

# Staattisesta raportoinnista reaaliaikaiseen ennakoivaan analytiikkaan ja suunnitteluun – Tiedon hyödyntäminen valtionhallinnossa

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PUBLIC

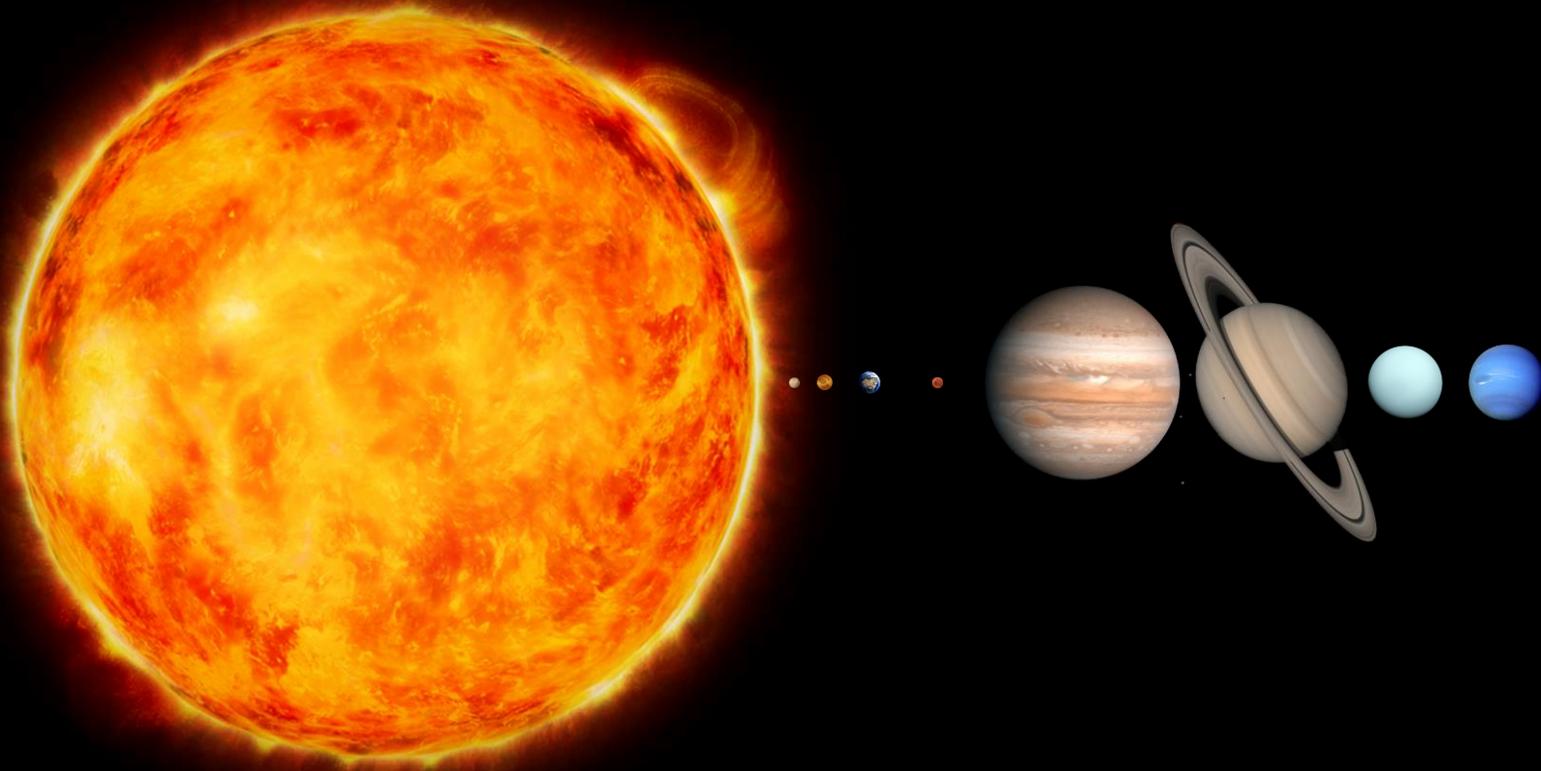
THE BEST RUN 

# The Global Data Sphere



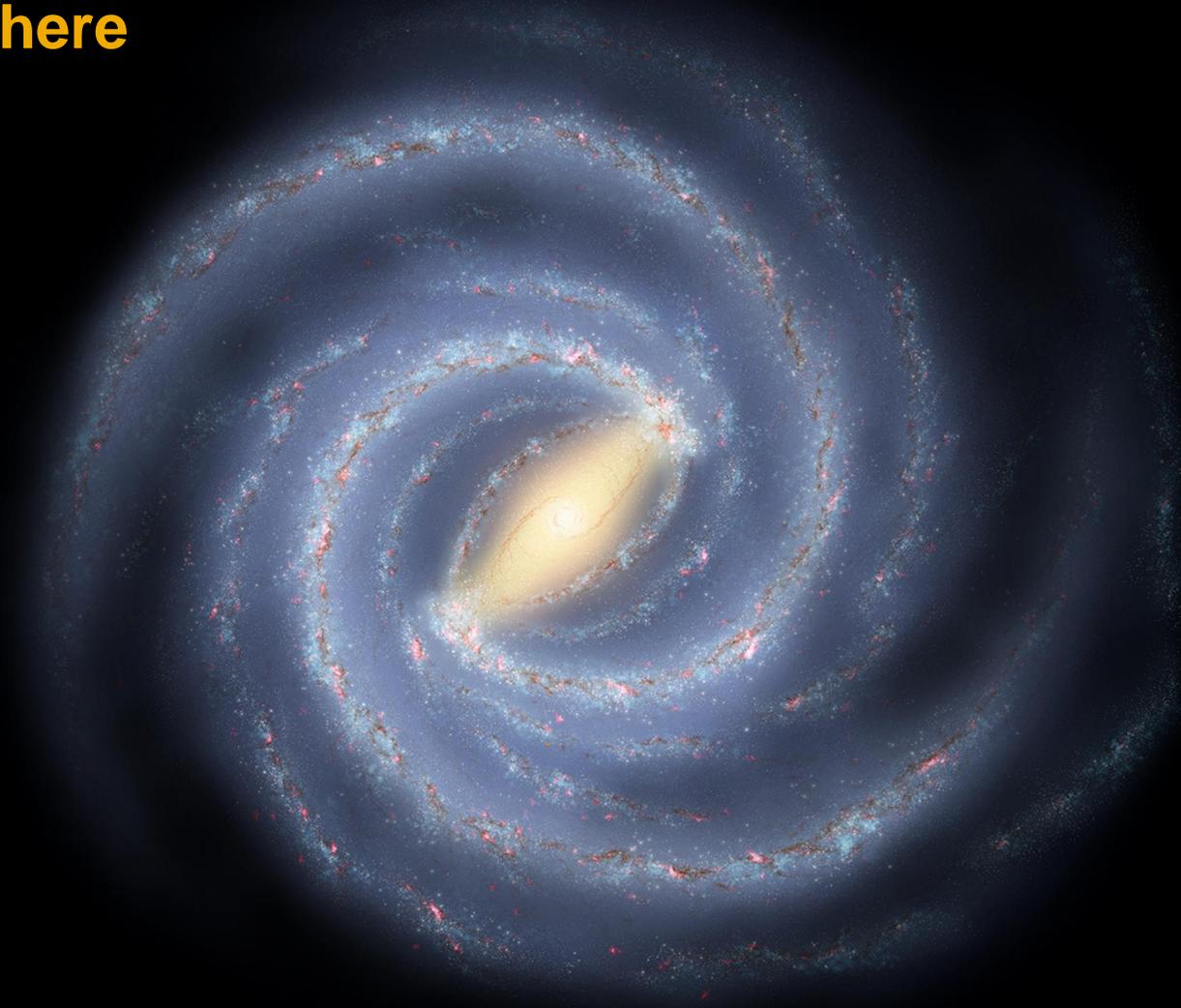
**10 Megabyte**

# The Global Data Sphere

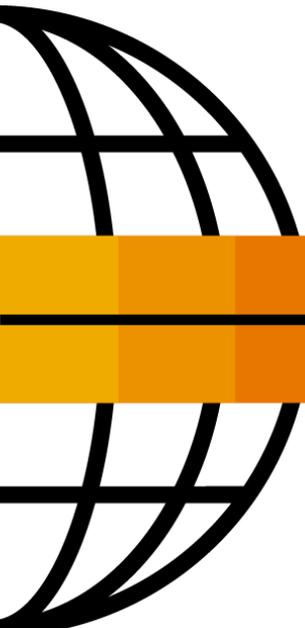


**1 Terabyte**

# The Global Data Sphere



**200.000 Petabytes**



2018

**33**  
zettabytes

Worldwide  
data generation

2025

**75**  
zettabytes

**DATA IS BIG**  
- AND GROWING FAST.

*This is all irrelevant!*

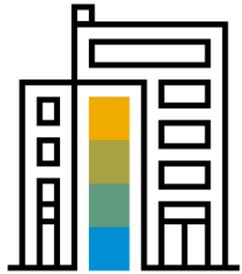


**Data ei tuota arvoa jos se ei ole  
käyttökelpoista**

# The Analytics Landscape Is Changing

Customers have large  
on premise investments

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Many existing workloads will stay on premise for the next few years.

New **IT Spending**  
is moving to the cloud

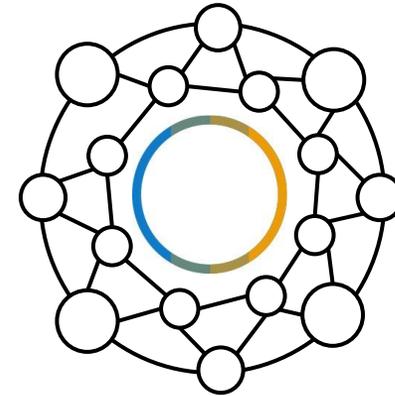
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For new applications and projects.

Analytics **Innovation**  
is in the cloud

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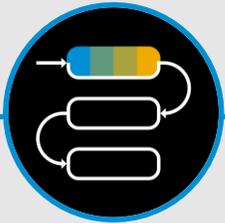


Customers will adopt the cloud to benefit from it.

