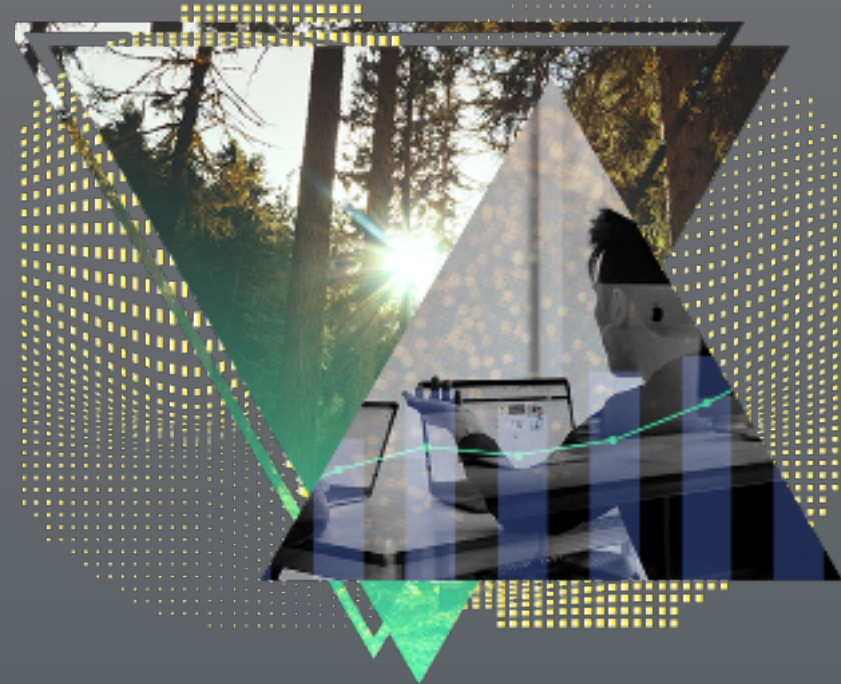


Graph and AI Can Help Accelerate Your Digital Transformation Strategy

Noel Yuhanna

Vice President, Principal Analyst



Digital transformation continues to be a top priority for global enterprises . . .



“What are the top business requirements driving your company’s digital transformation needs?”

(Top 11 responses only)



Base: 101 global financial services professionals

Source: Forrester’s Q3 2019 Global Financial Services Architecture Survey

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Customer experience and operational efficiency are top drivers of digital transformation.

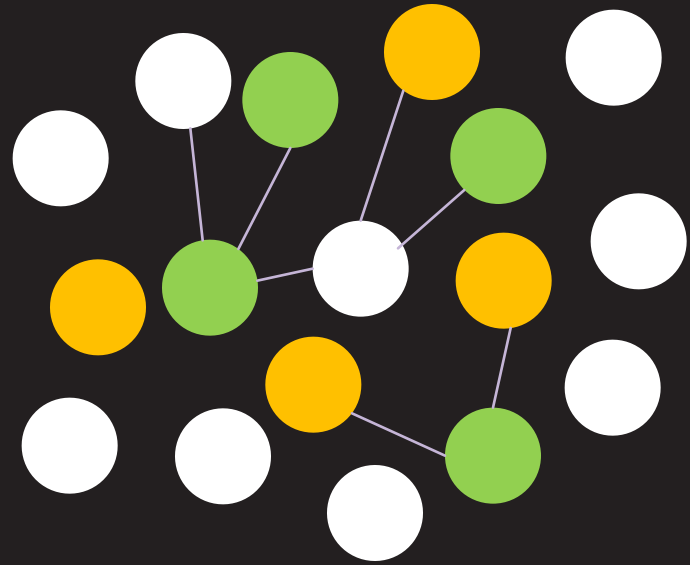


Cloud

Graph

AI

Digital transformations must be powered by new generation solutions to remain competitive ...

