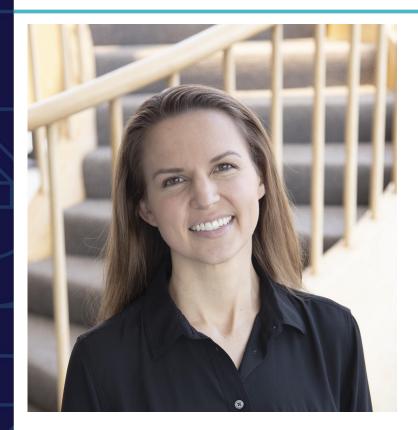
# Creating Knowledge Graphs via a Symbiosis of Data Science and Data Engineering

Maureen Teyssier Chief Data Scientist

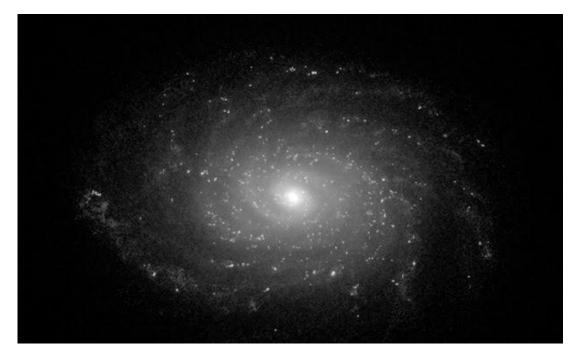


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## About Me (Maureen)



- 5 years in the startup space
- > 10 years running cosmological simulations





# How do humans interact with these physical structures?

# Work/Rent Own Build or Fix Manage or Maintain Component of a larger picture

and a second sec

And a second sec

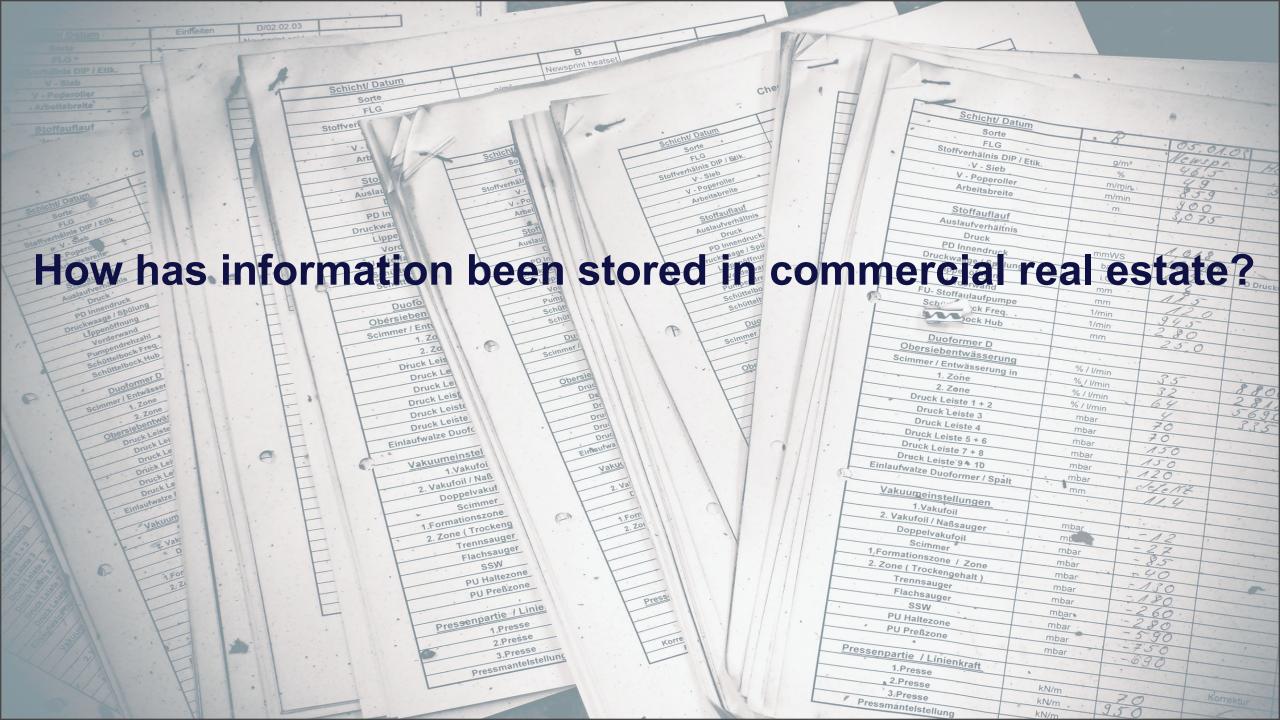
How do humans interact with these physical structures?

