Supercharge IBM Cloud Pak for Data with Watson Studio Premium

Accelerate data science and AI project delivery with IBM Watson™ Studio Premium for Cloud Pak for Data

Value propositions

Increase productivity
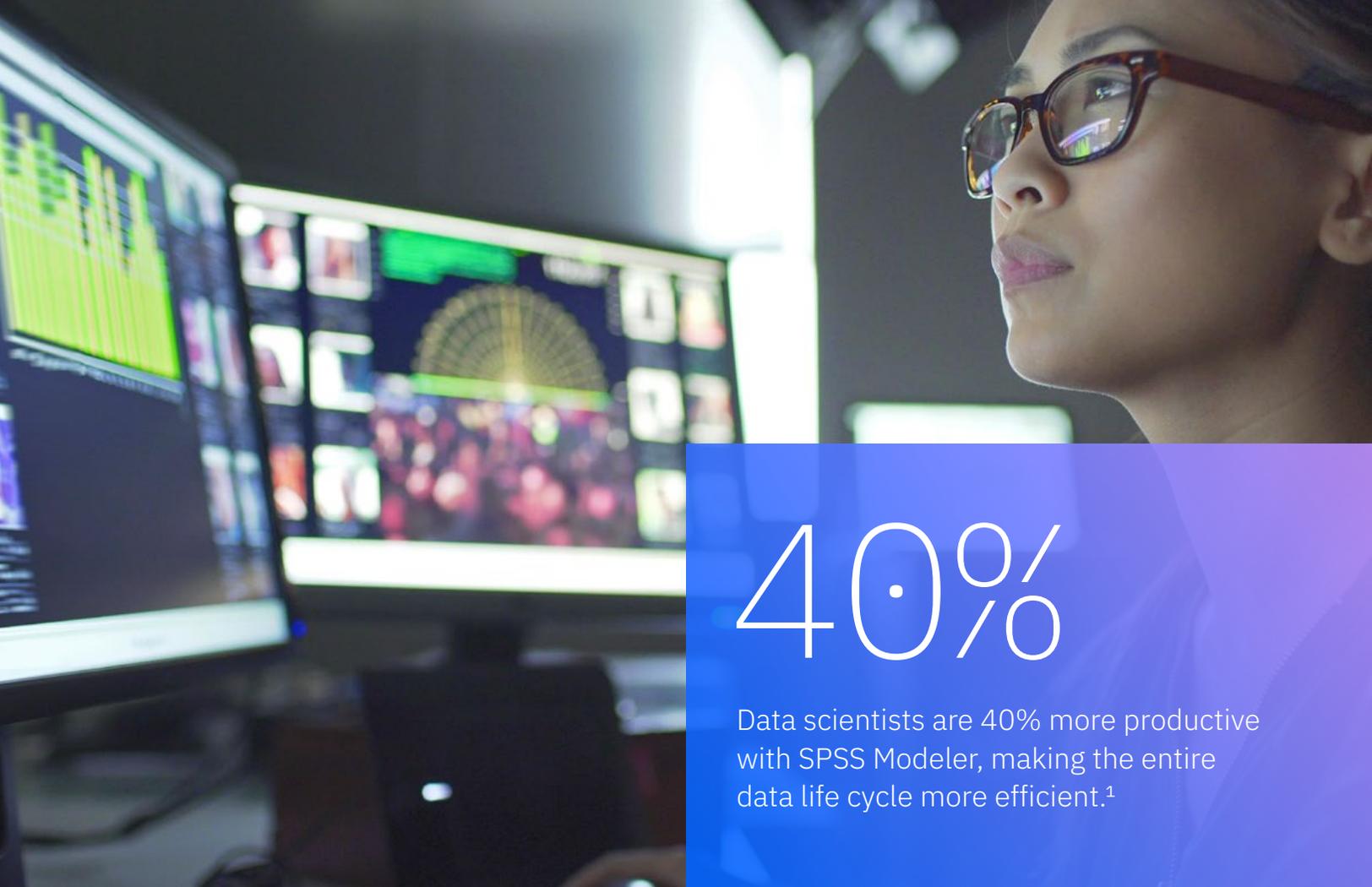Eliminate the need for coding with visual predictive modeling

Speed decision-making
Turn insights from data into business actions with prescriptive analytics

Keep your data secure
Bring AI to your data, rather than the reverse

40%

Data scientists are 40% more productive with SPSS Modeler, making the entire data life cycle more efficient.[1]

IBM Watson Studio Premium for Cloud Pak for Data

Build and scale AI with trust and transparency.
Artificial intelligence (AI) is transforming businesses everywhere. A sound AI strategy is built on making data accessible and making data analysis and AI model-building easier. For AI to thrive, it's imperative that your team can quickly get onboard, scale and automate AI across multiple clouds while ensuring trust and confidence in outcomes.

