



jedox.

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Jedox Alssisted™ Planning: The Wizard

GETTING STARTED

Jedox AIsisted™ Planning Wizard



Goal: Easy click through solution for customized AIsisted™ solutions

01

Select Custom Database

Automate your Forecasting Tasks directly on your Source Data

02

Define Input Data

Choose level and time range of your input data

03

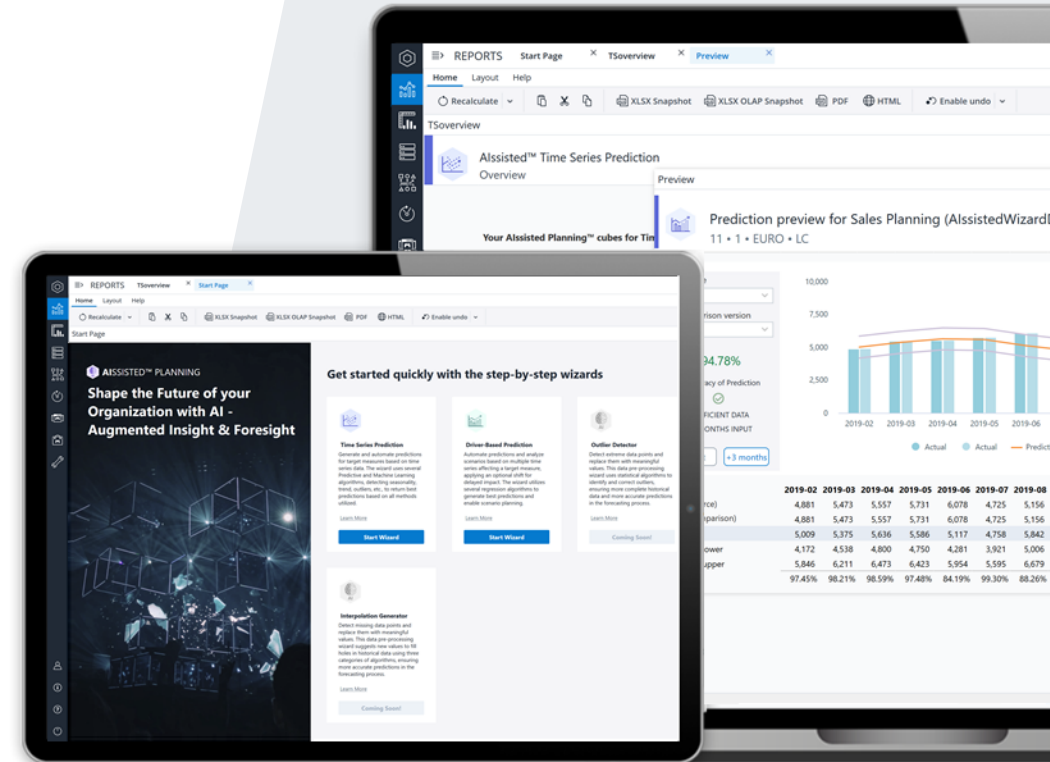
Set Prediction Properties

Choose algorithms and prediction horizon as well as additional features, like Outlier detection, scheduling etc.

!

Get Prediction

Have the prediction from your custom data visualized in the AIsisted Planning Wizard Preview Report



Jedox Assisted™ Planning



What is Assisted™ Planning for?

AUTOMATION

Automate your Forecasting Tasks directly on your Source Data

INTEGRATION

Assisted™ Planning functionality is fully integrated in your Jedox Environment without use of additional AI tools