Work/Rent Own Build or Fix Manage or Maintain Component of a larger picture

What information is necessary to support human interactions?

Property/Structure Property History People Company

**Property Intelligence** 



# How do humans interact with these physical structures?

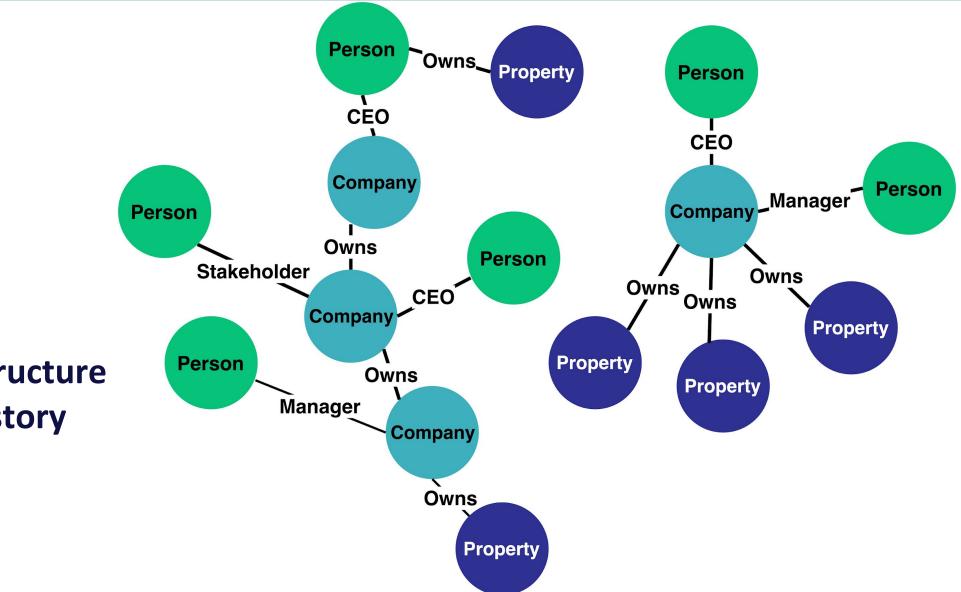
Work Own Build or Fix Manage or Maintain Component of a larger picture

What information is necessary to support human interactions?

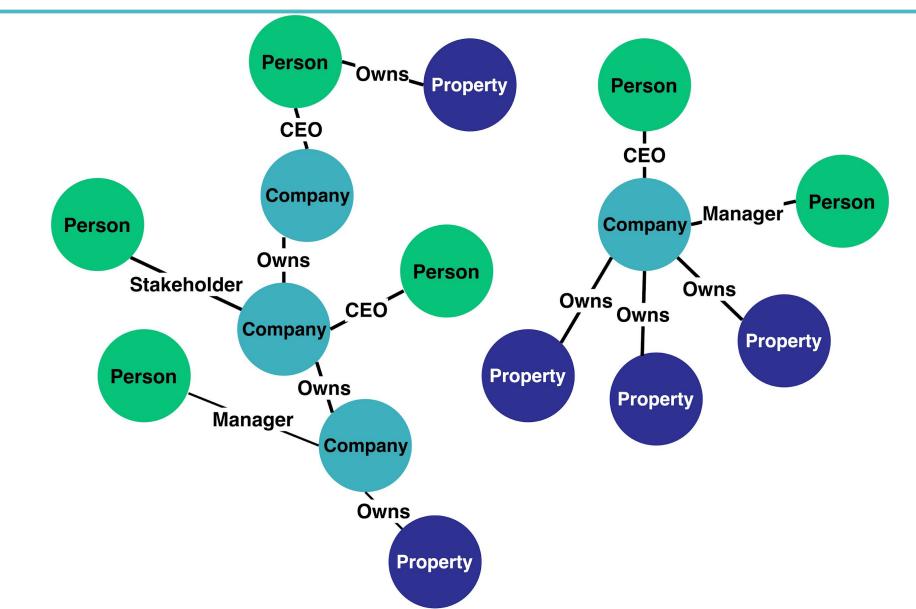
Property/Structure Property History People Company

