The Analytics Features of SQL Server 2016

How to gain fast, actionable insights

Insight.

Microsoft

Analyze and manage big data.

Although big data is transforming how businesses operate and grow, taking advantage of its full potential is an ongoing challenge. According to IDC, companies will spend $187 billion on big data and analytics solutions by 2019 in an effort to realize the true value of their data assets.[1]

Offering advanced analytics capabilities, Microsoft® SQL Server® 2016 will help you uncover hidden opportunities that are waiting to be discovered in your organization's data.

Meaningful data wouldn't benefit your organization if it came at the expense of your company's security — SQL Server 2016 ensures users have safe access to big data. With powerful visuals and effective sharing features, your team will be able to leverage all of your organization's data and generate actionable insights with access to:

- A common set of tools
- Tabular models
- R Services (In-Database)
- JSON & PolyBase support

Insight offers extensive end-to-end technical services around Microsoft solutions to help businesses run smarter. Discover four ways SQL Server 2016 can help your company leverage the power of big data.

Query across numerous data sources.

Business users and developers alike can easily take advantage of data. In an effort to provide all users with a greater understanding of data, one barrier Microsoft has removed is the location restriction for data access. With the ability to retrieve data on myriad devices, employees can gain instant access from wherever they are.

View data on the go.

Mobile reports are now part of the new Reporting Services in SQL Server 2016. Anyone can generate quick mobile reports, highlighting data in grids, charts and other rich visuals. Filter data by time, date, location or custom values. Access these reports online or offline.

Share reports however you see fit.

Once the report is created and published, users can share them with anyone from a few teammates to thousands of employees. Reports can be shared via email and accessed by a variety of devices — it's up to you.

Combine structured and unstructured data.

Data that used to be incongruent without restructuring can now communicate with each other. From customer records to live data feeds in Hadoop®, query across structured and unstructured data in SQL Server® 2016.

Developers used to have to migrate and restructure data if an organization wanted to gain business intelligence from multiple sources, which was often a time-consuming and expensive endeavor. With PolyBase, a new feature in SQL Server 2016, you can query across all data sources — and no code changes are required.

The ease of use is just as powerful as the technology. Users can consume the data on their devices and apps without needing to understand how to manage the database.

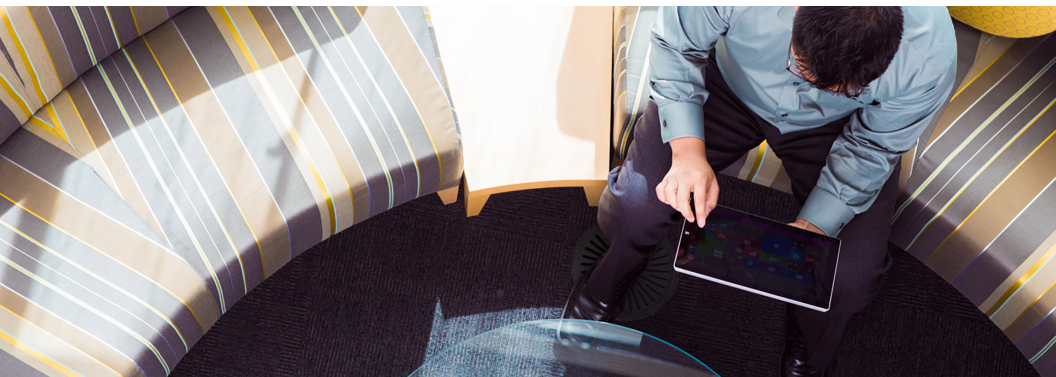# Customize predictive analytics algorithms.

SQL Server R Services give you the ability to develop your own predictive analytics algorithms directly in your database with the open-source R language. With this impactful feature, you can take your business intelligence to greater heights.

Keep things close.

Gain an advantage with analytics that are close to your data. Because R Services live in your company's database and data doesn't need to move around, you can reduce security risks and expenses.

Transform business analytics.

With the R language, SQL Server morphs from a data source into an innovative, complex enterprise analytics system. R is the language of statisticians and data scientists, and thanks to its integration in SQL Server 2016, your company can take advantage of powerful analytics capabilities.

Leverage familiar tools and build your own.

With SQL Server® 2016, developers can now use Visual Studio® to develop applications. SQL Server Data Tools (SSDT), a free resource available for download, can be used to build Analysis Services data models, Azure® SQL databases, Integration Services packages, Reporting Services reports and SQL Server relational databases.

You can upload files using the desktop Reporting Services portal, connect the Power BI™ mobile app to a Report Server and take advantage of the complete scope of the Power BI dashboard.

Why Insight for Microsoft SQL Server?

Insight is Microsoft's largest global partner and has been providing Microsoft® solutions for more than 25 years. We put Microsoft at the center of our end-to-end strategy to help businesses run smarter. We collaborate to deliver Intelligent Technology Solutions™ that meet your strategic business needs and optimize your technology investments.

- Microsoft Gold Partner — 14 Gold competencies
- Microsoft Excellence in Operations Award
- 1,400+ consulting and service delivery professionals
- Top 1% of all Microsoft partners
- Flexible licensing options

About Insight

From business and government organizations to healthcare and educational institutions, Insight empowers clients with Intelligent Technology Solutions™ to realize their goals. We provide the guidance and expertise needed to select, implement and manage complex technology solutions to drive business outcomes.

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¹ Olavsrud, T. (2016, May 24). Big Data and Analytics Spending to Hit $187 Billion. Cio.com.