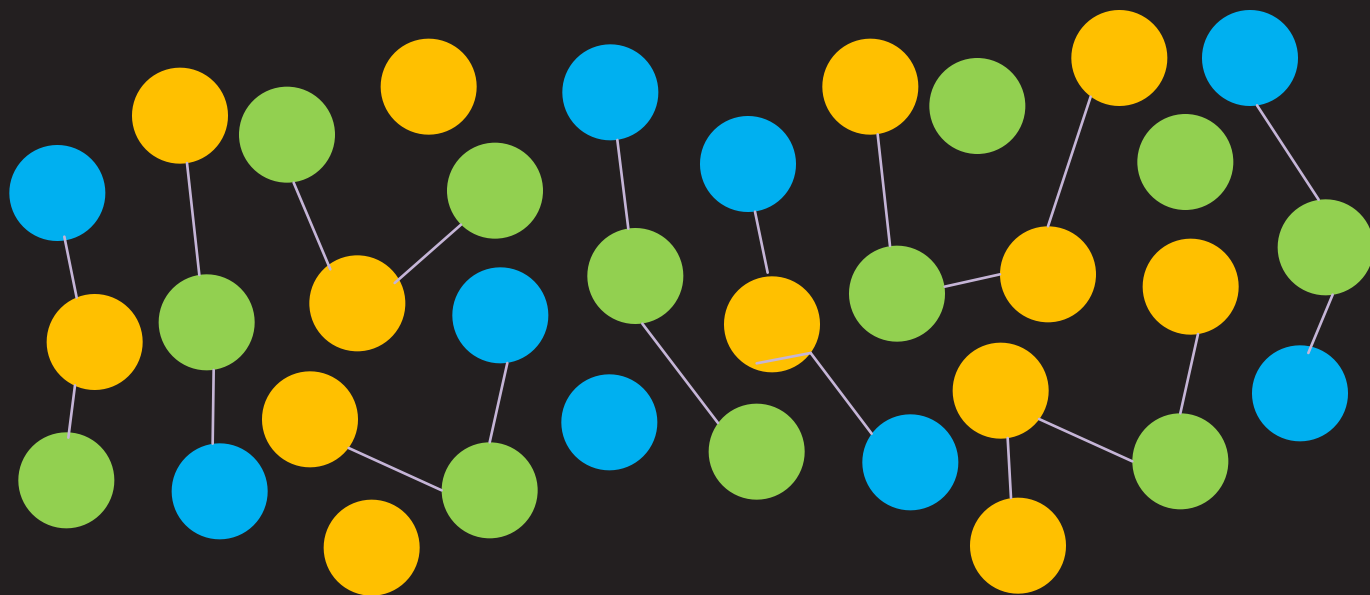


Creating data
connections can be
very complex and
time consuming!

Ingest

Data sources





Graph simplifies
data connections
at scale

Ingest





Graph delivers contextualization to support new digital transformation initiatives...

Why use Graph Database?

- **Make connections quickly and more accurately:** For new and emerging business use cases
- **Data analysis performance:** Takes query, insights and predictive analytics to the next level
- **Uncover hidden connections:** In data science, and advanced analytics
- **Improve staff productivity:** With minimal coding and more analysis
- **Address new business needs:** Integrates with AI/ML to deliver new business use cases.

The top benefits of **Graph** are aligned with the top business requirements of digital transformations.

- **Improve customer experience.**
- Increase automation of internal processes.
- Improve operational efficiency and effectiveness.
- Increase employee productivity.
- Improve existing products and services.