AUGMENTED PLANNING

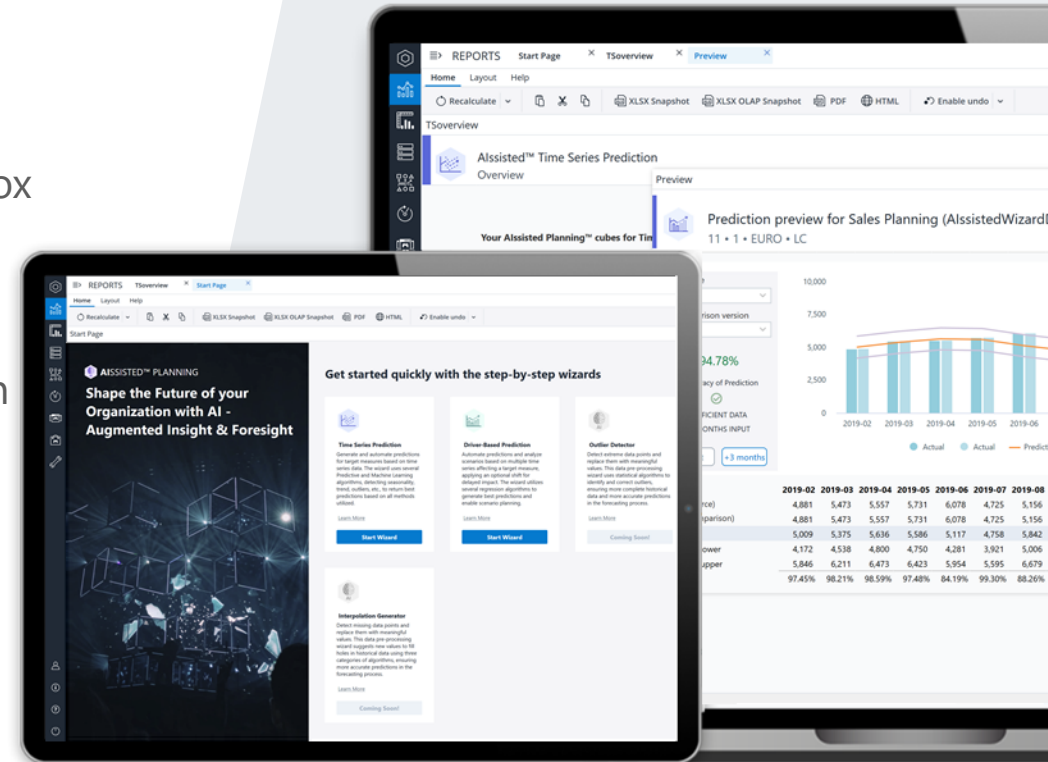
Get recommendations & identify drivers for dynamic simulation and scenario planning

EFFICIENCY

Save Time in Planning with Recommended Forecasts for your Planners

QUALITY

Get highly accurate results from Assisted™ Planning Services



Jedox Alssisted™ Planning – Use Case Examples

Business user-driven: Create value with integrated AI services, intuitive wizards and pre-built models



➔ Time Series Prediction (Wizard)

▶ What it is

Automated, continuous prediction based on timeseries data

▶ Applications

Predictive budgeting and forecasting

▶ Benefits

Increased accuracy, granularity, and time-savings through automation



➔ Driver-Based Prediction (Wizard)

▶ What it is

Include multiple variables in predictions and analyze scenarios

▶ Applications

Predictive planning

▶ Benefits

Increased accuracy of predictions (esp. in combination with timeseries forecast), decision-support for planning

Assisted™ Time Series Forecast Wizard

Goal: Easy click through solution for customized Assisted™ solutions

1

Back to overview
Step 1 : Select Cube and validate structure
 Select a cube and review its structure to ensure that it is suitable for Assisted Predictive Forecasting. A cube must have a defined Measure, Time and Version dimensions. You can define Dimension Types in Modeler.

VALIDATED. All Dimension Type assignments are correct for this cube. Please click Next continue with the setup.

Database: AssistedWizardDemoData

Cube Sales Planning : Dimensionality & Dimension Types

Version	(Version)
Month	(Time)
Legal Entity	(Business)
Article	(Business)
Customer	(Business)
Currency	(Business)
Sales Planning_measure	(Measure)
7 dimensions	

Select custom cube

2

Back to overview
Step 2 : Select Prediction Source for Sales Planning (AssistedWizardDemoData Database)
 To execute the prediction, we need to identify the area of your cube that contains the base historical values. Please select the area below by reviewing each dimension.