# The Evolution of Decision Making

## Enterprise Reporting

Historical  
Static & Linear  
Top-down  
Costly

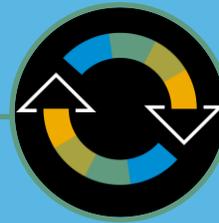


### IT

Curated data models and reports operationalized for the enterprise

## Self-Service Analytics

Dynamic  
Fast iterations  
Distributed

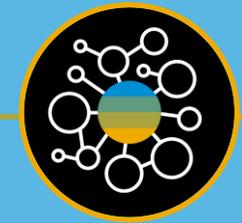


### Analyst

Data & visualization tools for self-service storytelling

## Augmented Analytics

Intelligent  
Automated  
Predictive



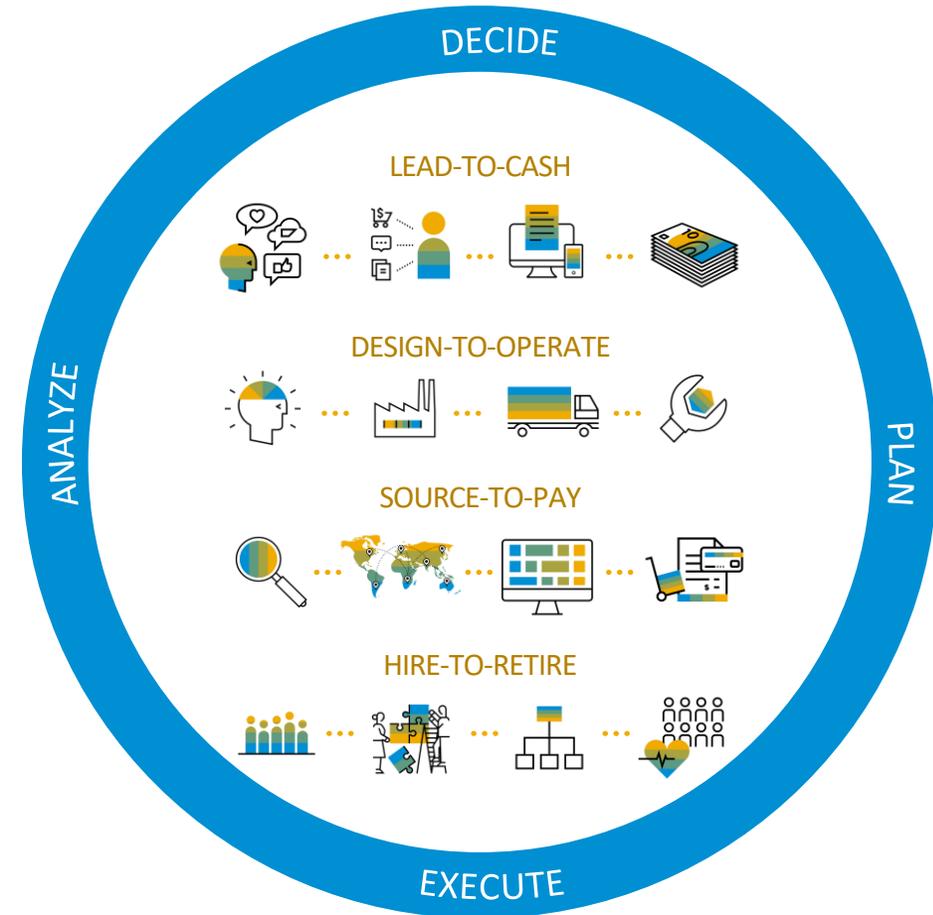
### Everyone

Smart search and augmented insights for cost center managers, line managers, finance managers, category managers, branch managers, suppliers, customers, etc.

**Data Democratization:** Shifting insight to everyone

# Data and analytics leaders are business leaders

- SAP data is the **most valuable enterprise data**
- Created from the **most important processes**
- Informing the **most impactful decisions**



# Today's reality: **An Information Gap?**

## Business



Interactive User



Power User



Story Designer



Analyst/Planner



Controller



Business User

- Single Version of the Truth?
- Time to Value?
- Agility and Flexibility?
- Limited data access?
- Spreadsheets and data silos?
- Multiple Definitions?
- Lack of Trust?
- Out of date data?

- Move to Cloud?
- Data Explosion?
- Workload?
- Governance?
- Shadow IT?
- High Costs?
- Multiple tools?
- High admin?
- Multiple Extracts?
- Lack of security?
- Compliance?