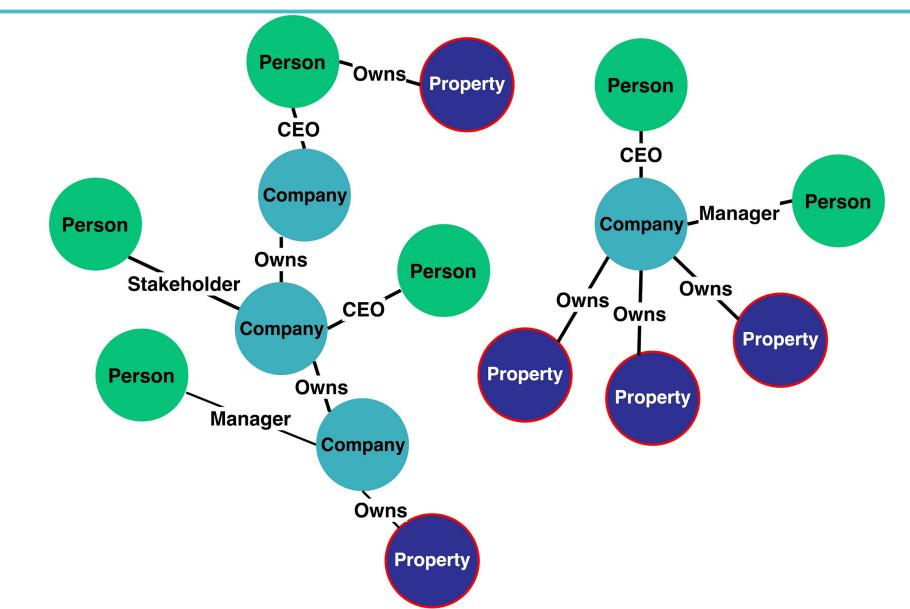
**Property Intelligence** 

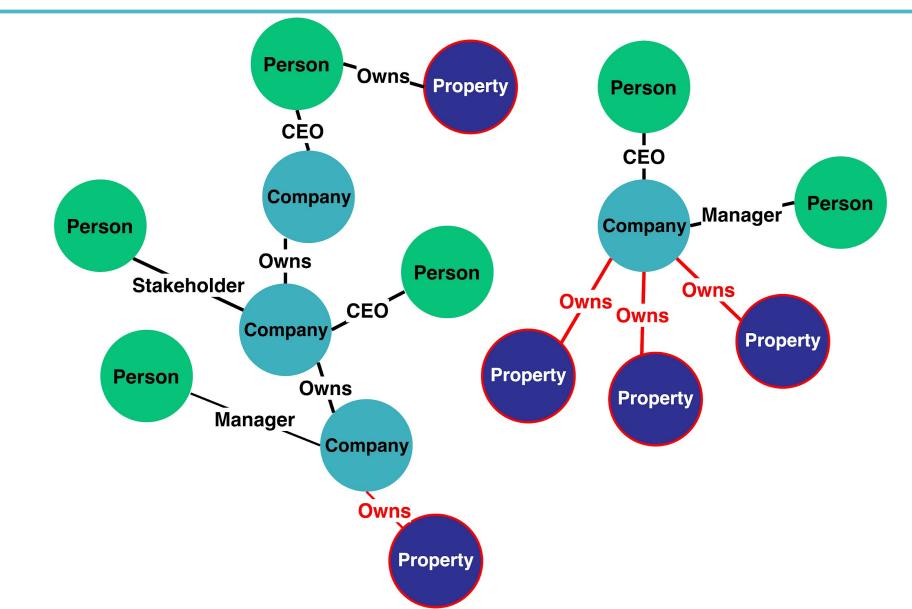
#### Structures that can support Property Intelligence

