

# Gartner – Knowledge Graphs Emerge in the HypeCycle

Gartner Identifies Five Emerging Technology Trends That Will Blur the Lines Between Human and Machine

Gartner's HypeCycle report is now acknowledging Knowledge Graphs, a market area that Franz has been leading with AllegroGraph.

Gartner's Press Release

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## How AI Boosts Human Expertise at Wolters Kluwer

On balance, there will be some jobs lost to artificial intelligence, and you can also expect AI to create other jobs. But at the global information services company Wolters Kluwer, AI is being infused into expert systems in a bid to augment lawyers, accountants, and other professionals with superior decision-making abilities.

The 180-year-old company originally encapsulated its knowledge and recommendations for specific professional domains in books, but today it has largely made the transition to digital technologies. The 180-year-old company originally encapsulated its knowledge and recommendations for specific professional domains in books, but today it has largely made the transition to digital technologies.

Thousands of companies around the world rely on Wolters Kluwer's practice management software to automate core aspects

of their businesses. That includes doctor's offices that use its software make healthcare decisions in a clinical setting, corporate law offices that use its software to understand M&A activities, and accounting firms that use its software to craft tax strategies for high net-worth clients.

The dispensation of expert advice has always been Wolters Kluwer's business model, whether through books stuffed with actuarial tables or through hand-written rules carefully coded into its software. So it's no surprise that the company today is turning to powerful AI technology to take its expert systems to the next level...

*"We're providing this live feedback. As you're typing, we're providing question and suggestions for you live," said Greg Tatham CTO Global Platforms. "AllegroGraph gives us a performant way to be able to just work our way through the whole knowledge model and come up with suggestion to the user in real time."*

To read the full article, see [here](#)

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## The Cornerstone of Data Science: Progressive Data Modeling

One of the direct consequences of the increasing diversity of today's data landscape is the growing complexity of data modeling. Organizations are consistently broadening their array of data sources, incorporating more structures, formats, and types of data in order to maintain competitive advantage.

However, such diversification can considerably exacerbate the data modeling process—particularly for those still relying on typical relational methods. Each time business requirements change or additional sources are added, data modelers must recalibrate the underlying schema for repositories or applications. This recurring cycle considerably delays time to value.

Read the full article over at [AI Business](#).

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## **Optimizing Fraud Management with AI Knowledge Graphs**

The scope of fraud management for financial crimes has reached global proportions. Financial service organizations are contending with measures for Anti-Money Laundering (AML), Suspicious Activity Reports (SAR), counterfeiting and social engineering falsities, as well as synthetic, first-party, and card-not-present fraud. Such activities have spanned national and international borders.

The visual capabilities of graph analytics are ideal for monitoring, categorizing, and predicting threats to maximize prevention efforts. Graph techniques such as cluster analytics enable fraud management teams to visualize the distribution and acuteness of specific actors or fraud instances...

To read the full article, see [here](#)

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# **International Semantic Web Conference – ISWC 2018 – Franz Inc. is a Platinum Sponsor**

The premier international forum for the Semantic Web and Linked Data Community. October 8-12, Asilomar Conference Grounds, Monterey California.

Knowledge Graph Solutions in Healthcare for Improved Clinical Outcomes. Join us in October – #ISWC2018 <https://buff.ly/2x2GBWy> @MontefioreNYC #KnowledgeGraph #GraphDatabase #MachineLearning #RDF #SemanticWeb

For additional information, see [here](#)

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## **IEEE Publication – Transmuting Information to Knowledge with an Enterprise Knowledge Graph**

The enterprise knowledge graph for entity 360-views has emerged as one of the most useful graph database technology applications when buttressed by W3C standard semantic technology, modern artificial intelligence, and visual discovery tools. Read this IEEE publication by Dr. Jans Aasman to learn more about Knowledge Graphs.