## IT



Data Scientist



Data Modeler



App Developer



Data Engineer

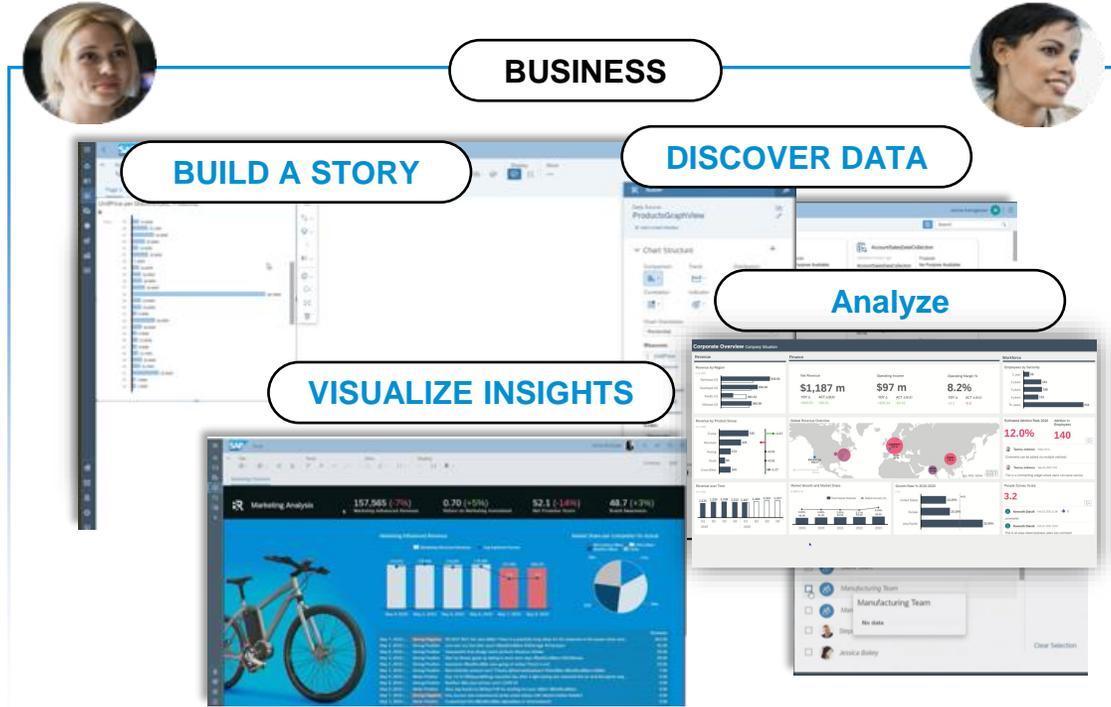


Data Steward



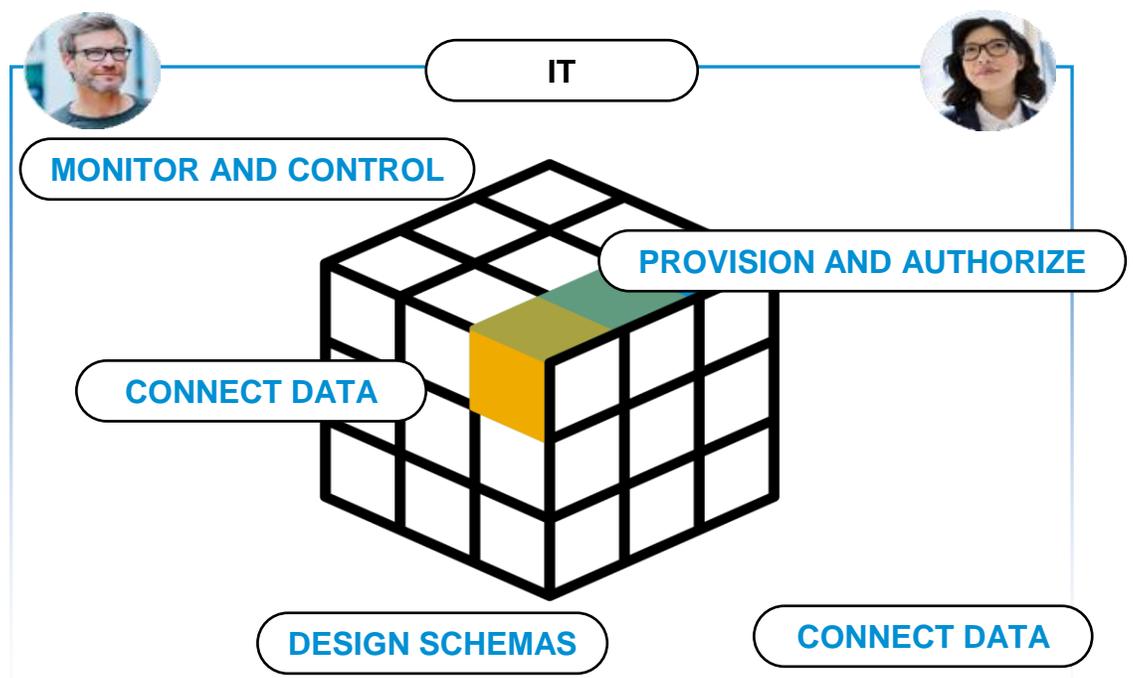
Admin

# Empower the line of business to transform data into insight *and* IT to govern data at the speed of business



- Dedicated working space for modeling and data analysis
- Point-and-click access to corporate and external data
- Out-of-the-box advanced analytics for superior experience
- Easy to share insights without duplicating data – one truth

**SAP ANALYTICS CLOUD**

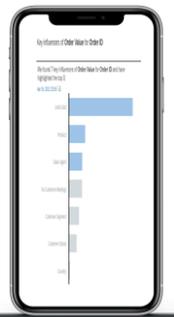


- Required compute and storage resources for specific projects and teams
- Centrally monitored consumption for cost control and accountability
- Enterprise-class data governance for trusted insights

**SAP BW**

**Gain trusted insights without delay**

# Self-Service Analytics to Design & Consume Interactive Dashboards & Visualizations



**Jane**  
Business User

*“I want to see my latest sales forecast on my mobile device and share with my team.”*



**Mary**  
Story Designer

*“I want to design a self-service template to view the business performance in 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

# Intuitive Self-Service **Data Exploration and Collaboration** for the Business Personas



**Ivo**  
**Info-Worker**

*“I want to answer ad-hoc business questions quickly and independently of an analyst.”*



**Cora**  
**Controller**

*“I want to get a structured view of the company’s financial performance across different dimensions.”*