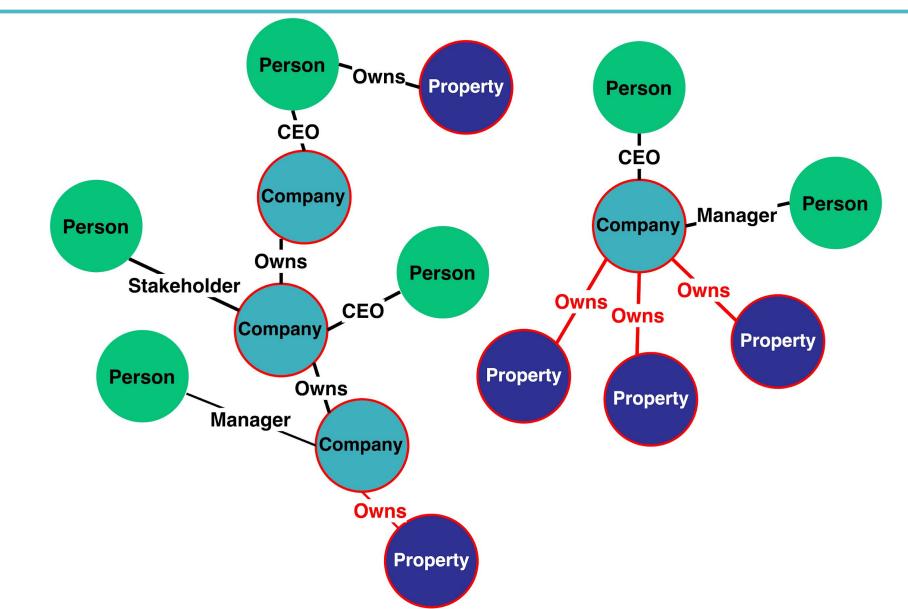


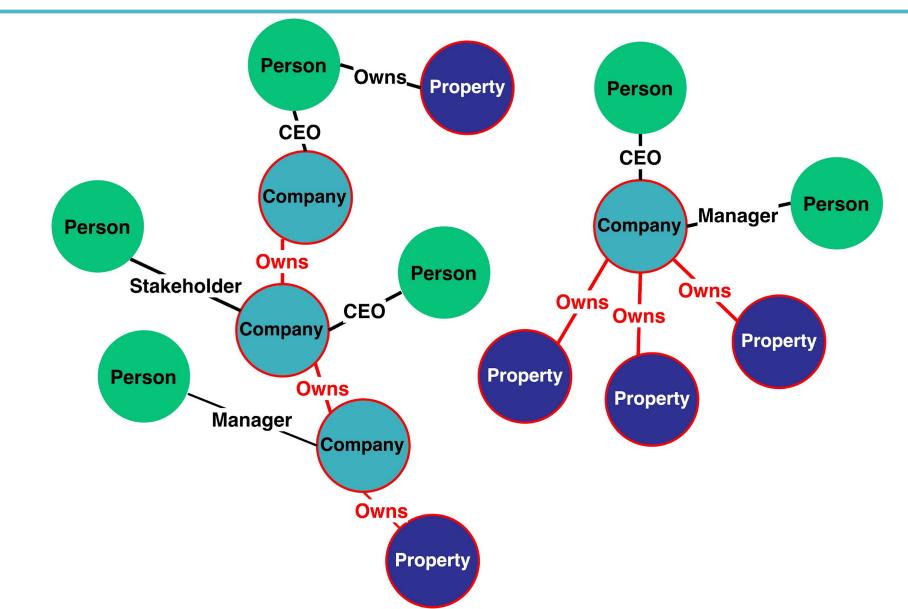
Property/Structure Property History People Company

