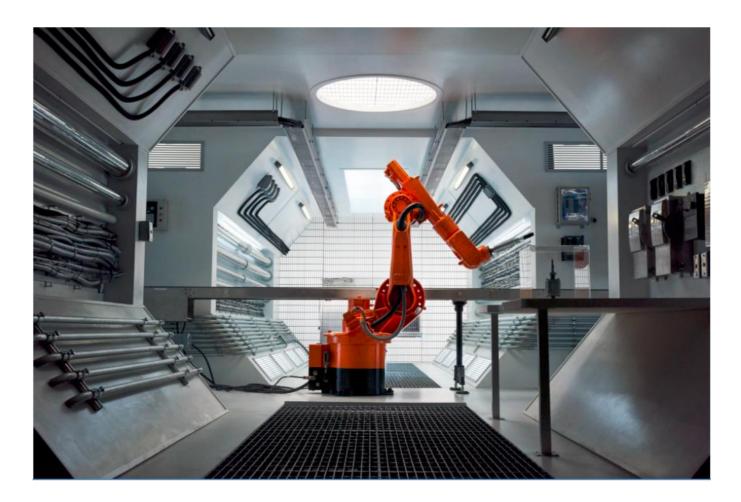
SAP BusinessObjects Predictive Analytics



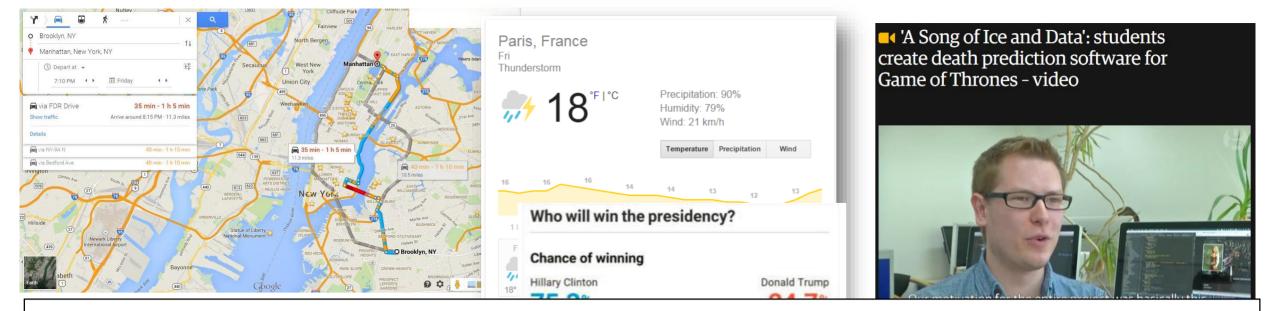
Antoine Chabert Product Management October 2016

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Predictive Analytics is the consumer expectation baseline!

