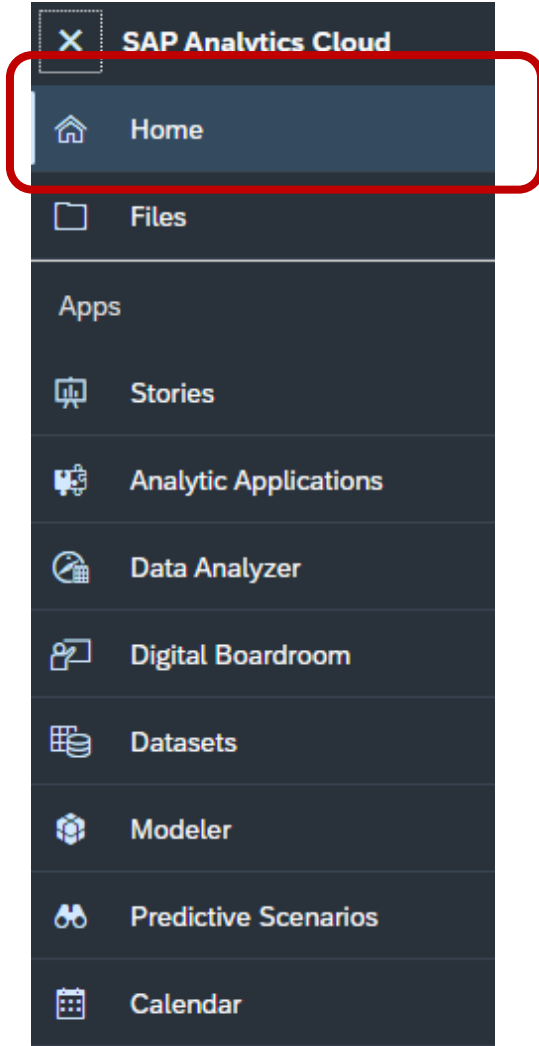
Here story viewers can jump to Data Analyzer from a story table for further data exploration purpose and the entire table state (like filter, drill down etc.) can be completely taken over.

Headcount per Age and Career Level					
Account	Headcount				
	Level 1	19-29	30-39	40-49	60+
Career Level					
Associate		656	85	–	–
Specialist		784	862	368	176
Senior		925	1,598	1,512	1,221
Manager		246	468	428	440
Senior Manager		16	31	60	39

SAP Analytics Cloud

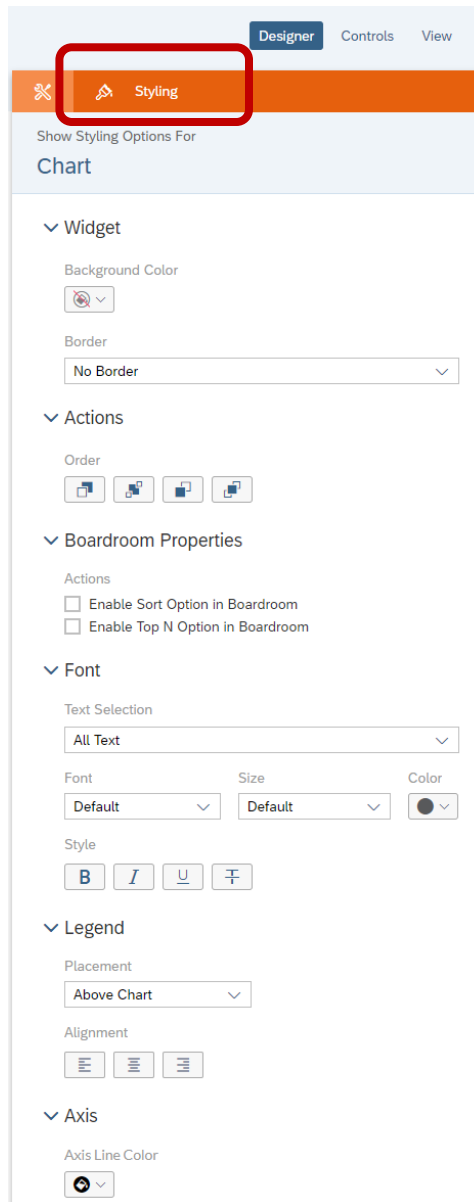
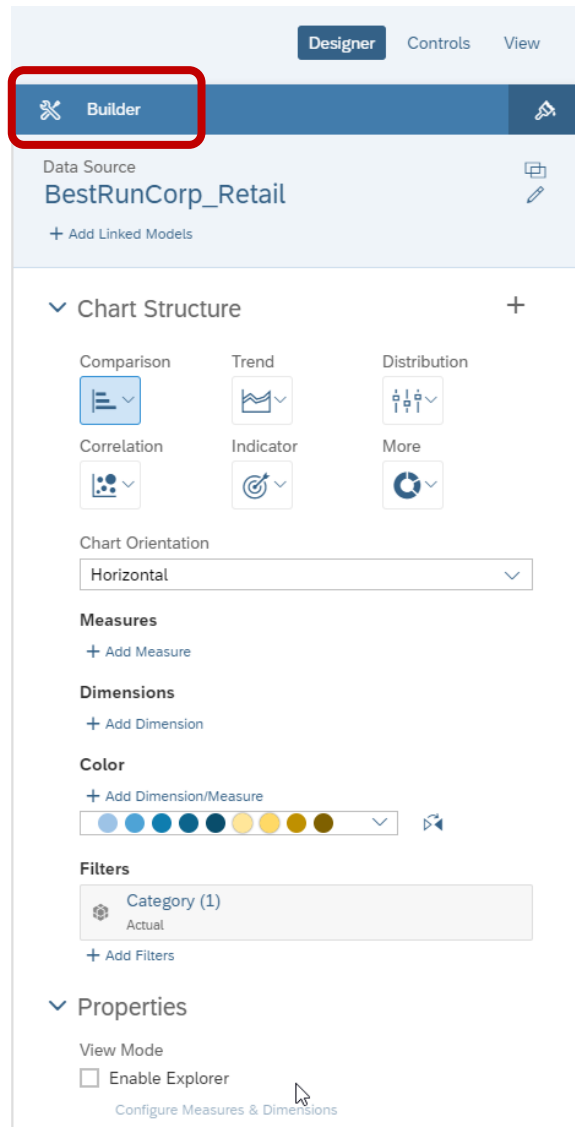
Exercises