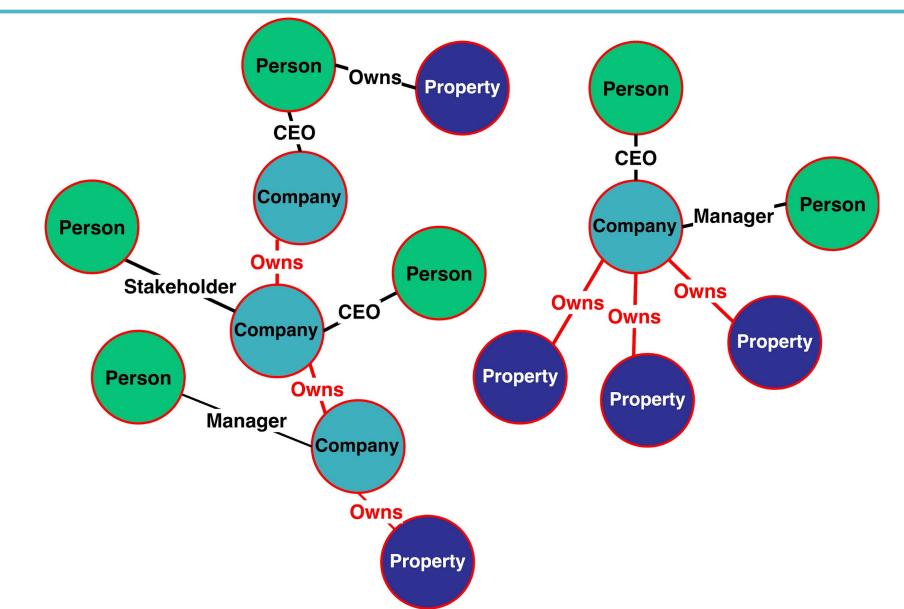


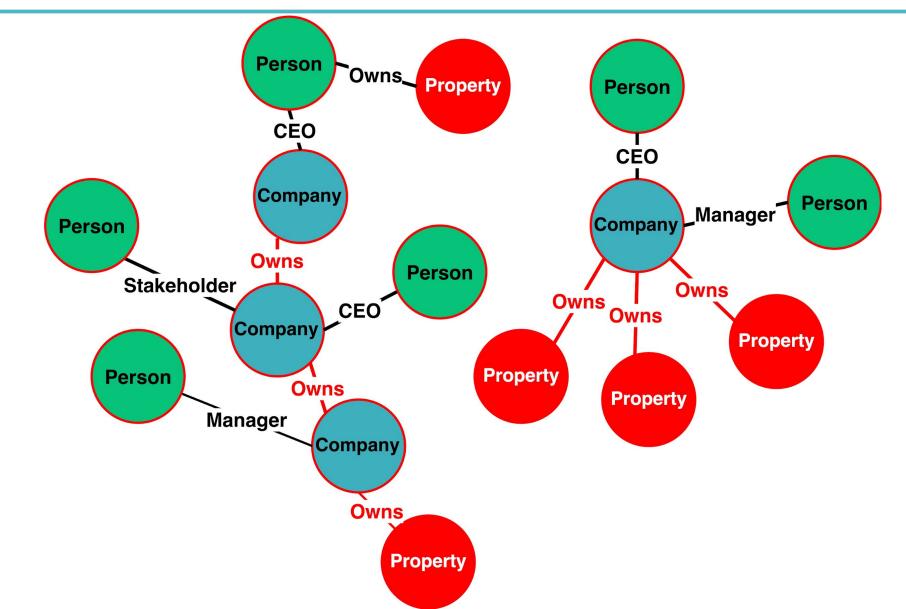




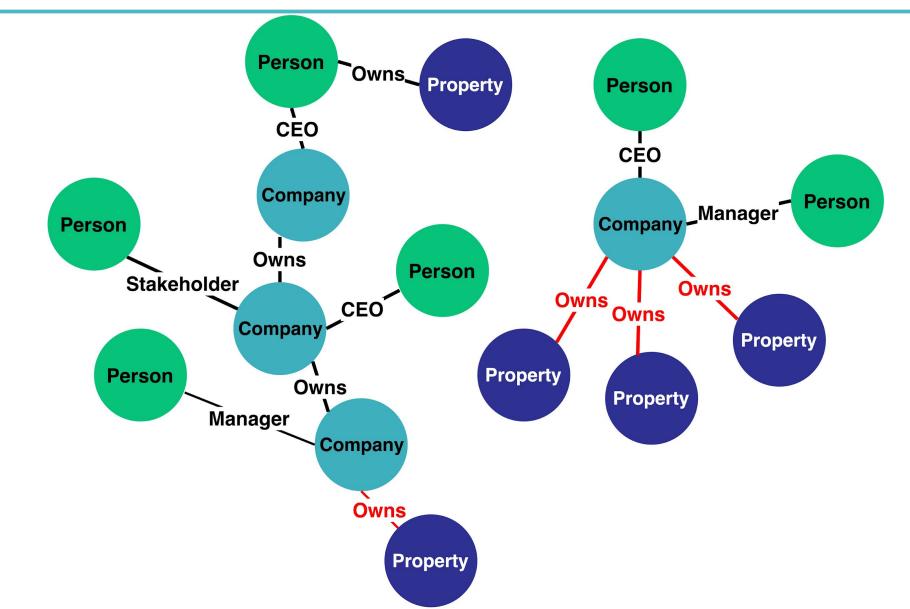




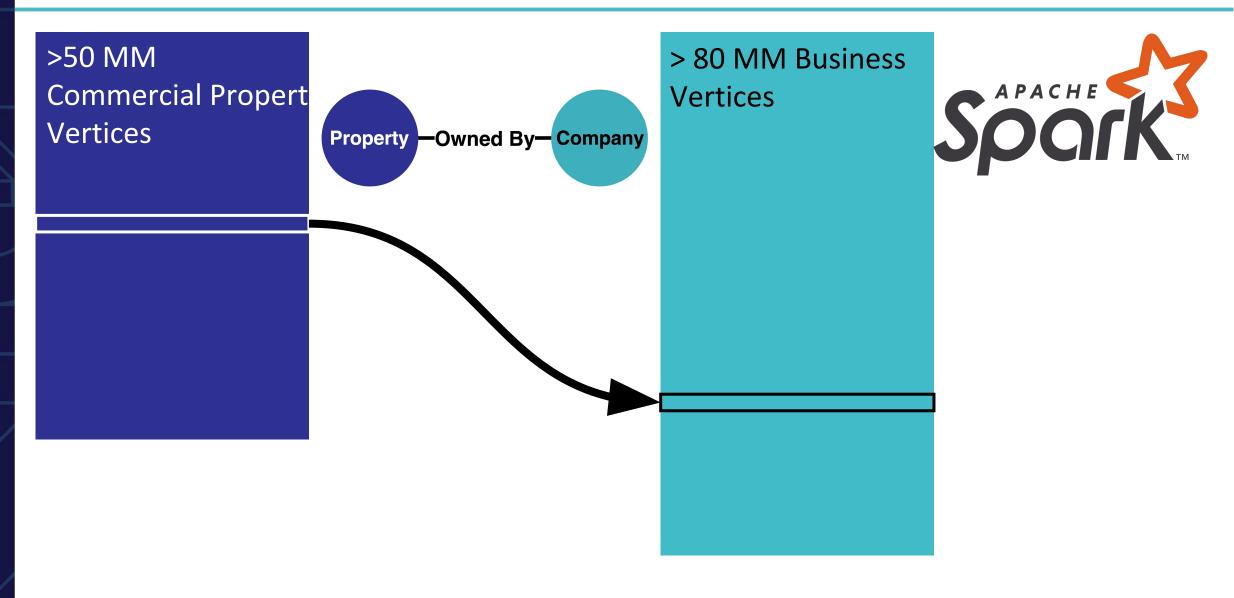




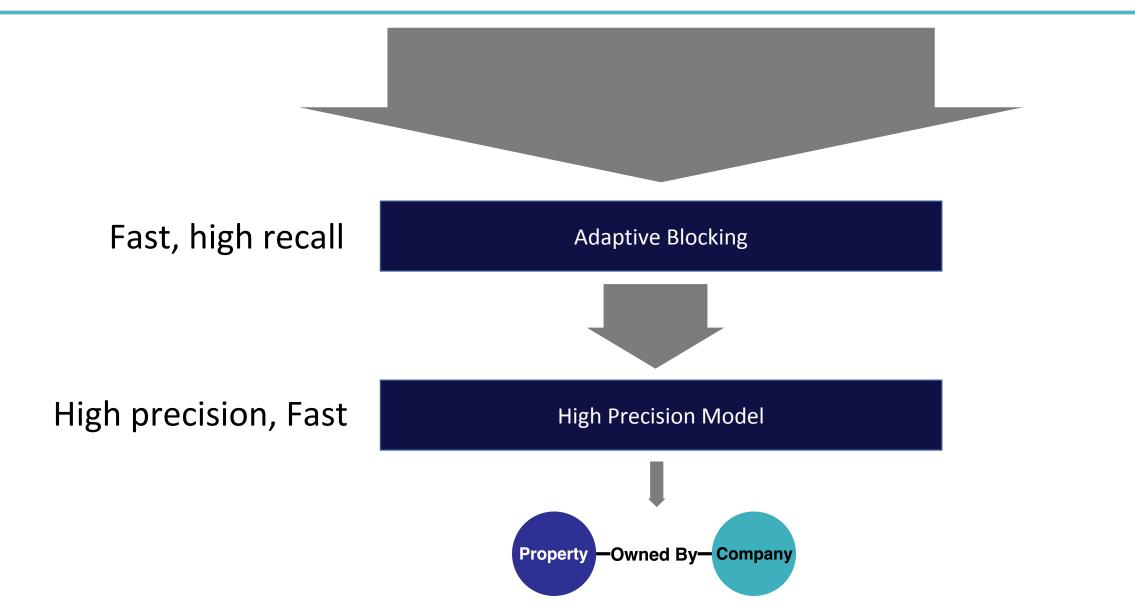