Furthermore, to drive desired AI outcomes you need to inject predictive and prescriptive insights into business processes by harnessing the power of prediction and optimization.

This requires an environment and tools that allow you to:

– Effectively utilize all information resources, including big data, by moving analytics to the data

– Leverage your team's knowledge and skills effectively — both citizen data scientists and business users — all within the same platform

– Efficiently derive optimal plans and schedules factoring in millions of decision variables and predictive insights

– Accelerate data science projects by automating the data science lifecycle.

IBM Cloud Pak for Data combined with Watson® Studio Premium provides businesses with these capabilities while allowing them to mix and match tools and deploy on any cloud.

Watson Studio Premium consists of:

– IBM Decision Optimization
– IBM SPSS Modeler
– Hadoop Execution Engine

Mix and match based on your consumption needs and accelerate data science project delivery.

Watson Studio Premium

Take the interactive product tour
for Watson Studio Premium →

Build and scale AI across your enterprise
Watson® Studio Premium for IBM Cloud Pak for Data includes a powerful set of capabilities that are open by design and key to operationalizing data science. This suite of tools includes everything organizations need to build and deploy AI and machine learning (ML) models, accelerate data science projects and enable an end-to-end automated lifecycle. It's also one of the most unique enterprise AI offerings that enables organizations to predict and optimize business outcomes.

Increase productivity and empower business users with SPSS Modeler
With SPSS Modeler as part of Watson Studio Premium, you can not only dramatically increase the productivity of your data scientists, you can also empower citizen data scientists to derive value from the software. Its intuitive, drag-and-drop interface enables business users to collaborate with data scientists on the same platform, building, training and evaluating models without coding. And Data Refinery within SPSS Modeler dramatically speeds data prep, allowing users to cleanse and shape tabular data with a visual interface.
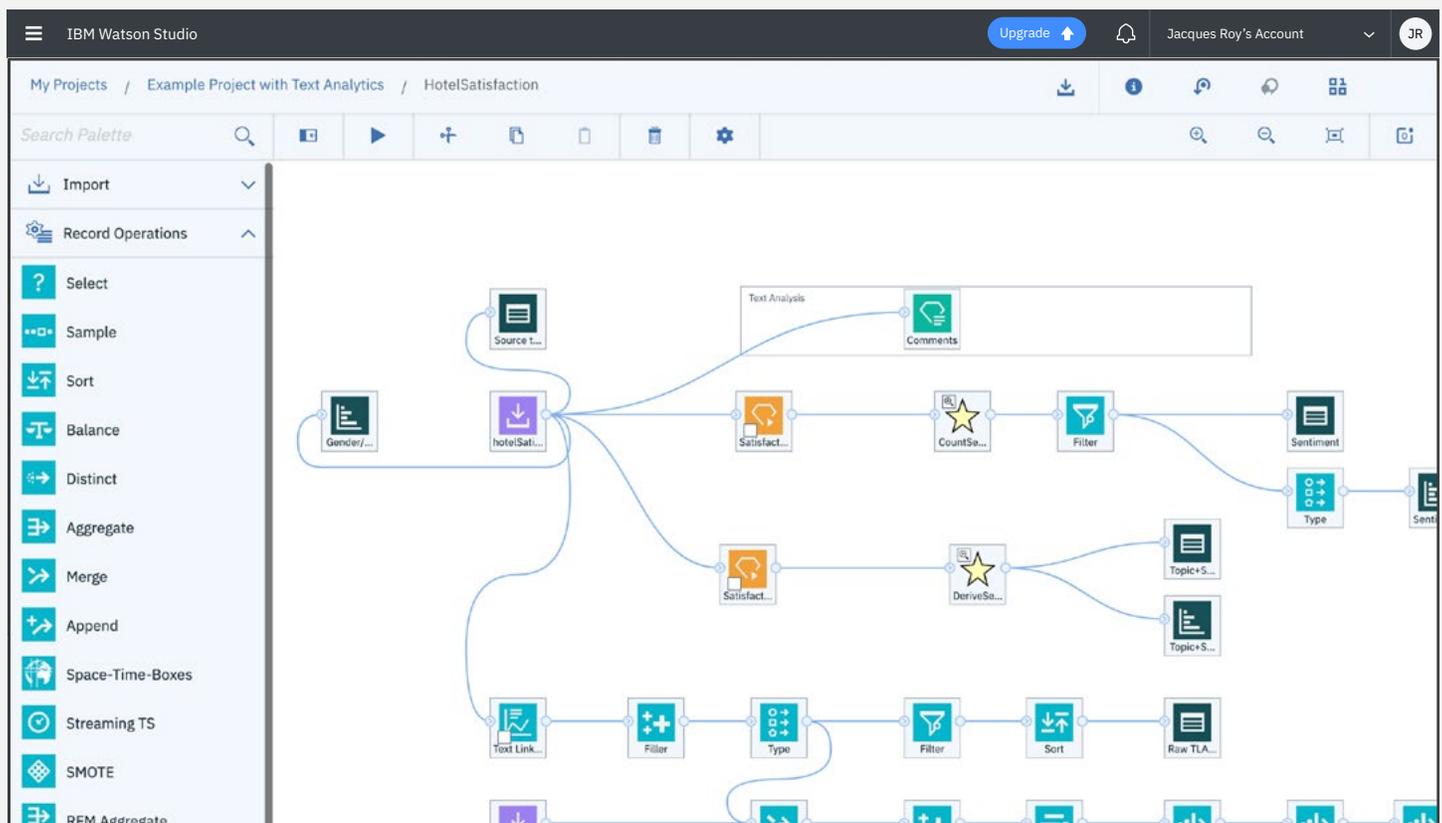