Time Dim | Month • 2016-01 To

Version Dim | Version • Source: Actual

Measure Dim | Sales Planning_measure • Units

based on 37 months

Other Dimensions	Mode	Elements Selected
Legal Entity	onlyNodes	11
Article	onlyNodes	1
Customer	onlyNodes	EURO
Currency	onlyNodes	LC

Cancel Back Next

Select elements for time series

3

See prediction results plus comparisons in example report

Preview

Prediction preview for Sales Planning (AssistedWizardDemoData)
 11 • 1 • EURO • LC

Measure: Units
 Comparison version: Actual

94.78%
 Accuracy of Prediction
 SUFFICIENT DATA
 37 MONTHS INPUT

Reset +3 months

Versions	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020-01	Total
Actual (source)	4,881	5,473	5,557	5,731	6,078	4,725	5,156	7,358	6,100	6,292	8,753		66,103
Actual (comparison)	4,881	5,473	5,557	5,731	6,078	4,725	5,156	7,358	6,100	6,292	8,753		66,103
Prediction	5,009	5,375	5,636	5,586	5,117	4,758	5,842	6,927	5,891	6,048	8,075	5,454	69,718
Prediction_lower	4,172	4,538	4,800	4,750	4,281	3,921	5,006	6,090	5,054	5,212	7,238	4,617	59,679
Prediction_upper	5,846	6,211	6,473	6,423	5,954	5,595	6,679	7,763	6,727	6,885	8,912	6,291	79,759
Accuracy	97.45%	98.21%	98.59%	97.48%	84.19%	99.30%	88.26%	94.14%	96.57%	96.13%	92.26%	0.00%	94.78%

Jedox Alssisted™ Planning – Use Case Examples

Business user-driven: Create value with integrated AI services, intuitive wizards and pre-built models



➔ Time Series Prediction (Wizard)

▶ What it is

Automated, continuous prediction based on timeseries data

▶ Applications

Predictive budgeting and forecasting

▶ Benefits

Increased accuracy, granularity, and time-savings through automation



➔ Driver-Based Prediction (Wizard)

▶ What it is

Include multiple variables in predictions and analyze scenarios

▶ Applications

Predictive planning

▶ Benefits

Increased accuracy of predictions (esp. in combination with timeseries forecast), decision-support for planning

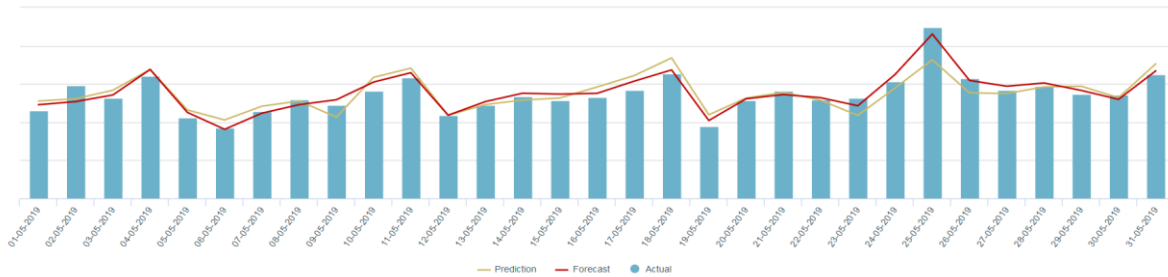
Driver-Based – APEX Hotels

“With Jedox Alssisted™ Planning we had amazing forecast results and we see a big opportunity for time savings.”

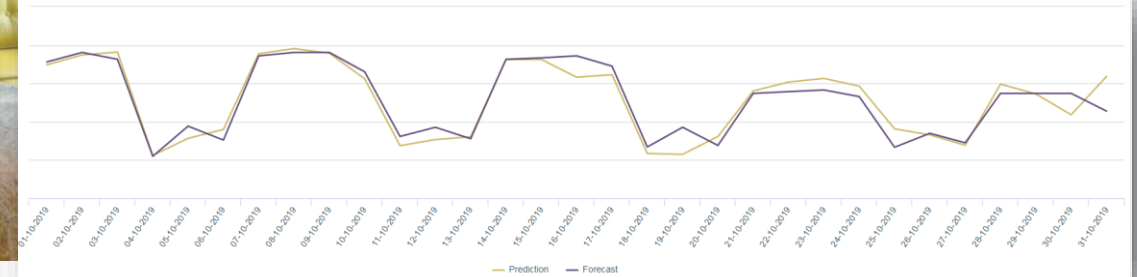
Flora Selkirk, Head of Financial Planning & Analysis



AI Accuracy 99.6%



Variance -0.15%



WHAT

■ Target Measures

Forecast revenue and booked rooms

■ Prediction Range

Forecast the next *4 months*

■ Granularity

Forecast on daily base

■ Input Range

Using 2-3 years historical data with actuals and bookings on a daily base

HOW

➔ Input

Using multiple drivers such as e.g.