Note: Top five responses are shown. “Don’t know,” “other,” “none of these, and “we are not using artificial intelligence (AI) technologies” responses were excluded.
Base: 3,139 data and analytics decision makers whose firm is interested in using/planning to use/currently using AI; Source: Forrester Analytics Global Business Technographics® Data And Analytics Survey, 2019



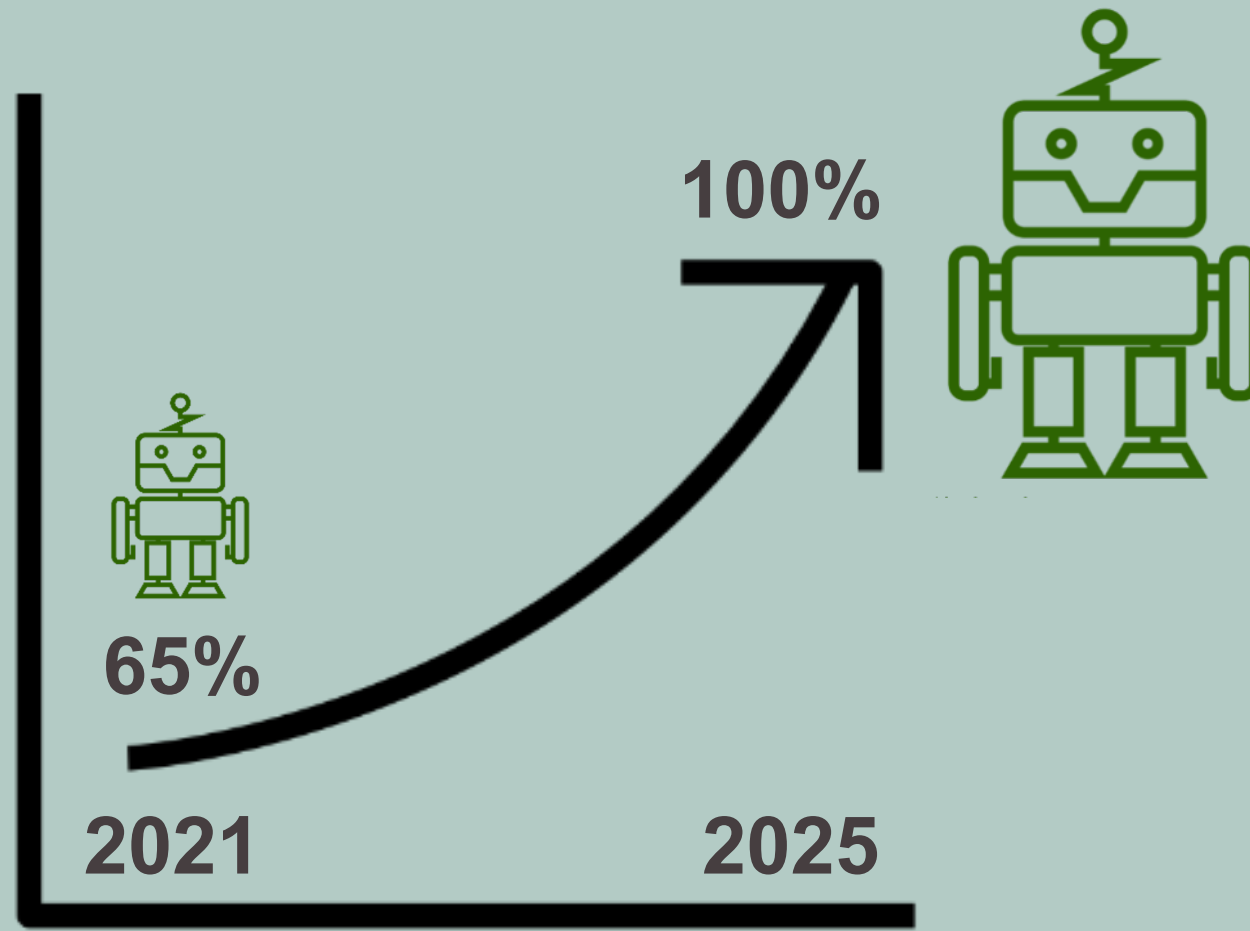
AI is real and ready ... organizations are leveraging it for all kind of use cases...



. . . enterprises use it today to create millions in value even with single use cases.



. . . there are five, 50, 500, and 5,000 enterprise use cases yet to be implemented with AI.



We estimate that nearly 100% of enterprises will use AI within the next four years . . .

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However data is a huge prerequisite to AI success!