**Aidan**  
**Analyst**

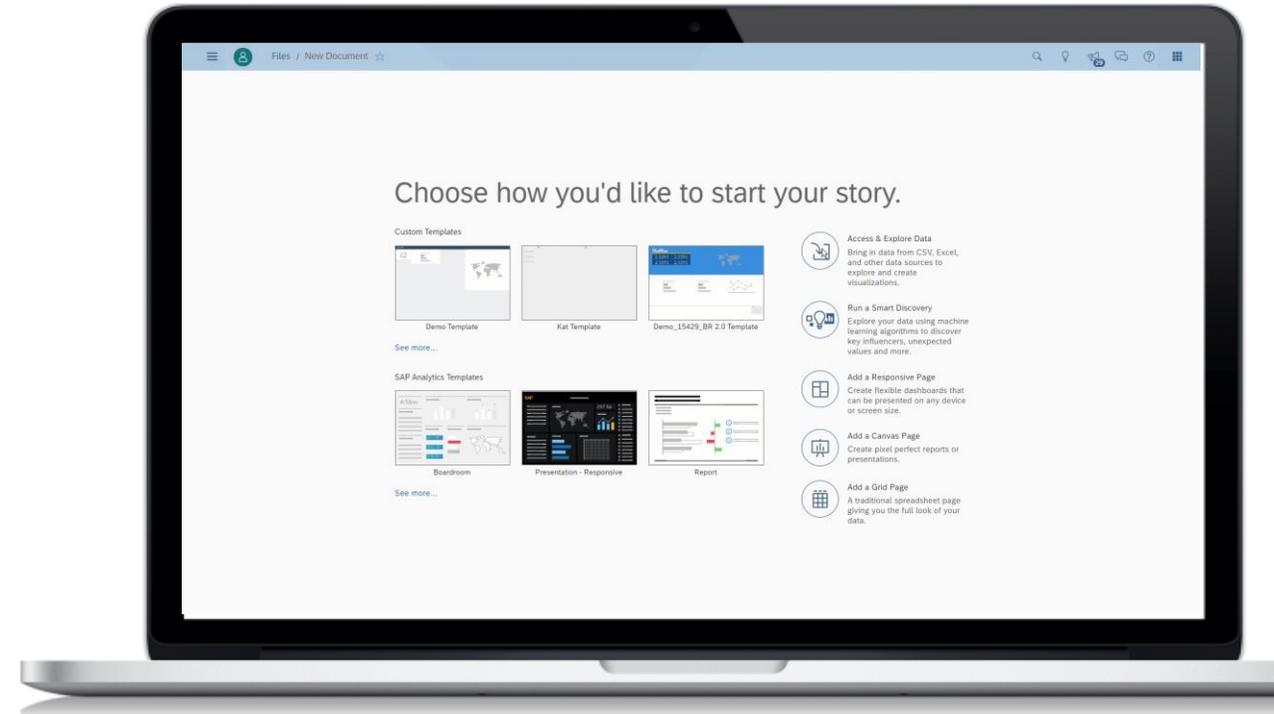
*“I want to analyze the data for the leadership based on business hypothesis or find insights/trends.”*

- Ad-Hoc Explorations on Governed Data and save Insights as Bookmarks

- Get Actionable Insights and in the context of a Business Applications

- Collaborate with other users and share Insights with comments

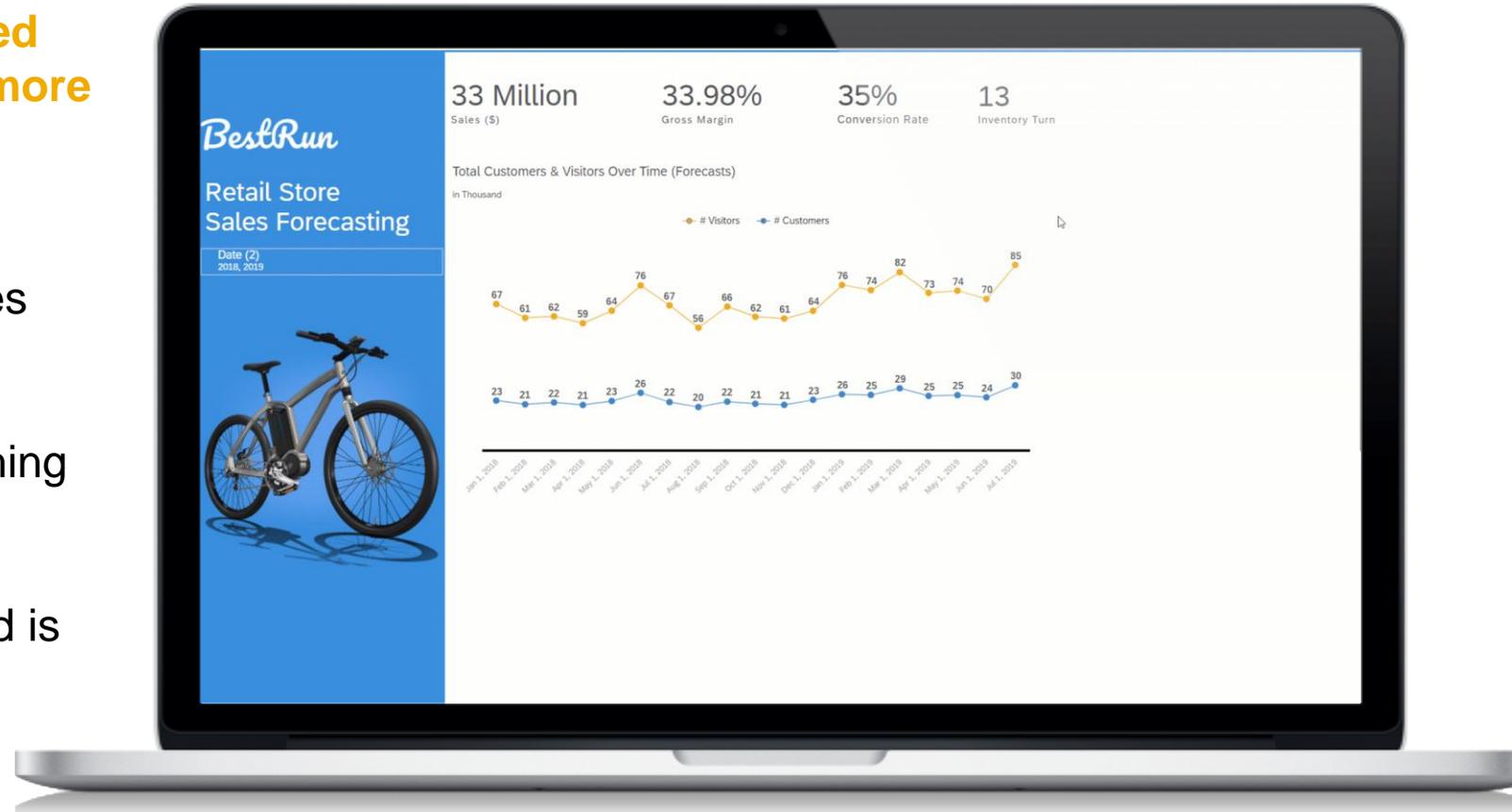
- Further explore data in the context of Stories and Analytic Applications