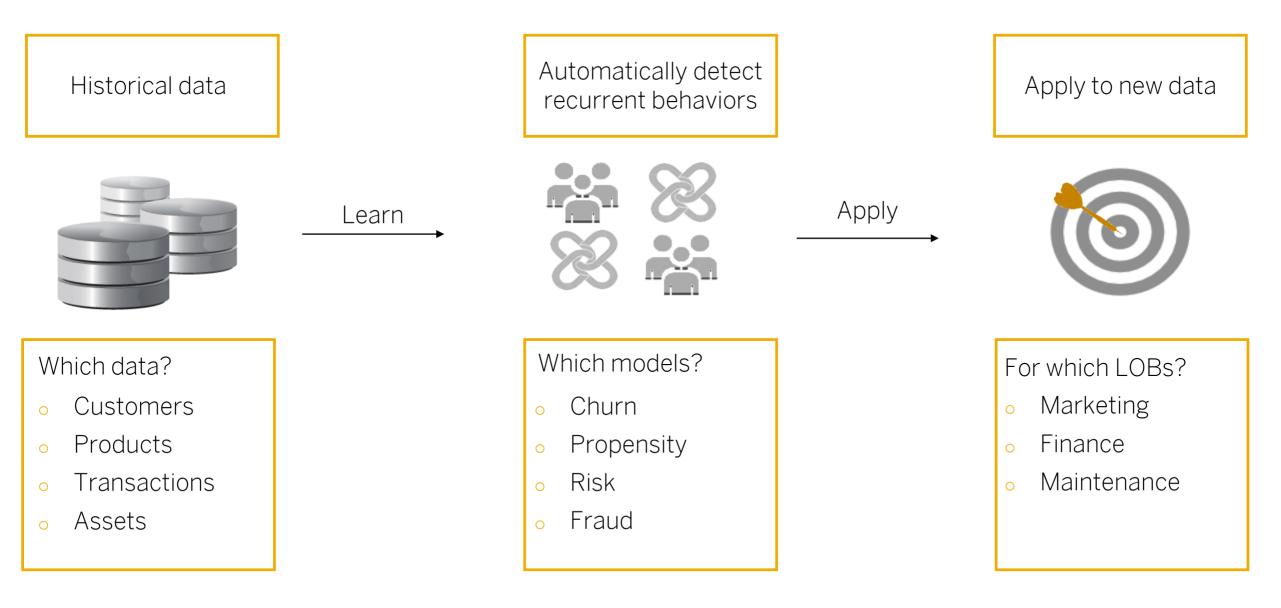


Solve Real Business Problems

By Optimizing Resources and Improving Margins



What is Predictive Analytics



Our Core Value Proposition



Use the power of predictive analytics from SAP

Value proposition for OEM partners

- No data science skills required!
- Create a clear competitive differentiator and new revenue streams with high value/ROI features (churn, x-sell, recommendations, maintenance, etc.)
- Close the skills gap between data scientists and business users
- Integrate automated predictive modeling capabilities into your applications and build predictive models in minutes, not weeks
- "Tight" or "Loose" coupling:
 - Tight: Embed libraries directly into your application or call them remotely
 - Loose: Embed predictive outcomes by using in-database scoring

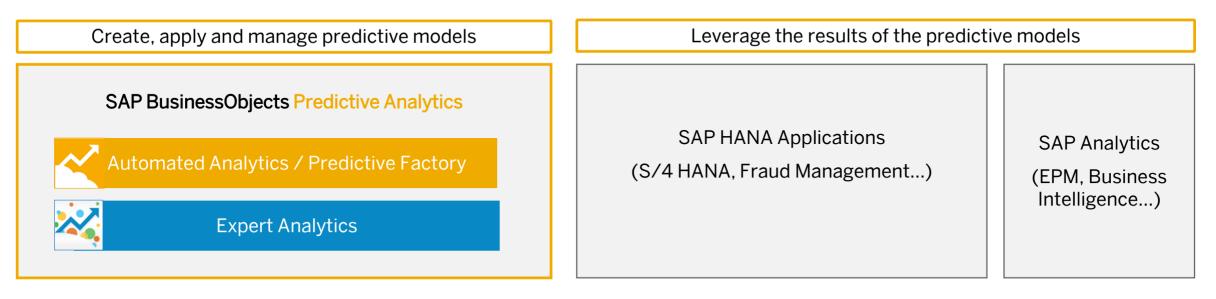
Use the power of predictive analytics from SAP

Value proposition for OEM customers

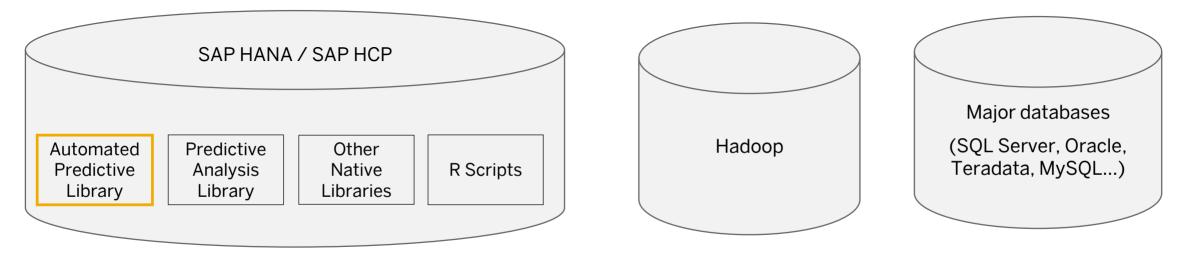
For your customers, your solutions will:

- Give to more **people access to the insight they need** in context, at the decision point
- Enable what-if scenarios in real time on the SAP HANA platform
- Accelerate decision making and improve business agility and outcomes

SAP Advanced Analytics Solutions



Access and store data, apply predictive models



Support All Predictive Needs



- End-to-end automation of your predictive projects.
- Guided, powerful data preparation
- Fast deployment
- **Predictive Factory** to manage 1000s of models



- **Customization** of the predictive projects.
- Extended support of SAP HANA Native libraries
- Support 8000+ R algorithms
- Drag and drop model creation





The Predictive Factory

- Manage the lifecycle of predictive models
- Automatically retrain, apply, test for deviation and forecast your models.
- Robustly embed Predictive Analytics at scale in business processes.

Key benefits

- Manage thousands of models easily
- Automate model refresh and application
- No scripting needed
- Multi-User, collaborative experience

Home Demo Sapphire SETTINGS MODELS TASKS VARIABLE STATISTICS

Models (9)

Name		Туре		Creation Date	
Churn Likelihood estimation Model 'Churn Likelihood estimation'imp	orted from modeling server.	Classification		April 26, 2016 4:32 PM	
Customer Life Time Value Model 'Customer Life Time Value'impor	ted from modeling server.	Regression		April 26, 2016 4:20 PM	
Fraud Detection Model 'Fraud Detection'imported from	nodeling server.	Classification		April 26, 2016 4:54 PM	
High profile prospects Model 'High profile prospects'imported	from modeling server.	Classification		April 26, 2016 4:20 PM	
Next Best Offer Model 'Next Best Offer'imported from r	10 Home \ Demo Supphire \ Forecasting on 1 store Task Run 1	Reference Dat	2: September 1, 2015 2 31 05 PM	A 100 0040 407 DV	
Preferred Channel Targeting Model 'Preferred Channel Targeting'im					
Product X Propensity Model 'Product X Propensity'imported f	Forecast Vs Signal	A	A		 Signal Forecast
Revenue Forecasting Model 'Revenue Forecasting'imported	rol 30000 -	\wedge			Upper Limit
Visits_Forecasting Model Visits_Forecasting"mported from	2000 - 1000 -				
	•				
	Гананау 1, 2011. 1. Милий 1, 2011. 1. Амай 1, 2011. 1.20. Амай 1, 2011. 1.20. Амау 1, 2011. 1.20. Маку 1, 2011. 1.20. Воровный 1, 2011. 1.20. Воровный 1, 2011. 1.20. Воровный 1, 2011. 2. Российски 1, 2011. 2. Российски 1, 2012. 2. Российски 1, 2012. 2. Российски 1, 2012. 2.	Martin 1, 2012. 2010. Martin 1, 2012. 2010. Martin 1, 2012. 2010. Janny, 1, 2012. 2010. Janny, 1, 2012. 2010. Janny, 1, 2012. 2010. Bennisari, 1, 2012. 2010. Pennisari, 1, 2012. 2010. Pennisari, 1, 2012. 2010. Pennisari, 1, 2013. 2010. Pennisari, 1, 2013. 2010. Pennisari, 1, 2013. 2010. Pennisari, 1, 2013. 2010. Pennisari, 2013. 2010. Pennisari, 2013. 2010. Pennisari, 2013. 2010. Pennisari, 2013. 2010.	Address of the constraints of the constraints of the constraint of	Normiter 1, 2014. Provinder 1, 2014. Provinder 1, 2014. Provinder 1, 2015. L. Marten 1, 2015. 12.0. Marten 1, 2015. 12.00. Marten 1, 2015. 12.00. Marten 1, 2015. 12.0. August 1, 2015. 2. Projekt 1, 2015. 2. Pr	
	Date	Forecast	Lower Limit	Upper Limit	
	October 1, 2015 12:00 AM	13325.97	10223.52	16428.43	
	November 1, 2015 12:00 AM	3233.96	131.50	6336.41	
	December 1, 2015 12:00 AM	2499.94	-602.52	5602.40	



SAP HANA Cloud Platform predictive services

Ready-to-be-integrated web services that delivers predictive analytics insights

• Dataset, Forecast, Key Influencer, Outliers, Scoring equation, What-if

Highly specific web services that respond to specific business needs

All the data mining process is packaged inside the service and is hidden from the user.