#### What we'll focus on today



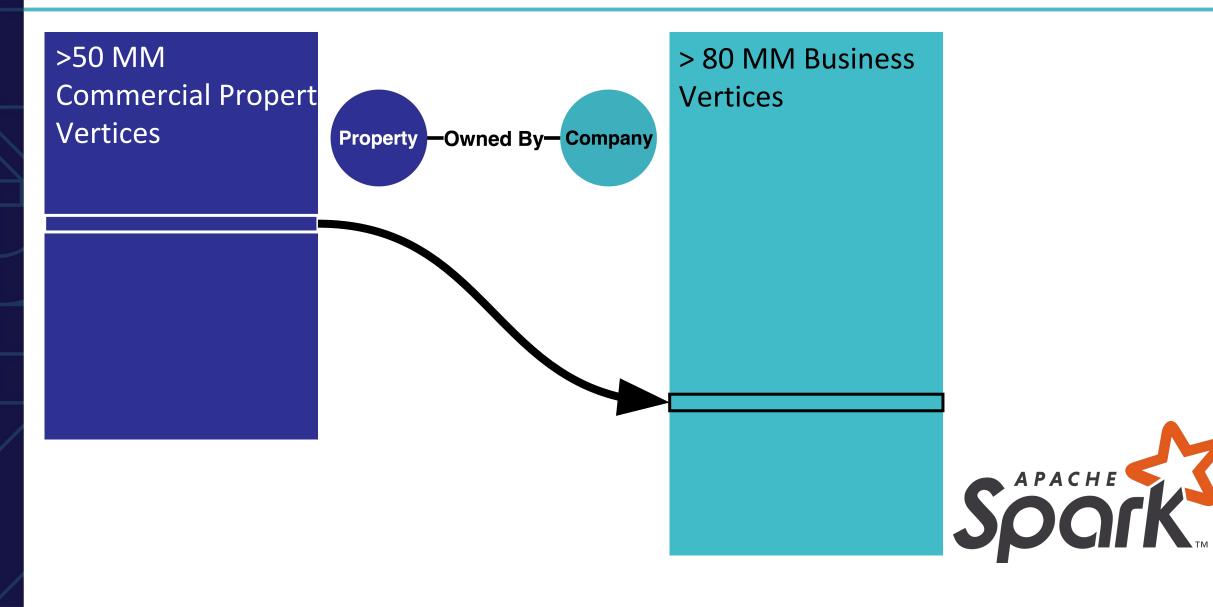
## Building Property to Company Edges



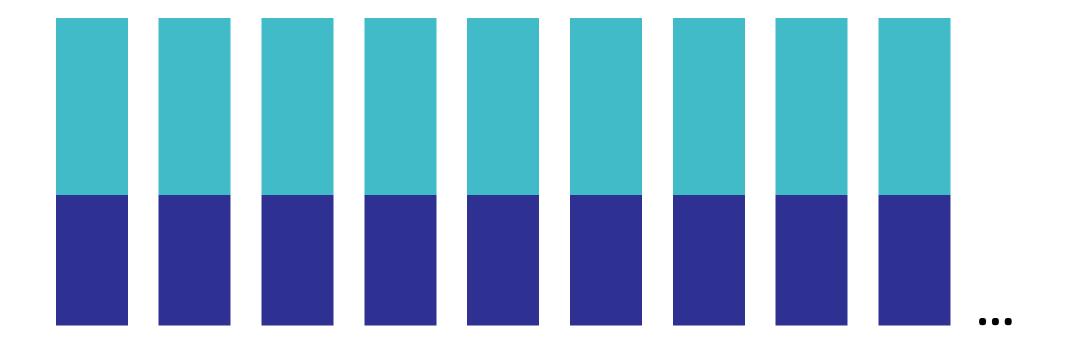
# Needles in the haystack: miniscule