# Time Series Forecasting

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

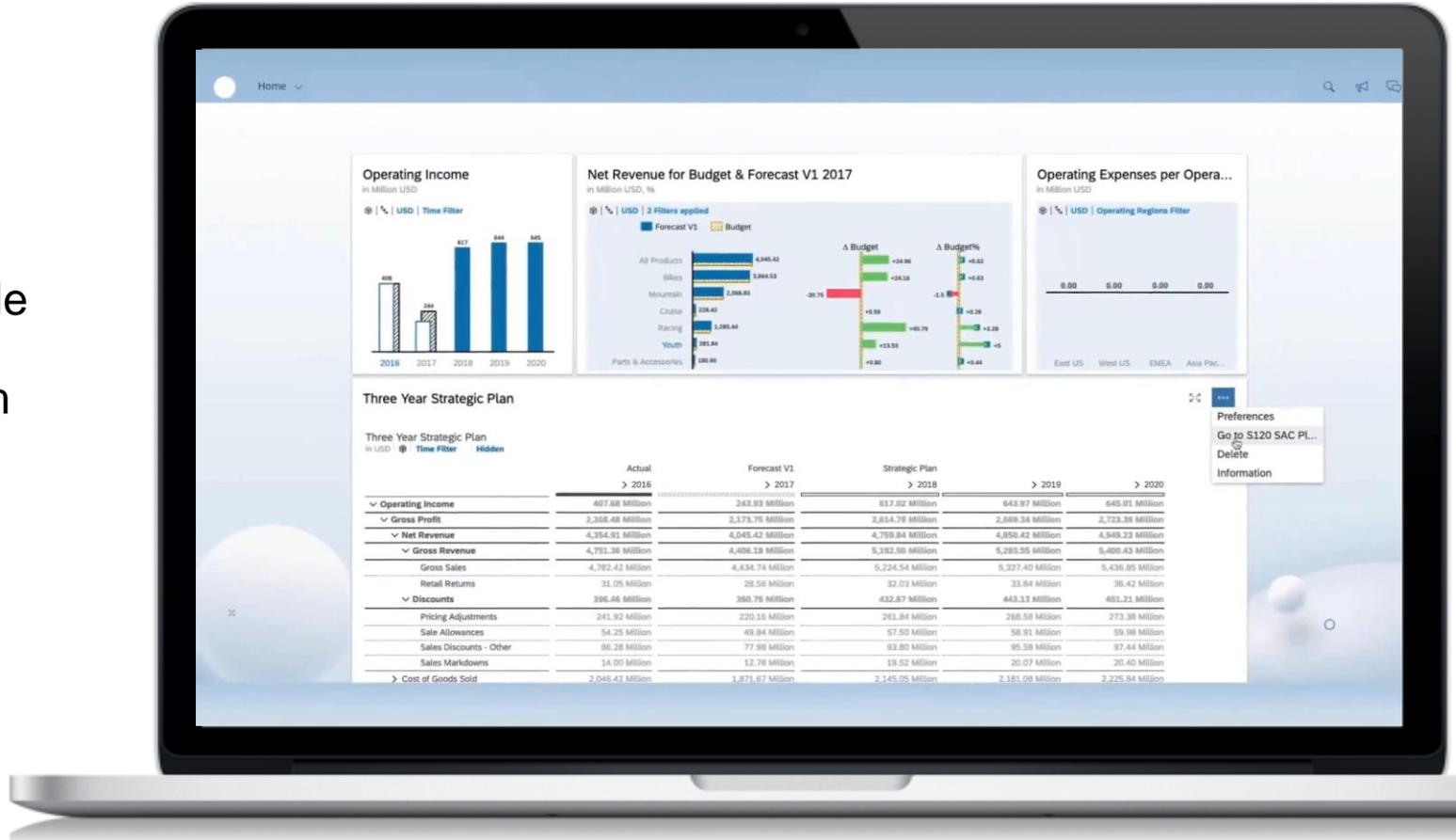
- Automatic forecasting on time series charts, line charts and planning tables
- Apply advanced options like linear regression, triple exponential smoothing and include additional inputs
- Forecast quality based on MAPE and is displayed as 0-5 rating



# What-If Analysis

Simulate “what-if” scenarios to test possible outcomes and make more confident decisions

- Perform what-if visually with widgets and value driver trees, or within a table
- Simulate from top to bottom or bottom to top
- Simulate questions like:
  - What if you increase discount by 20%?
  - What if you hire more staff?
  - What if costs of goods increased?



