

# Venture Beat Features Montefiore's Healthcare project with AllegroGraph

From VentureBeat August 2018

**This article discusses Montefiore's PALM project that uses AllegroGraph:**

*Montefiore is one of the largest employers in New York State. It's also one of the busiest health care complexes – hundreds of thousands of patients pass through its sprawling campuses, which include Montefiore Medical Center, the Albert Einstein College of Medicine, and Montefiore Medical Park.*

*Those logistical challenges catalyzed the development of Montefiore's Patient-centered Analytical Learning Machine (PALM), a machine learning platform built from the ground up to predict and prevent life-threatening medical conditions and minimize wait times.*

*PALM juggles lots of datasets – electronic medical records, insurance billing codes, drug databases, and clinical trial results, to name a few. And its analytical models recently expanded to handle voice, images, and sensor inputs from internet of things devices.*

*Core to the semantic graph model are triplestores, which are a type of database optimized for filing away and retrieving triples. They're an entity composed of subject-predicate-object – "John has tuberculosis," for example – which PALM builds dynamically, as needed. Along the way, the system uses a frame data language, or FDL, to resolve ambiguities, like when some electronic records refer to medication by its brand instead of by its scientific name (e.g., "Advil" or "Motrin" instead of ibuprofen).*

Read the full article over at Venture Beat.

---

# Transmuting Machine Learning into Verifiable Knowledge

From AI Business – August 2018

**This article covers machine learning and AI:**

*According to Franz CEO Jans Aasman, these machine learning deployments not only maximize organizational investments in them by driving business value, but also optimize the most prominent aspects of the data systems supporting them.*

*“You start with the raw data...do analytics on it, get interesting results, then you put the results of the machine learning back in the database, and suddenly you have a far more powerful database,” Aasman said.*

*Dr. Aasman is further quoted:*

*For internal applications, organizations can use machine learning concepts (such as co-occurrence—how often defined concepts occur together) alongside other analytics to monitor employee behavior, efficiency, and success with customers or certain types of customers. Aasman mentioned a project management use case for a consultancy company in which these analytics were used to “compute for every person, or every combination of persons, whether or not the project was successful: meaning, done on time to the satisfaction of the customer.”*

*Organizations can use whichever metrics are relevant for their businesses to qualify success. This approach is useful for determining a numerical rating for employees “and you could put that rating back in the database,” Aasman said. “Now you can do a follow up query where you say how much money did I make on the top 10 successful people; how much money did I lose on the top 10 people I don’t make a profit on.”*

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

---

## Allegro Knowledge Graph News

Franz periodically distributes newsletters to its Semantic Technologies, and Common Lisp based Enterprise Development Tools mailing lists, providing information on related upcoming events and new software product developments.

Read our latest AllegroGraph newsletter.

Previous issues are listed in the [Newsletter Archive](#).

---

## AllegroGraph News

Franz periodically distributes newsletters to its Semantic Technologies, and Common Lisp based Enterprise Development

Tools mailing lists, providing information on related upcoming events and new software product developments.

---

# **Tim Berners-Lee – “The Next Web” – TED Presentation**

In 2009 Tim Berners-Lee presented his vision of the Semantic Web. Here is his visionary TED Talk