Data is the competitive differentiator that is driving innovation across all business verticals. Forrester suggests that insight-driven businesses will take $1.8 trillion from competitors that are not effectively using data to make insightful decisions. Regardless of industry vertical, actionable strategies are realized when multiple types of users within the business can access data, understand its value from insight found within it, and collaboratively solve business problems using this knowledge.

**Hardware Requirements**

**Desktop**
- (Windows 7 to 10)
- Quad Core x86-64 CPU, 2GHz or more, 8GB RAM

**Server**
- Linux (RHEL 6.x, 7.x & CentOS 6.x, 7.x)
- Quad Core x86-64 CPU, 2GHz or more, 8GB RAM

**One Experience. Many Features. Insightful Analytics.**

**Quality Data Visualization. Powerful Predictive Modeling. Better Decisions.**

Knowledge Studio is an open, flexible predictive analytics and machine learning platform designed for data scientists and business analysts alike. Data scientists who are experienced coding with R, Python or other languages can reduce or eliminate repetitive tasks while building sophisticated models using favored algorithms using Knowledge Studio’s intuitive and interactive visual interface. Less experienced users can quickly build out the multiple steps that are part of the data science lifecycle using wizards to complete a model's workflow.

**One interface**: Used to scale data science across the entire business, driving collaboration and governance as business analysts and data scientists work together to solve complex business problems.

**Connect to Data**: Connect to data regardless of source. (Structured, unstructured, cloud, open source languages and databases.)

**Visualize Data**: Quick and easy data mining is a core requirement for machine learning. Powerful data visualizations in Knowledge Studio allow users to quickly see variables in the dataset and detect any errors. It enables effective variable selection and provides efficient illustrations of required variable transformations. Visual predictive power statistics enable the user to narrow in on variables essential for machine learning and eliminate redundant variables in the modeling process.

**Model Data**: Find insight from data using 80+ code-free nodes and advanced modeling techniques. Includes: market basket analysis, regression models (e.g., linear, logistic,
constrained logistic, PLS), regularization, cluster analysis, multi-layer neural networks, decision trees, strategy trees, text analytics, and natural language processing. Other models are also supported.

**Make Better Decisions with Insight Found Using Knowledge Studio: Market-Leading Data Visualization**

**Decision Trees**
Viewed by analysts as a leader in visual profiling, Knowledge Studio Decision Trees lead the market in building and exploring segments and discovering relationships between variables. Trees can be exported into other programming languages for deployment in other analytical environments via automatic code generation. The flexibility when building the Decision Tree models allows for business knowledge and policies to be incorporated into model segments during the building process.

**Strategy Trees**
Knowledge Studio Strategy Trees enable predictive analytics to become prescriptive without the need to rely on generating complex code. With Strategy Trees, data scientists and business analysts can assign actions and treatments to predictive models to quickly compare numerous strategic plans and explore scenarios to evaluate the best approaches to resolving business challenges.

**Insight Down to the Customer Level: Predictive and Prescriptive Analytics Simplified**
Scorecards are used by credit lenders to ascertain the creditworthiness of borrowers and by marketers to better understand consumer interest in product or service offerings or in loyalty programs. Often there are thousands of different variables within datasets that are used to analyze the profiles of tens of thousands, hundreds of thousands or even millions of individuals. Knowledge Studio’s visual strength at scoring models sets it apart from other scorecard tools on the market today. Efficiently select the most predictive variables from thousands of candidate predictors, binning them and removing biases from the analysis. Optimize campaigns by testing scenarios, making changes to known constraints and objectives. Each stage of the buyer lifecycle can be assessed and optimized by incorporating analytics directly into business strategies.

Knowledge Studio’s end-to-end analytic modeling capabilities enable data science teams to create high-quality predictive and prescriptive analytic models. Using linked workflows, data scientists and business analysts can complete data preparation tasks, conduct profiling and segmentation analyses, and build models that solve complex business problems. Since no coding is required, the complexity often encountered with data science is replaced with an efficient approach to monetize insight found within data.

**Customer quote**
“I do my work two to three times faster in Angoss, than if I were using R or Python. We find it amazing with the many visualizations and graphic capabilities. Knowledge Studio has given us significant lift, in terms of our abilities to find insight from our data. It’s a significant improvement on our previous tools. Since we started using Knowledge Studio the results we are now seeing are incredible.”

**Risk Analytics, TD Bank**

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We are often asked – “Why Knowledge Studio?”

Our answer – Built for data scientists and business analysts, market-leading visual features, efficient data transformation, sophisticated predictive models including sentiment analysis and neural networks, score multiple models created from different programming languages side by side, in real time. All in one interface.