# Extended Planning & Analysis

## Remove barriers between Planning & Analysis

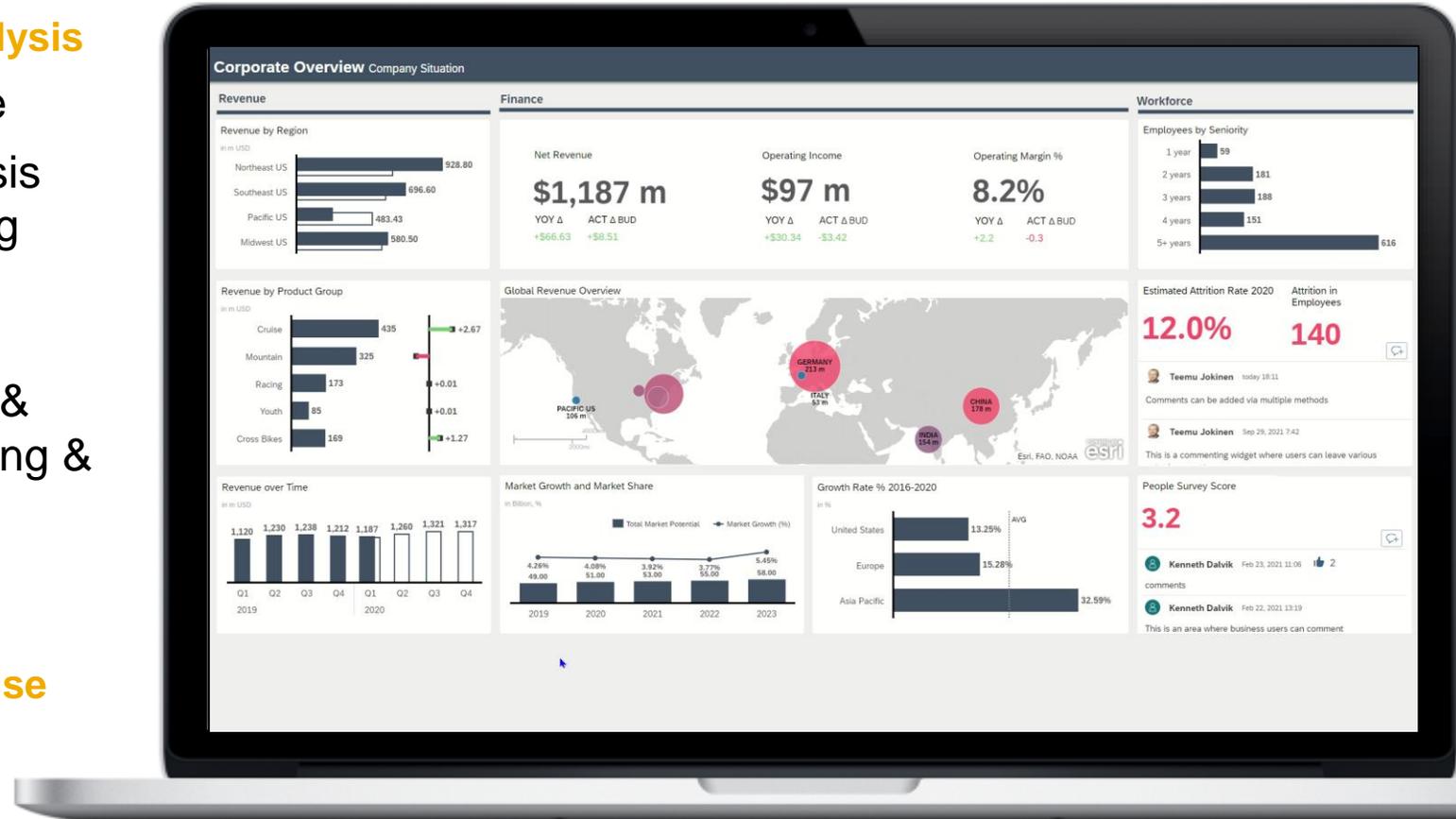
- Integrated BI, Planning, and Predictive
- Agile, streamlined planning and analysis with native collaboration & commenting

## Access powerful planning capabilities

- Customized data spreading, workflow & process management, unique versioning & simulation tools, and robust scenario analysis

## Deliver planning for an Intelligent Enterprise

- Consolidate planning onto a single platform by leveraging best-in-class connectivity to SAP solutions, and pre-delivered Best Practice content to realize accelerated time-to-value



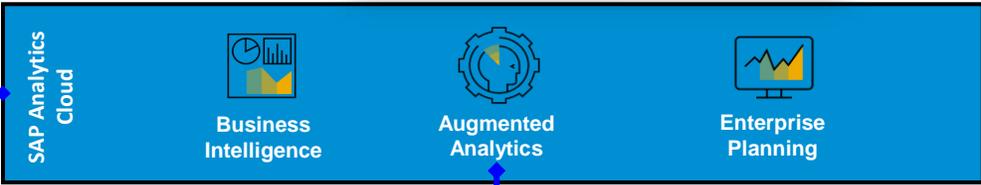
# Raportointiarkkitehtuuri SAP Analytics Cloudilla

## High-Level



Natiivin SAP integraation avulla data voidaan lukea SAP BW tietovarastosta tai suoraan SAP S/4HANAsta reaaliaikaisesti.