A photograph of a white semi-truck stopped at a toll booth. A white barrier with red diagonal stripes is lowered across the truck's path. In the background, a red crane is visible on the left, and a hillside with many small houses is in the distance. The scene is framed by the dark metal structure of the toll booth on both sides.

Data represents physical events.



Data represents digital events.



Data represents customer events.



Data represents market events.

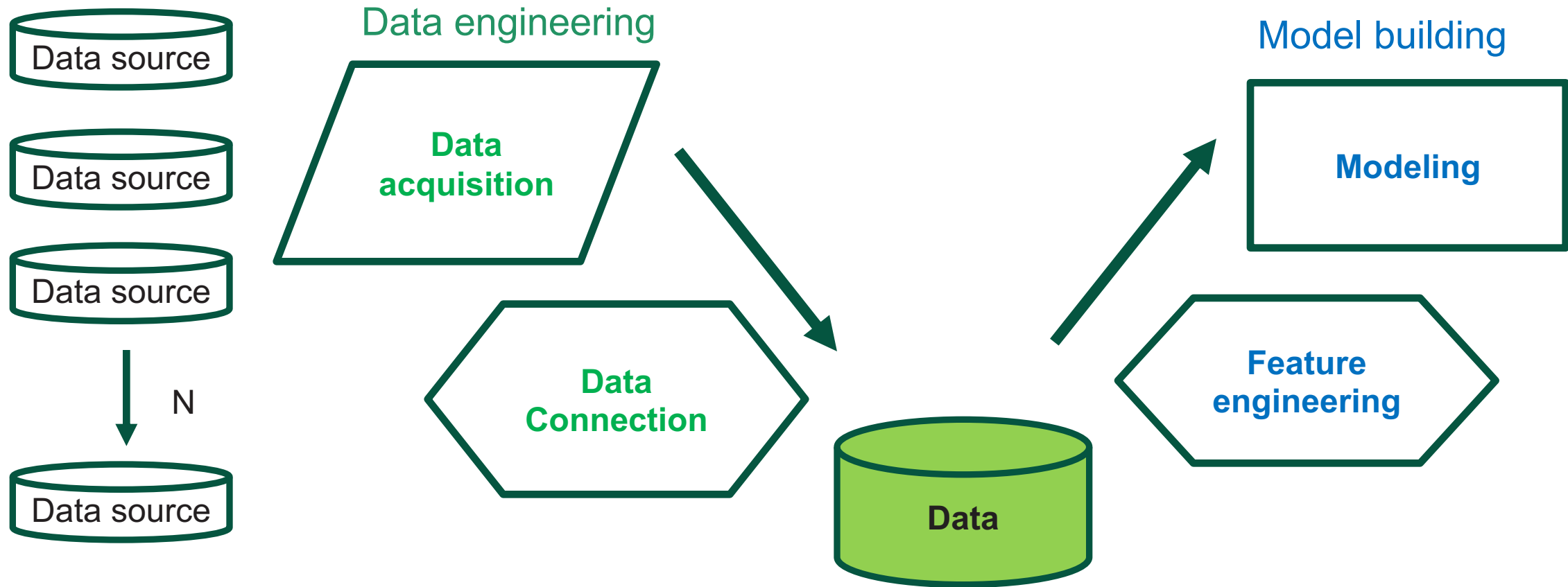
A close-up photograph of a person's hand, wearing a dark blue suit jacket and a white shirt, carefully balancing a wooden block on a tall, wobbly tower of other wooden blocks. The tower is made of light-colored wood and is precariously balanced. The background is dark and out of focus.

Data represents business events.