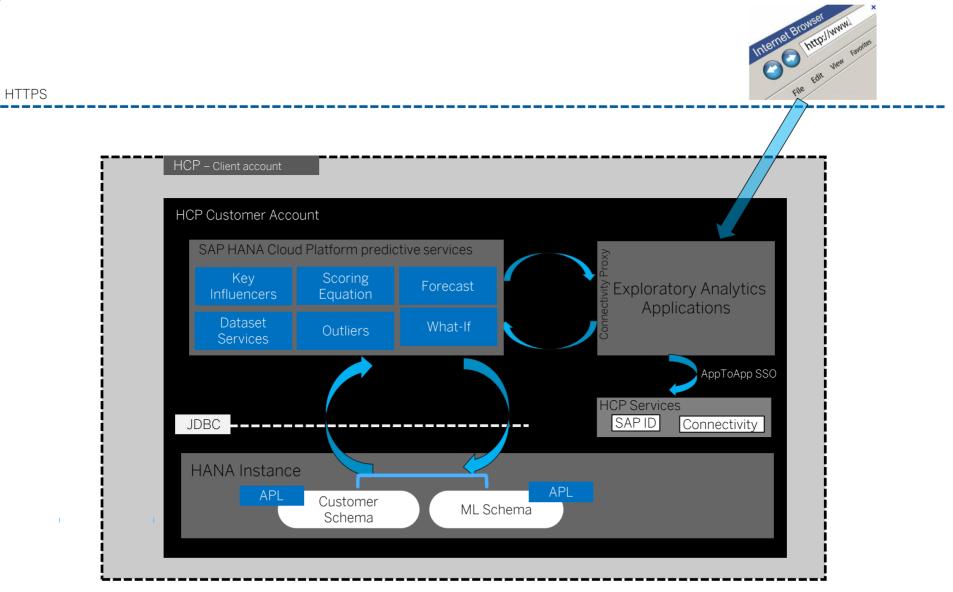
Services are available on HCP to allow any existing or new applications on HCP to embed predictive analytics features.

Simple to use

- SAP HANA Cloud Platform predictive services are based on HANA Automated Predictive Library (APL)
- 1 call ⇔ 1 business need
- Results are understandable



HCP predictive services Architecture



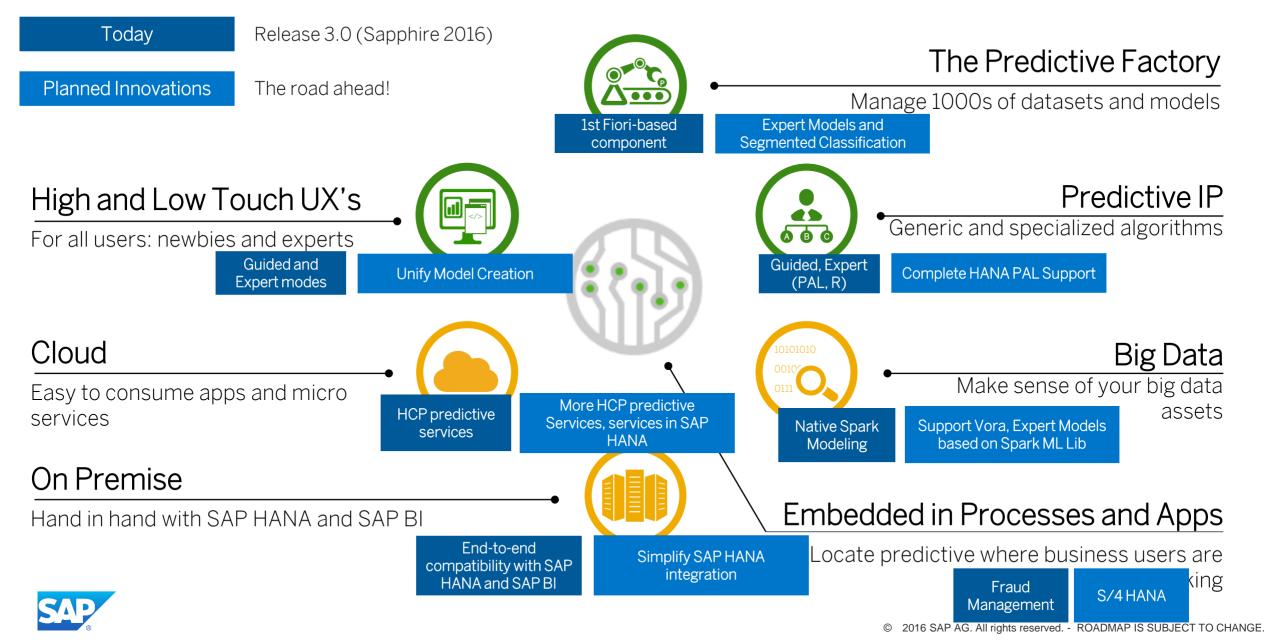
Embed Predictive Analytics in your application