For additional information, see [here](#)

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## **Franz Inc. named to the DBTA 100 – The Companies That Matter Most in Data**

The world of data management is constantly changing. The DBTA 100 recognizes vendors who are evolving with the times and leading the charge to address new opportunities and requirements. Embracing the old and new, well-established and cutting edge, this fifth annual DBTA 100 list spotlights the companies that are dealing with evolving market demands through innovation in software, services, and hardware. The list includes long-established IT companies and newer upstarts anxious to shake up the data management space. Each year, the DBTA 100 presents “View from the Top” articles by company executives explaining how their organizations are uniquely addressing the data challenges of today—and tomorrow.

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## **InfoWorld – How enterprise knowledge graphs can proactively reduce risk**

Incorporating knowledge graphs with artificial intelligence offer newfound ability to seek out data security threats

instead of simply reacting once noncompliance or data losses occurs

Enterprise knowledge graphs are the foundation for the rapid integration and analysis of all data types for any specific risk management purpose. They enable organizations to collate data according to domain, yet contextualize data *between* domains for increased understanding of specific domain threats.

Read the full InfoWorld article

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## Graph Day SF 2018

Join us for Graph Day on September 15.

**Dr. Jans Aasman, CEO, Franz Inc. will present:**

### **Navigating Time and Probability in Knowledge Graphs**

The market for knowledge graphs is rapidly developing and evolving to solve widely acknowledged deficiencies with data warehouse approaches. Graph databases are providing the foundation for these knowledge graphs and in our enterprise customer base we see two approaches forming: static knowledge graphs and dynamic event driven knowledge graphs. Static knowledge graphs focus mostly on metadata about entities and the relationships between these entities but they don't capture ongoing business processes. DBPedia, Geonames and Census or Pubmed are great examples of static knowledge.

The presentation will cover three use cases and live demos showing the confluence of knowledge via machine learning, visual querying, distributed graph databases, and big data not only displays links between objects, but also quantifies the

probability of their occurrence

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# **Franz and Semantic Web Company Partner to Create a Noam Chomsky Knowledge Graph**

Franz Inc., an early innovator in Artificial Intelligence (AI) and leading supplier of Semantic Graph Database technology, AllegroGraph, for Knowledge Graphs, and Semantic Web Company, developers of the PoolParty Semantic Suite and leading provider of Semantic AI solutions, announced a partnership to develop the Noam Chomsky Knowledge Graph. This project is the first aimed at connecting all the works from a public figure and turning the linked information into a searchable and retrievable resource for the public.

The Noam Chomsky Knowledge Graph project will organize and semantically link the vast knowledge domain surrounding Noam Chomsky, the founder of modern linguistics, a founder of cognitive science, and a major figure in analytic philosophy as well as an American linguist, philosopher, historian and social critic. Chomsky is currently an Institute Professor Emeritus at the Massachusetts Institute of Technology (MIT) and laureate professor at the University of Arizona. He has received many awards including Distinguished Scientific Contribution Award of the American Psychological Association, the Kyoto Prize in Basic Sciences, the Helmholtz Medal, the Dorothy Eldridge Peacemaker Award, and the Ben Franklin Medal in Computer and Cognitive Science.

“Noam Chomsky is one of the most brilliant minds of our generation,” said Fred Davis. Executive Director of the

Chomsky Knowledge Graph project, “His body of work is tremendously valuable to people across many disciplines. Our goal is to make Chomsky’s work searchable in the context of topics and concepts, readable in excerpts, and easily available to journalists, scientists, technologists, students, philosophers, and historians as well as the general public.”

The Noam Chomsky Knowledge Graph will link to over 1,000 articles and over 100 books that Chomsky has authored about linguistics, mass media, politics and war. Hundreds of Chomsky’s media interviews, which aired on television, print and online will be part of the Knowledge Graph as well as more than a dozen Chomsky movies including: Is the Man who is Tall Happy?, Manufacturing Consent, Programming the Nation? Hijacking Catastrophe: 911 Fear and the Selling of American Empire. The content will be made available by searching the Knowledge Graph for specific titles, related topics and concepts.