... however, messy data without Context can dramatically slow the AI process

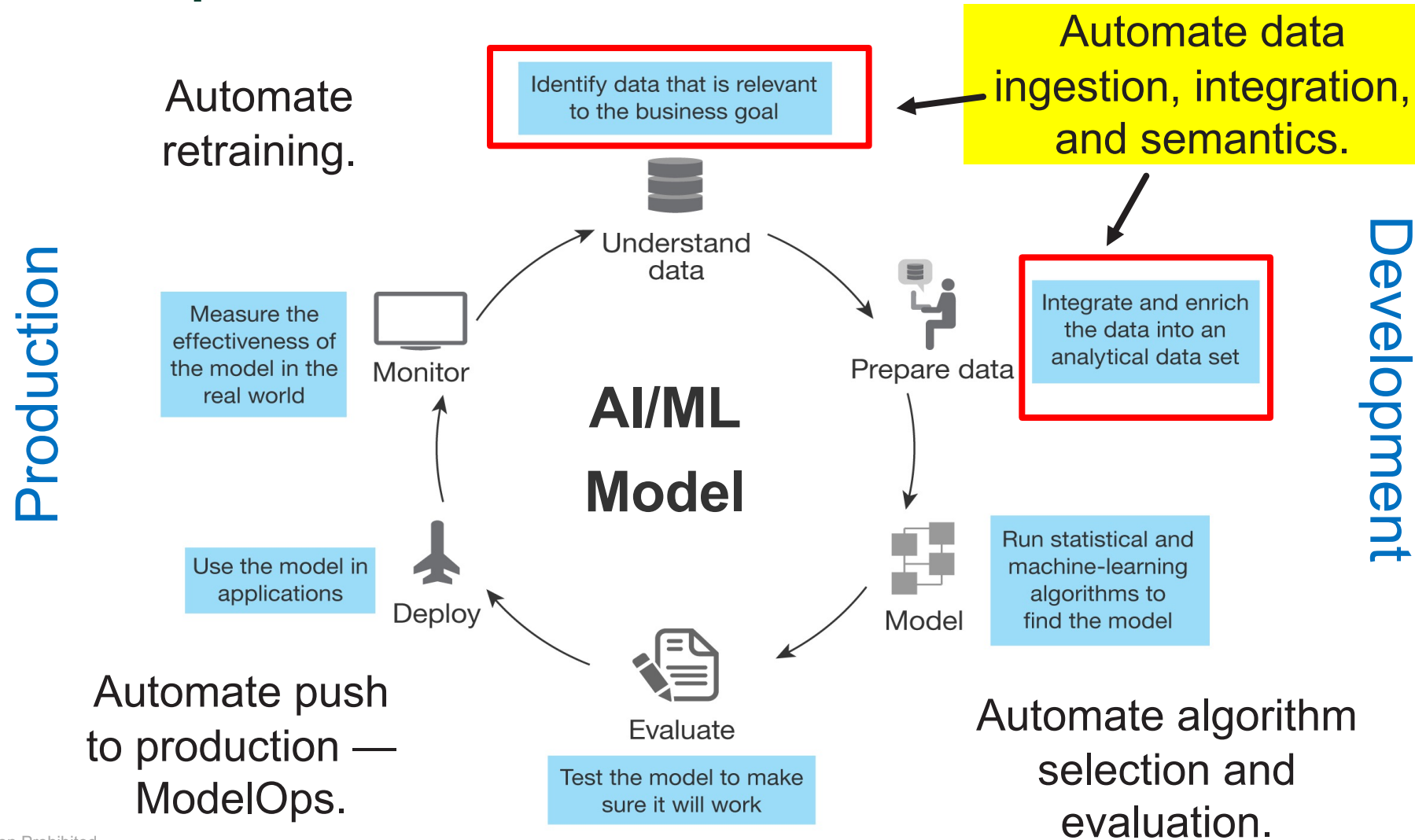
Separate data engineering tasks from ML model building tasks to make model building faster, more focused on business use cases