- ➔ Actuals
- ➔ Weekdays
- ➔ Events
- ➔ Previous bookings/years

➔ Method

Running Alssisted™ Driver-Based Planning services on 7 drivers plus target

RESULT

➔ Detail level

Prediction for 10 hotels, 6 market sections & 6 booking sources (360 combinations)

➔ Automation: “Always on”

Daily AI Planning (instead of bi-weekly)

➔ Accuracy

In AVG over 95% vs Actual and better than human planners

NEW: Alssisted™ Driver-Based Prediction

Goal: Easy click through solution for customized Alssisted™ solutions

1

Step 1 : Select Cube and validate structure.

Select a cube and review its structure to ensure that it is suitable for Alssisted Predictive Forecasting. A cube must have a defined Measure, Time and Version dimensions. You can define Dimension Types in Modeler.

VALIDATED. All Dimension Type assignments are correct for this cube. Please click Next continue with the setup.

Database: BikeRental

Cube BikeRentalData : Dimensionality & Dimension Types

Datetime	(Time)
Season	
Holiday	
Workingday	
Weather	
Version	(Version)
Measure	(Measure)
7 dimensions	

Cubes

- AIConfigCube
- BikeRentalData

Select custom cube

2

Step 2 : Select Prediction Source for BikeRentalData (BikeRental Database)

To execute the prediction, we need to identify the area of your cube that contains the base historical values. Please select the area below by reviewing each dimension.

Time Dim | Datetime * 2018-01

Version Dim | Version * Actual

Measure Dim | Measure * TemperatureChange, Te

Other Dimensions * Mode Elements Selected

Season	onlyNodes	All season
Holiday	onlyNodes	All holiday
Workingday	onlyNodes	All workingday
Weather	onlyNodes	All weather

ListPicker

Pick Value (pause after multi select)

- All season
- Spring
- Summer
- Fall
- Winter

CLEAR PICK Back Next

Select elements for time series

Select elements for input features

3

See prediction results plus comparisons in example report

Preview

Prediction preview for BikeRentalData (BikeRental)

All season • All holiday • All workingday • All weather

Measure: Units

Comparison version: Actual

87.41%

Accuracy of Prediction

INSUFFICIENT DATA
12 MONTHS INPUT

Reset +3 months

Versions	2019-01	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	Total
Actual (source)	1,498	1,243	1,860	1,857	1,600	2,268	1,718	1,829	1,698	1,512	2,086	1,962	21,131
Actual (comparison)	1,498	1,243	1,860	1,857	1,600	2,268	1,718	1,829	1,698	1,512	2,086	1,962	21,131
Prediction	1,514	1,092	2,016	1,836	1,909	2,525	1,752	1,539	1,349	1,164	1,774	1,445	19,915
Actual (TemperatureChange)	229	304	277	294	250	289	344	350	185	176	231	376	3,305
Actual (Temperature)	285	394	382	340	322	366	442	437	220	230	321	458	4,197
Accuracy	98.94%	87.85%	92.26%	98.87%	83.81%	89.82%	98.06%	84.14%	79.45%	76.98%	85.04%	73.65%	87.41%