positive classes in high volume data



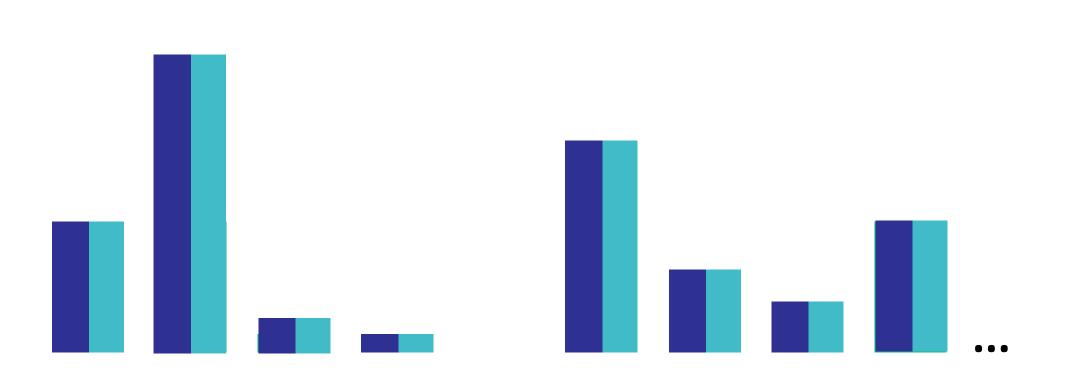
## Building Property to Company Edges



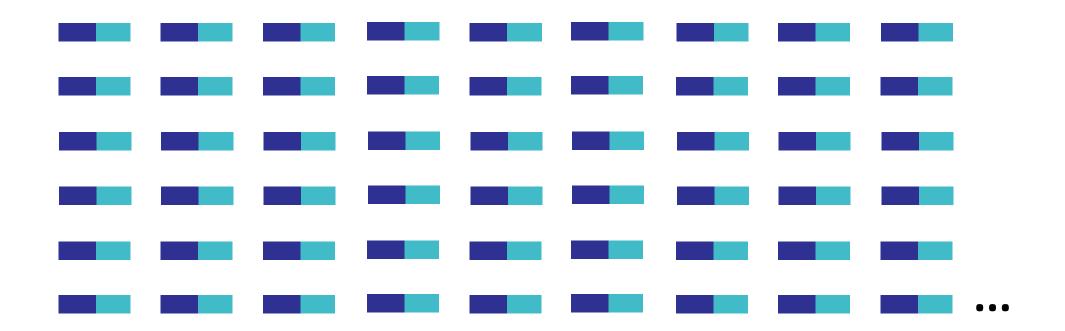
## **Cluster Behavior: Adaptive Blocking**