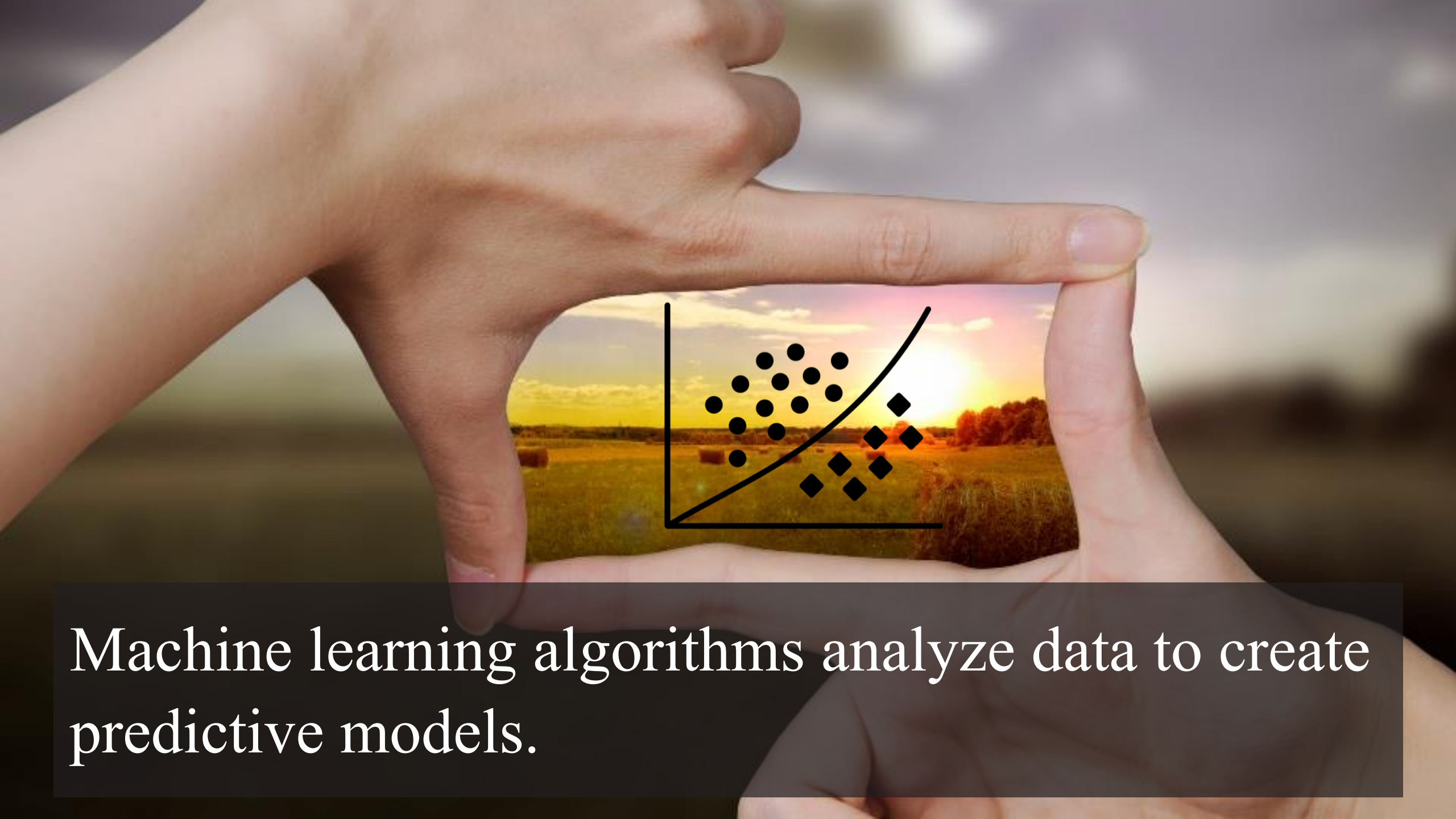




Algorithms get all
the press, but it's all
about data that leads
to AI success!

The AI model building lifecycle is an iterative and continuous process And it all starts with data!





Machine learning algorithms analyze data to create predictive models.