SAP Analytics Cloud – Exercise Details



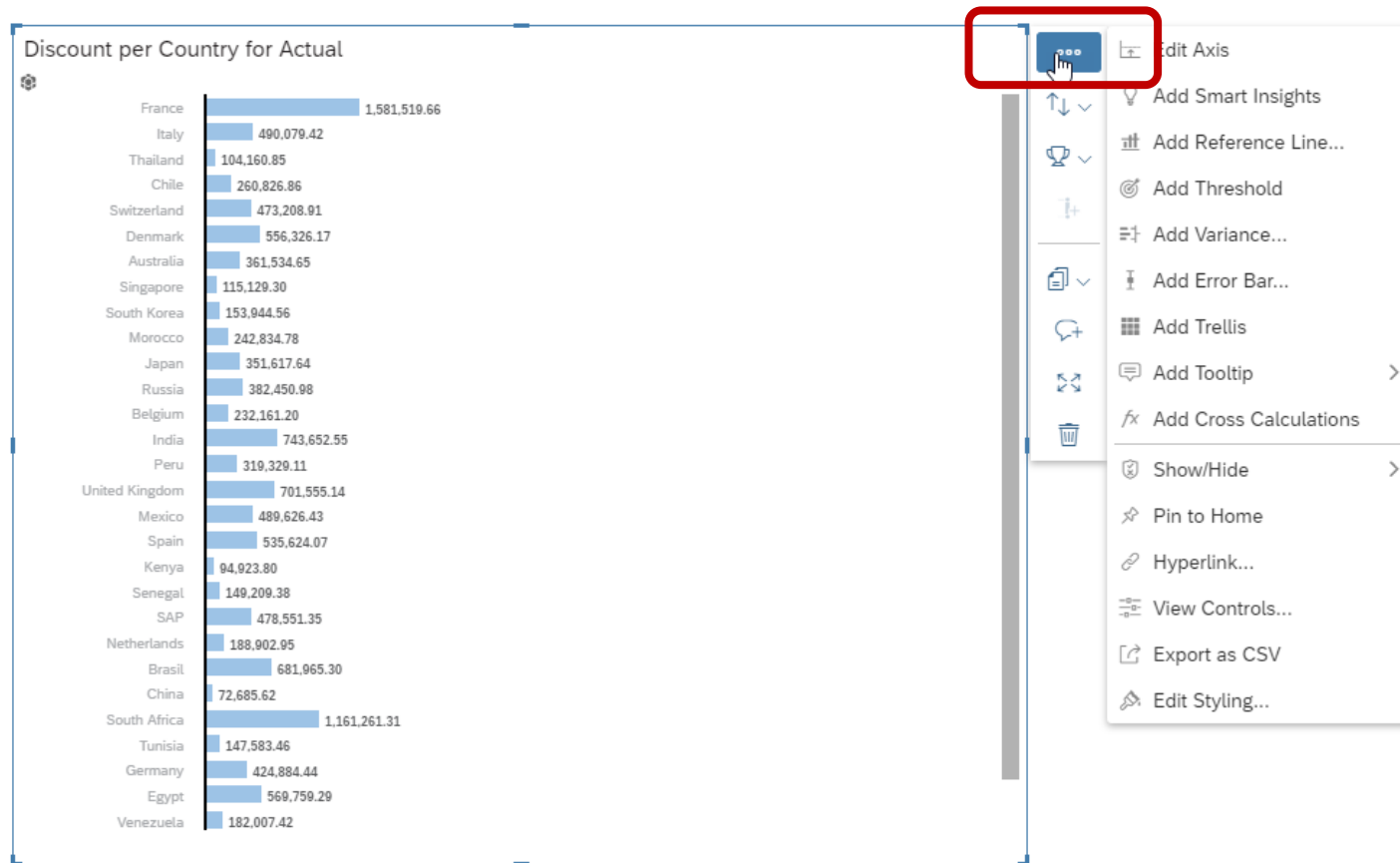
- Home menu (top left)
 - Provides access to the repository as well as the option to create stories / apps