Raportointi- & analytiikkakerros + suunnittelu

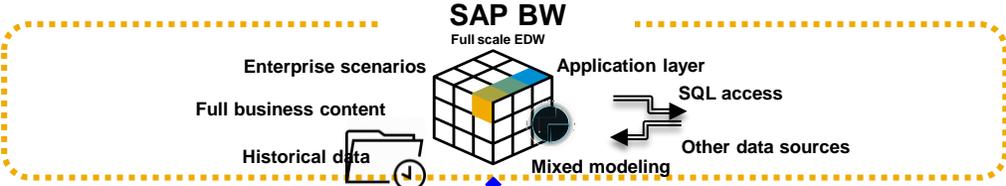


Natiivi SAP Integraatio

Julkipilvi

Tietovarastokerros

Natiivi SAP Integraatio



Palomuri

Transaktionaalinen data ei siirry missään vaiheessa palomuurin sisältä julkipilveen

Integraatiot

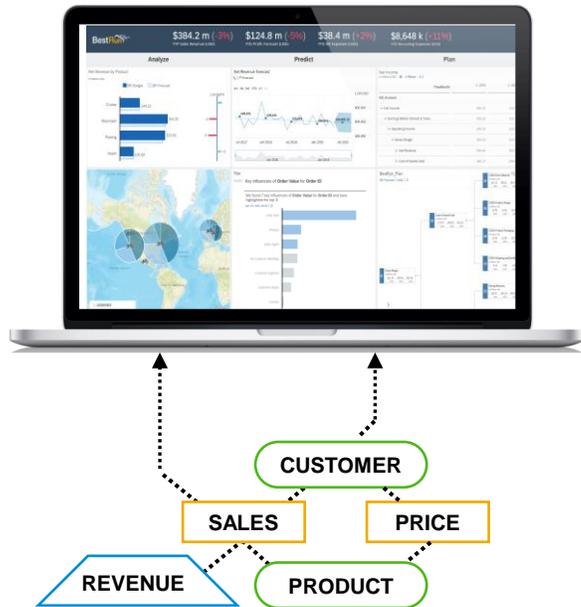
Natiivi SAP Integraatio

HANA integraatio

Datalähteet



# From Business Layers to **Interactive Stories**. Why move to SAP Analytics Cloud?



## **ANALYZE, PREDICT AND PLAN**

BI and planning, augmented with the power of machine learning.



## **SELF-SERVICE ANALYTICS**

Connect, explore, and create, then share and collaborate on desktop or mobile.



## **AUTOMATED PREDICTIVE INSIGHTS**

Smart features automatically discover hidden correlations in your data for you.



## **CONVERSATIONAL ANALYTICS**

Ask questions of your data in natural language and get answers visualized instantly, on desktop or mobile.



## **INTUITIVE DATA EXPLORATION**

Explore data with ease; connect to data models then point and click to filter, drill, visualize, and add visualizations to stories



## **SIMULATE WITH WHAT-IF ANALYSIS**

Perform what-if analysis and simulate outcomes with ML or visualizations.



## **ENTERPRISE CONTENT CATALOG**

Simplify and centralize access to all analytics, to increase user adoption.



## **FREE PRE-BUILT BUSINESS CONTENT**

Jump start your enterprise analytics with content for industry and line-of-business.



## **MOVE TO CLOUD AT YOUR OWN PACE**

Continue to leverage existing on-premises investments from SAP Analytics Cloud and move to full cloud analytics at your own pace.



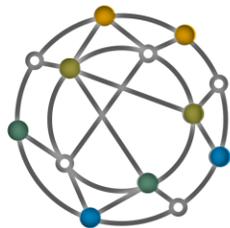
## **SCALE AND INNOVATE IN THE CLOUD**

Scale instantly to the cloud with a fully managed software-as-a-service solution; innovations are delivered automatically every quarter.

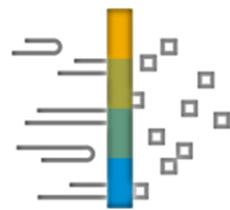
# Get started on the self service journey



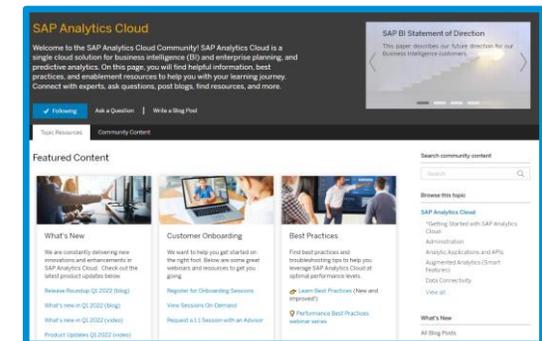
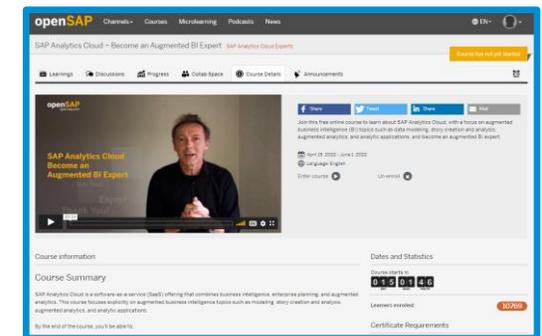
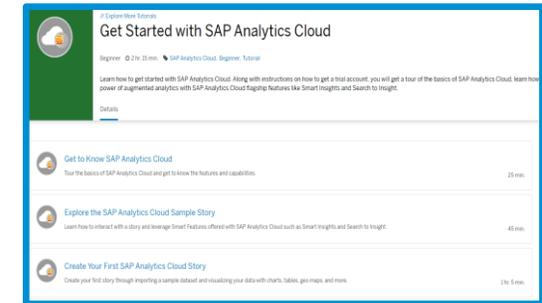
- All users can self learn with SAP Analytics Cloud [Onboarding Materials](#)



- Power users can go deeper with the OpenSAP [SAP Analytics Cloud BI Expert](#) (starting April 19<sup>th</sup>)



- SAP [Analytics](#) & [Data Warehouse Cloud](#) communities
- SAP Analytics [LinkedIn Group](#)
- The source for best practices & guidance



# Thank you

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