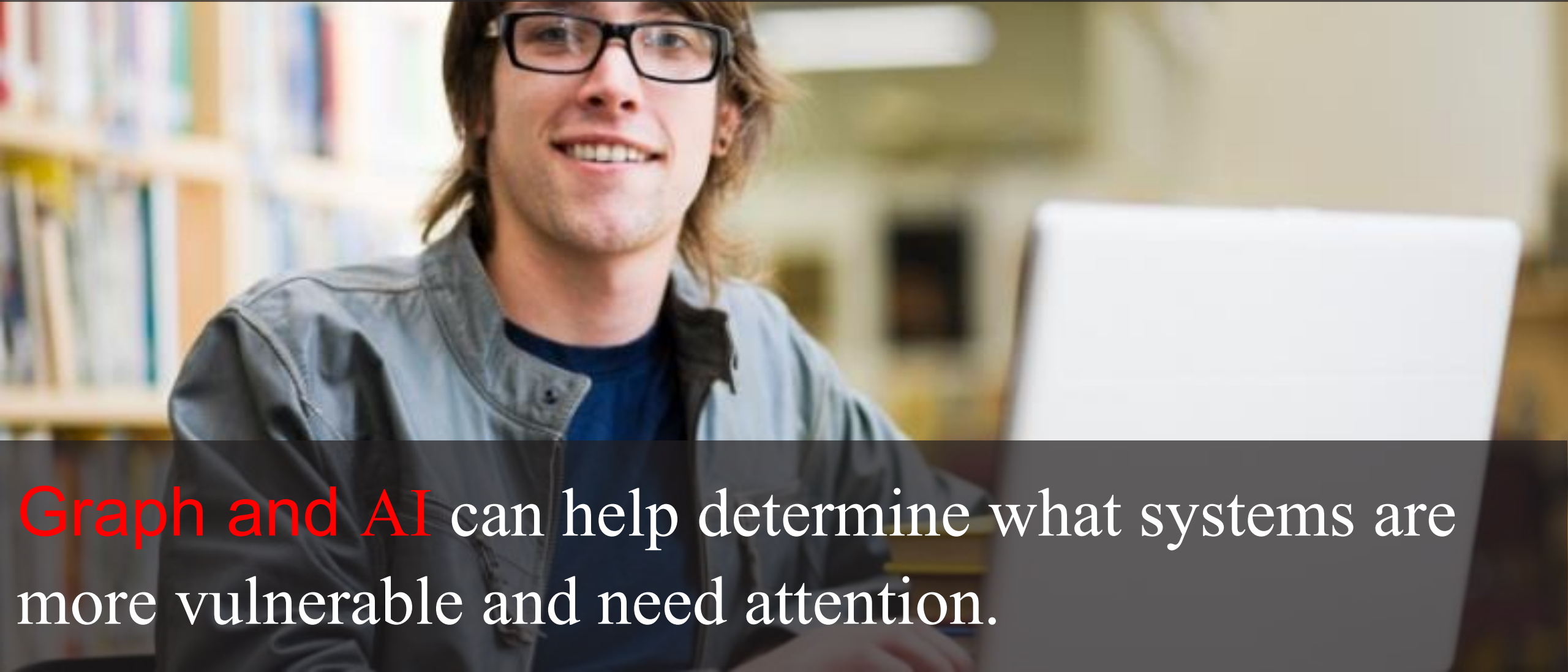
ML can help predict supply chain issues while there is still time to remediate.



Graph and AI can help determine which shipments to prioritize and where to reroute to.



ML can help predict who will launch what cyberattack before it happens.



Graph and AI can help determine what systems are more vulnerable and need attention.

ML can help predict customers likely to churn.



Graph and AI can determine the best way to retain customers and improve customer experience.

ML can help predict machine faults before they shut down the production line.

Graph and AI can help determine when to shut the production line down to minimize cost and deliver best business performance.