SAP BusinessObjects Predictive Analytics comes with a comprehensive API for the Automated mode.

- C++
- Java
- A proprietary scripting language
- APL

These allow piloting the Predictive Engine as if using the interface.

Reimagine The Entire Predictive Experience



High and Low Touch UX's For all users: newbies and experts



Planned
Innovations

⊚ #			Lahan
Bank Product Sales / Credit Card Sales Classification / Credit Card Sales Classification (1)			Labs Preview
Predictive Power 86 Variable Count: 1,234 Pediction Confidence: 91 Record Count: 250,000 PROPERTIES TRAINING REPORTS	Created by: Lucy Muller Last Updated: Dec 16, 2015	Training Date: Dec 18, 2015 Training Duration: 2h 23m	
Training Data Data Set: Customer Order Information 2015	Data Preprocessing Samping: None		/
Geographic Area: Germany TRAINING REPORTS	Filtering: None		
Overview			^
MODEL QUALITY	TOP 5 CONTRIBUTION VARIABLES	1=	PERFORMANCE
86 Predictive Power	Lorem	63% 32%	Wizard Value Random Value
91 Prediction Confidence	Dotor	15%	
	Amet	3%	
Performance			~
Contributions			^

Bank Product Sales / Credit Car	rf Sales Classifica					Preview
Credit Card Sale						Train Mode
COMPONENTS	10	🛃 Save 🕨 🕨 Run	in or the			PROPERTIES SNAPSHOTS
FAVORITES	1					General
$_{h,e}^{\omega}$ Auto Clustering	1E		0			Name: Auto Classification Alias: Auto Classification
ALGORITHMS	23					
SSOCIATION	1	customers_w	Filtor	Auto Classification		Column Selection Target Variable: SomeVariable
CLASSIFICATION	1			Lorem		Included Variables: All
# Auto Classification	II			0		New Column Information
CLUSTERING	2					Predicted Column Name: PredictedValues
DECISION TREES	1			Classificat		Edit Properties
EURAL NETWORKS	2					Provide a subservera
DUTLIERS	2					
REGRESSION	10 N	ODEL REPRESENTATIONS	DATA GRID		Ζ×	
IME SERIES	4					
ATA PREPARATION	5	Variable Contributions	~			
REPROCESSORS	5					
ATA WRITERS	2	0.175				
DATABASE WRITERS	1	0.125				
FILE WRITERS	1	0.100				

Useful Links

Key links

- SAP OEM Partner site
- Roadmaps on SAP Service Marketplace
- SAP Community Network
- Predictive Analytics Community
- SAP BusinessObjects Predictive Analytics 30 days Trial
- SAP BusinessObjects Predictive Analytics

http://www.sap.com/partners/oem http://service.sap.com/saproadmaps http://scn.sap.com/ http://scn.sap.com/community/predictive-analytics https://www.sap.com/trypredictive

http://go.sap.com/solution/platform-technology/predictive-analytics.html

Where to go to provide product feedback and ideas

- SAP Idea Place
- Predictive Idea Place
- Influence programs

Sign up to our newsletter

https://ideas.sap.com https://ideas.sap.com/PredictiveAnalytics http://service.sap.com/influence

http://scn.sap.com/docs/DOC-66912