How to get AIsisted™ Planning Wizard

Goal: Easy to get via Marketplace, always up-to-date

- **Release on 01 April 2020**

Wizard Install & Test Drive

- **Install via Marketplace**

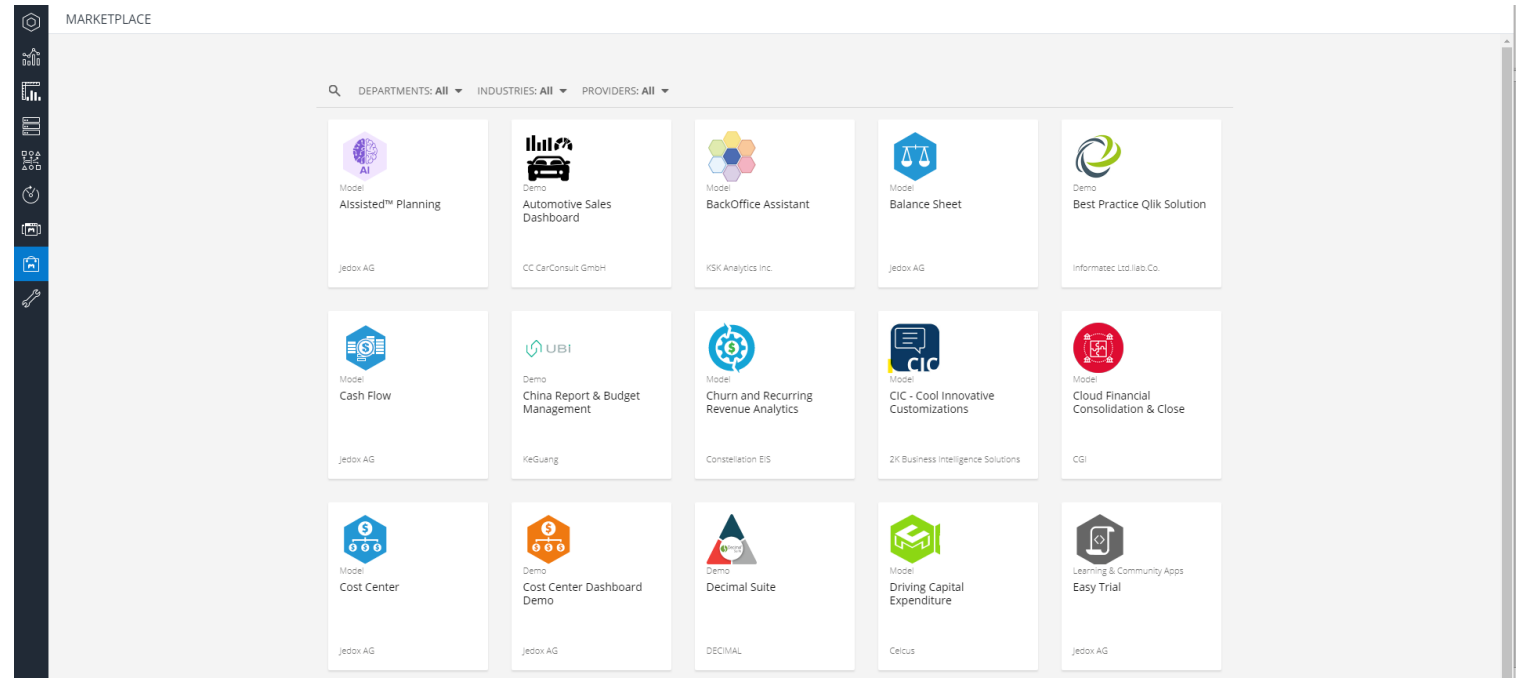
Easy to get

- **Update via Marketplace**

Automatically up-to-date

- **License (for now)**

Contact Order Management or Presales



Jedox AiSSisted™ Planning Service

Resources

■ AiSSISTED™ PLANNING

<https://www.jedox.com/en/epm-software/aissisted-planning/>

■ JEDOX MARKETPLACE (TESTDRIVE)

<https://marketplace.jedox.com/ui/store/#!store/model/com.jedox.buildingblock.predictiveforecasting>

■ WEBINAR - AI in Enterprise Performance Management

<https://www.jedox.com/en/resources/ai-in-enterprise-performance-management/>

■ WEBINAR - AI for Sales Forecasting and Budgeting

<https://www.jedox.com/en/resources/spotlight-on-the-future-ai-for-sales-forecasting-and-budgeting/>

■ KNOWLEDGEBASE

<https://knowledgebase.jedox.com/knowledgebase/aissisted-time-series-prediction-wizard/>

<https://knowledgebase.jedox.com/knowledgebase/aissisted-driver-based-prediction-wizard/>