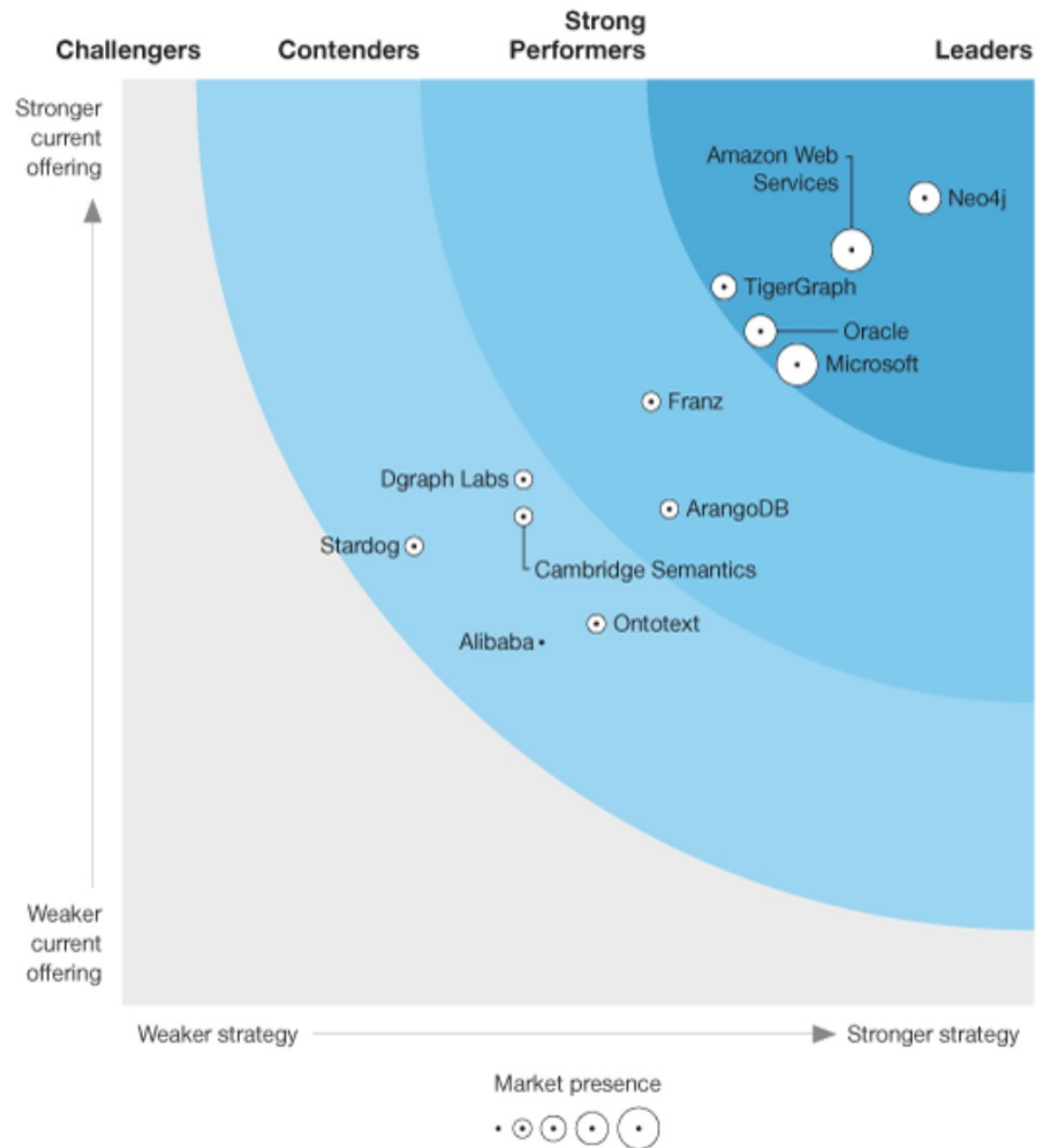


Graph data platform market has exploded over the past two years – with many solutions...

THE FORRESTER WAVE™

Graph Data Platforms

Q4 2020



Forrester first ever
Graph data platform
Wave, Q4 2020!



Graph data platform takes AI/ML to the next level! ...
invest in it and make it part of your digital
transformation strategy to gain competitive edge!

Thank You.

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