Gartner considers graph analytics a top 10 data and analytics technology trend:

“The application of graph processing and graph databases will grow at 100% annually through 2022 to continuously accelerate data preparation and enable more complex and adaptive data science.”

Gartner, Top 10 Data and Analytics Technology Trends That Will Change Your Business, Rita Sallam et al., April 11, 2019

“The number of use cases is increasing with the need for complex analysis. They range from fraud detection to customer influencer networks, through to social networks and semantic knowledge graphs. Conversational analytics, health advisors, financial crimes and risk detection can also leverage graph capabilities.”

Gartner, Top 10 Data and Analytics Technology Trends That Will Change Your Business, Rita Sallam et al., April 11, 2019

Graph analytics also supports the creation of emergent metadata management and data catalogs. It does so by capturing all of the knowledge about what data you have, where it resides, how it is all related, who uses it, why, when and how. That insight can be leveraged by ML models to make recommendations to provide more personalized, automated and properly governed insights to the business and its applications.”

Gartner, Top 10 Data and Analytics Technology Trends That Will Change Your Business, Rita Sallam et al., April 11, 2019

“The hype about graph DBMSs has revolved around ad hoc discovery of relationships, but the majority of graph use cases still involve data for which relationships are already defined. Graph DBMSs will increasingly be used to navigate these existing and newly discovered relationships more efficiently than their relational counterparts.” Neo4j was listed as a Sample Vendor for Graph DBMS.

Gartner, IT Market Clock for Database Management Systems, Donald Feinberg et al., April 15, 2019
Neo4j is a popular NoSQL graph database that supports many use cases...Customer references like its native storage and processing of graph data models and its full ACID-compliant, flexible data models, and high performance for connected data. Customers often use it for real-time recommendations, AI, graph-based search, social networking, IoT analytics, fraud detection, and master data management.”

The Forrester Wave™: Big Data NoSQL, Q1 2019: The 15 Providers That Matter Most And How They Stack Up

Neo4j is the clear market leader in the graph space. It has the most users, it uses a widely adopted language (not just by Neo4j but also many other suppliers of graph databases) that is much easier to use than Gremlin and, in many respects, it has consistently been a lot more innovative than its competitors. This is in part because of the maturity of the product and partly because its success has meant that it has the resources to introduce such developments more quickly. It is, in effect, the Oracle or SQL Server of the graph database world.

Bloor Research, Neo4j in Brief, March 2019

Neo4j is the leading graph database platform that drives innovation and competitive advantage at Airbus, Comcast, eBay, NASA, UBS, Walmart and more. Hundreds of thousands of community deployments and more than 300 customers harness connected data with Neo4j to reveal how people, processes, locations and systems are interrelated.

Using this relationships-first approach, applications built using Neo4j tackle connected data challenges including artificial intelligence, fraud detection, real-time recommendations and master data. Find out more at Neo4j.com.