SAP Analytics Cloud – Exercise Details



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

SAP Analytics Cloud – Exercise Details

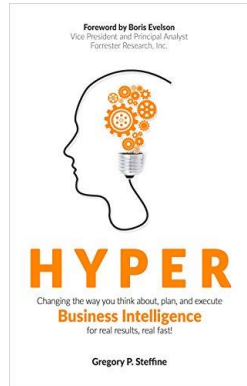


- Context menu provides access to elements like Variance, Threshold, Reference line...
- Available for Map, Chart, table

SAP Analytics Cloud – Exercise Details

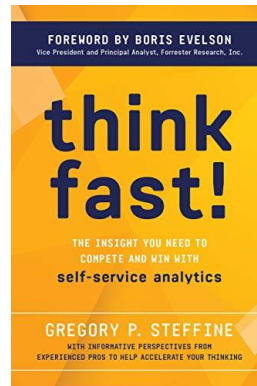
- EXERCISE 01 – CREATE YOUR FIRST SAP ANALYTICS CLOUD STORY
- EXERCISE 02 – LINKED ANALYSIS AND INPUT CONTROLS
- EXERCISE 03 – GEO MAPS, THRESHOLDS, AND VARIANCES
- EXERCISE 04 – THEMING AND STYLING
- EXERCISE 05 – BOOKMARKING AND SHARING
- EXERCISE 06 – AUGMENTED ANALYTICS
- EXERCISE 07 – CALCULATIONS 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!

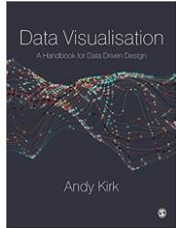
by Gregory P. Steffine, Boris Evelson



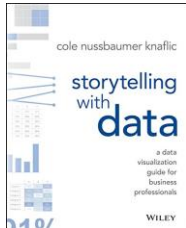
Think Fast!: The insight you need to compete and win with self-service analytics

by Gregory P. Steffine, Boris Evelson

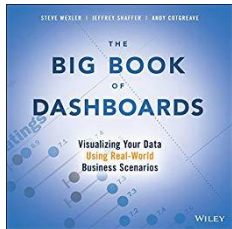
Resources



[Data Visualisation: A Handbook for Data Driven Design](#)
Andy Kirk



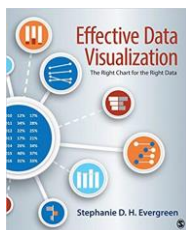
[Storytelling with Data: A Data Visualization Guide for Business Professionals](#)
Cole Nussbaumer Knaflic



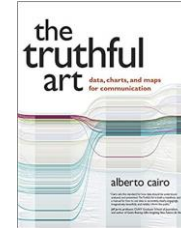
[The Big Book of Dashboards: Visualizing Your Data Using Real-World Business Scenarios](#)
Steve Wexler, Jeffrey Shaffer, Andy Cotgreave



[#MakeoverMonday: Improving How We Visualize and Analyze Data, One Chart at a Time](#)
Andy Kriebel, Eva Murray



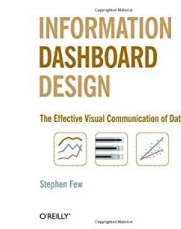
[Effective Data Visualization: The Right Chart for the Right Data](#)
Stephanie Evergreen



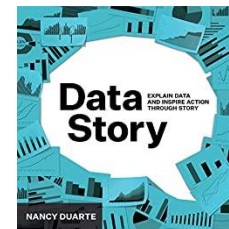
[The Truthful Art: Data, Charts, and Maps for Communication](#)
Alberto Cairo



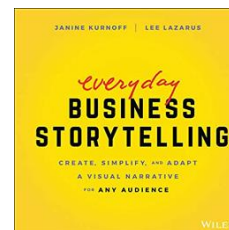
[Solid, outlined, hatched: How visual consistency helps better understand reports, presentations and dashboards](#)
by Rolf Hichert , Jürgen Faisst



[Information Dashboard Design: The Effective Visual Communication of Data](#)
By Stephen Few



[DataStory: Explain Data and Inspire Action Through Story](#)
By Nancy Duarte



[Everyday Business Storytelling: Create, Simplify, and Adapt A Visual Narrative for Any Audience](#)
By Janine Kurnoff

Thank you! Any Questions?

Ingo Hilgefort

VP Business Analytics

Rizing, a wipro company

eMail : Ingo.Hilgefort@rizing.com

LinkedIn : www.linkedin.com/in/ingohilgefort

Please remember to complete
your session evaluation.

SAPinsider



SAPinsider.org

PO Box 982Hampstead, NH 03841
Copyright © 2024 Wellesley Information Services.
All rights reserved.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. Wellesley Information Services is neither owned nor controlled by SAP SE.

**SAPinsider
comprises the
largest and fastest
growing SAP
membership group
with more than
800,000 members
worldwide.**