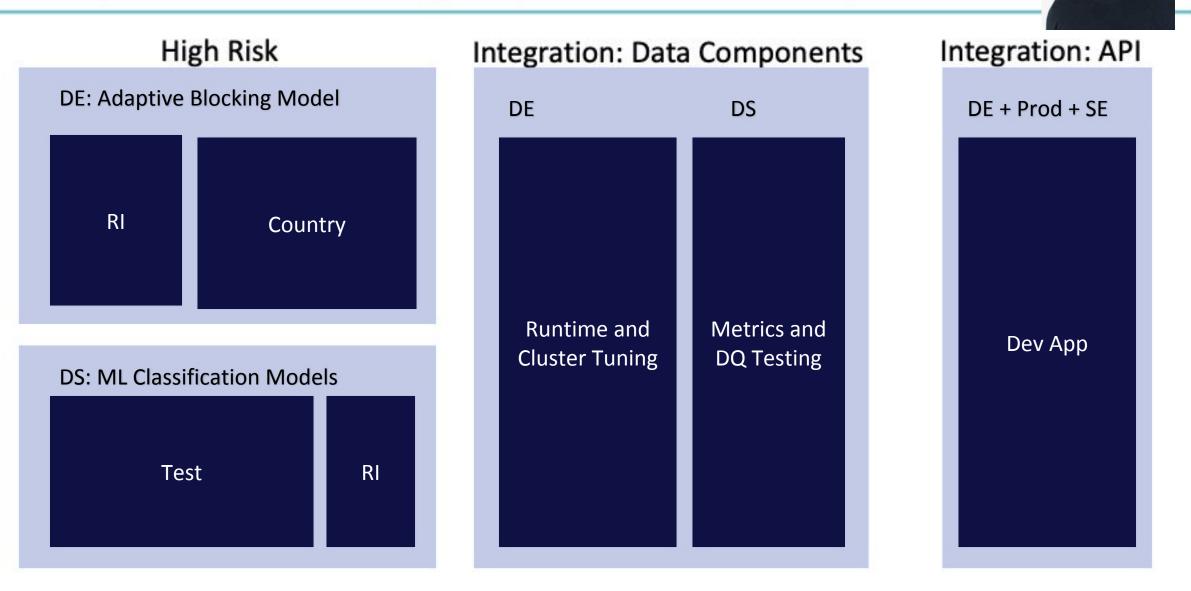
#### **Cluster Behavior: Adaptive Blocking**



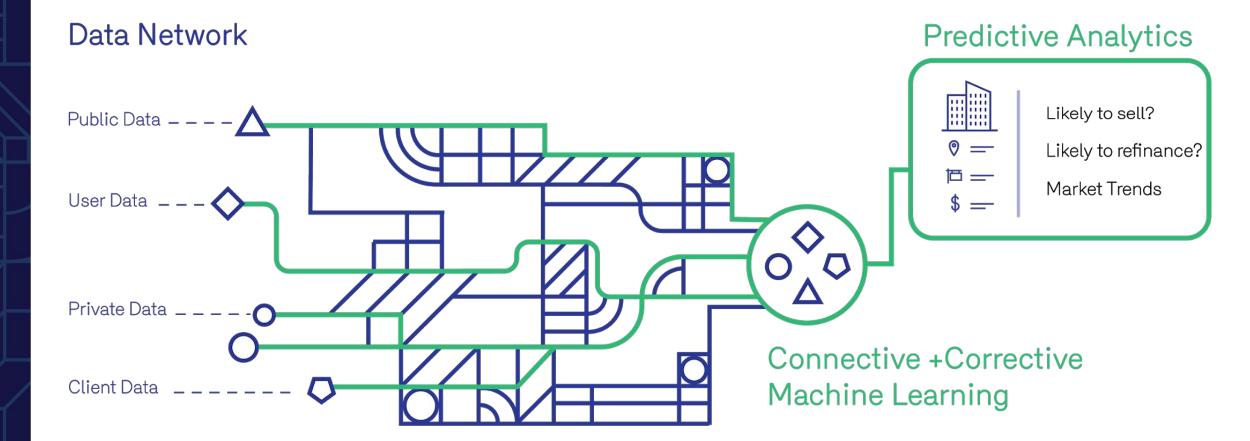
## **Cluster Behavior: Models**



# Implementation Strategy: Highest Risk First, Always



## Creation of Property Intelligence ...and more



Connecting the world of commercial real estate to unlock insights and opportunities for everyone.

> Maureen Teyssier linkedin.com/in/maureenteyssier/ @maureenteyssier



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