Figure 1. SPSS Modeler flow

Predict and optimize business outcomes with Decision Optimization

With Watson Studio Premium, you can drive better business outcomes by building predictive and optimization models within a unified environment. IBM Decision Optimization simplifies complex decisions involving multiple variables and accelerates creation of optimal plans and schedules. It includes tools like modeling assistant to easily build models using natural language, and powerful optimization solvers to speed time to decisions. It enables better collaboration across team members by providing visual dashboards and charts while also supporting multiple scenarios analysis.

Bring analytics to your data with Hadoop Execution Engine

Included as part of Watson Studio Premium, the Hadoop Execution Engine brings analytics closer to big data for safer and faster insight. This approach obviates the need to move data to where AI processing takes place. It can be configured for high availability and allows data scientists to explore, train and deploy models at scale with the distributed compute on Hadoop, helping to provide secure access to the data.

Better together

AutoAI, available as part of the base of the Cloud Pak for Data, is changing the way businesses approach AI. It dramatically speeds model selection while automating data prep, feature engineering and hyper-parameter optimization. In fact, AutoAI can help you automate data science projects by as much as 80 percent.

Watson Studio Premium adds powerful data gathering, model building and decision optimizing tools that not only make your teams faster and more productive but also allow you make the leap from predictive to prescriptive analytics.

Combined, you have a platform that can truly transform your business with AI.

Auto AI

See AutoAI in action with multiple videos and product tours →

IBM Watson Studio

Upgrade ⬆   🔔   Jacques Roy's Account ⌄   JR

Projects / Deply_WML / StaffPlan – Scenario 1

Scenario 1

Prepare data
2 tables

Run model
Modeling Assistant

Explore Solution

Visualization

Modeling Assistant

[Run model]

What type of decision do you want to optimize? Choose one of these domains.

Resource Assignment
You want to assign (or match) resources to jobs, events, places.

Scheduling
You want to manage tasks, activities, events… with a precedence order.

Selection and Allocation
You want to select items (or combinations) from the same table.

Supply and Demand Planning
You want to decide plant production, inventory and supply, per time period, to satisfy customer demand.

Don't see your type of decision? Code your model in Python or OPL.

💬   Not sure where to start? Use this question and answer guide.

Figure 2. Modeling Assistant allocates resources, optimizes schedules and accelerates supply-and-demand planning.

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to drive AI success

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