MARIM CONFERENCE 2017 Risk & Resilience in a VUCA World

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Embedding Big Data in Risk Management

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"If you woke up as an industrial company today, you will wake up as a software and analytics company tomorrow"

Jeff Immelt, CEO GE



Gartner.



"Teradata was Big Data" before there was Big Data"

Donald Feinberg, Gartner

Data-driven credit risk management





Situation

2

Problem

3

Solution

4

Impact

- Scana need to manage credit risk with high-risk commercial and industrial (C&I) customers
- They do this through analysis of payment history, propensity to pay and other economic data
- In this sector, there is higher financial risk per account and more sophisticated analysis required than for residential collections

- Excel spreadsheets used to manually analyze customer risk
- A highly manual process that took multiple people multiple weeks to complete
- Less than 1/3 of 1% of C&I customers could be analyzed at a time.
- Not less that a third. Less than a third of one percent
- No, seriously

- A new Teradata integrated data & analytics environment
- Automated analysis of 100% of C&I customers on a monthly basis
- A Watch List of 2000 high-risk customers monitored continuously

- 40% 50% improvement in corporate collections
- \$8M improvement in first year
- \$45M improvement over 5 year review period
- Saves over 2800 man-hours annually
- Avoids hiring of additional headcount



The art of analytics





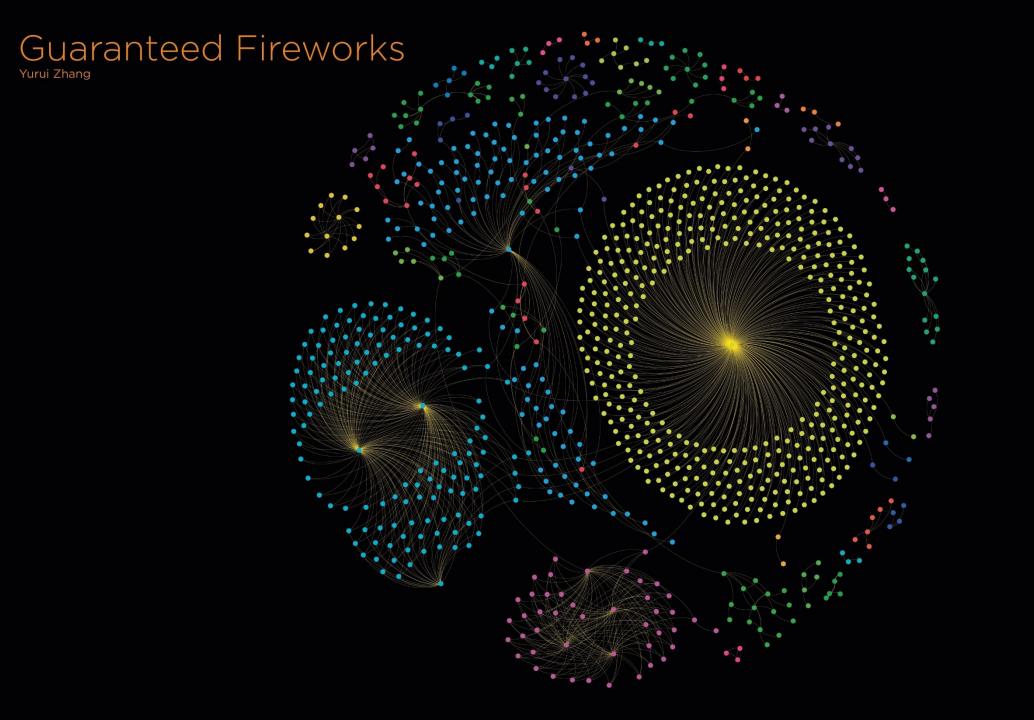




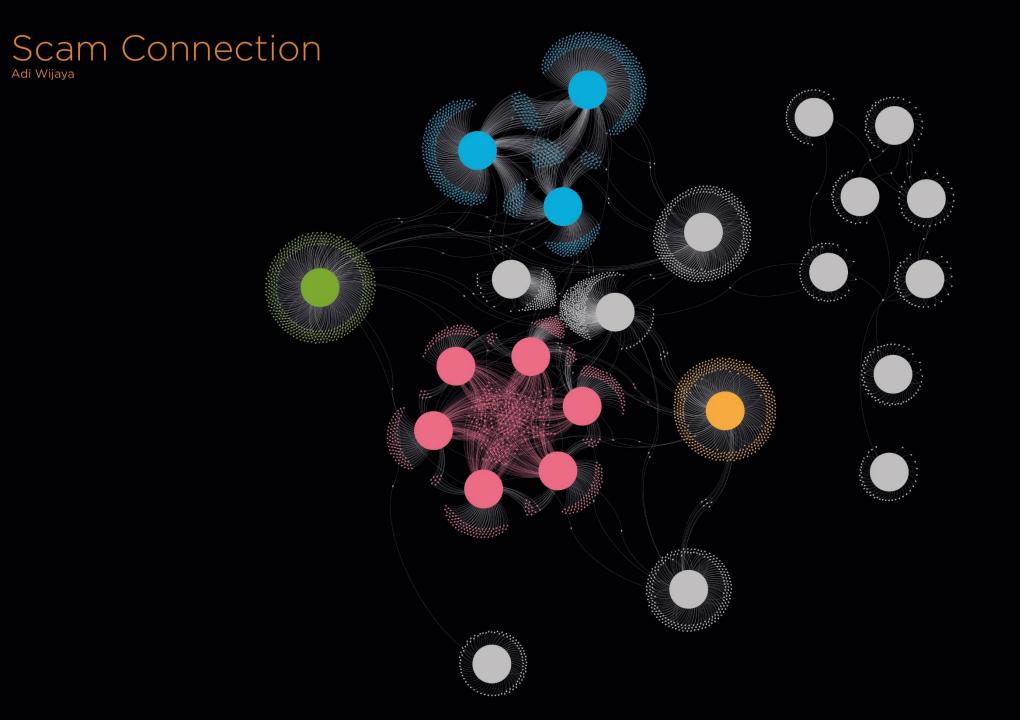


Guaranteed Stingers



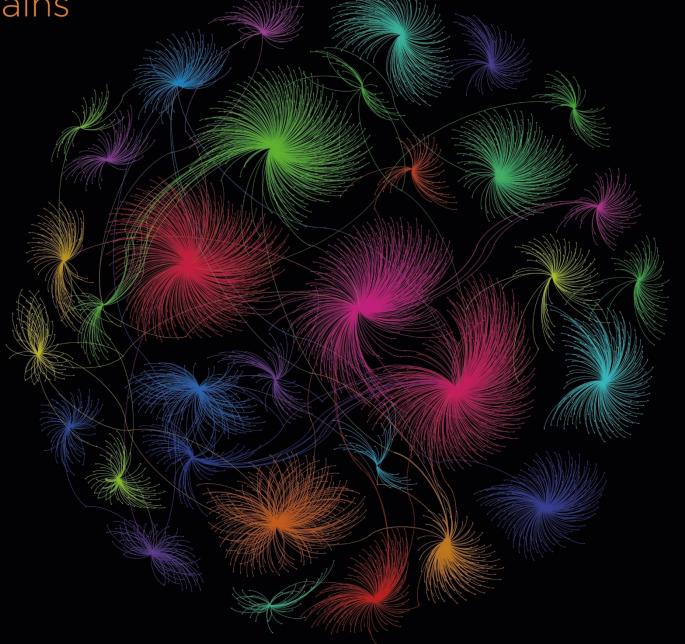




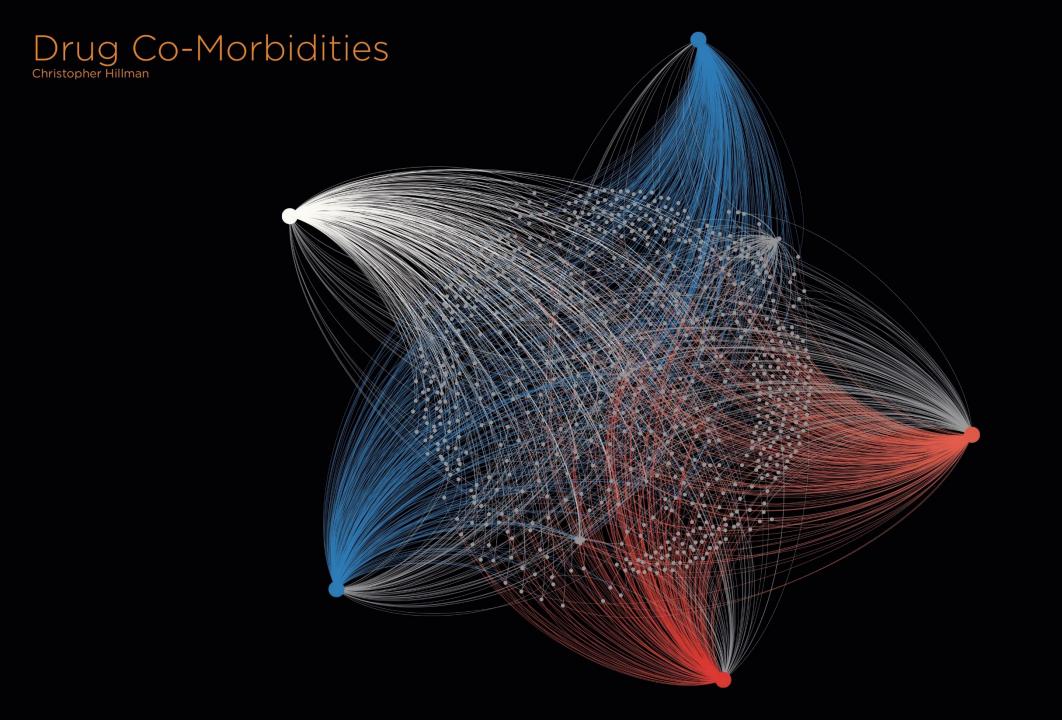




Funding Fountains



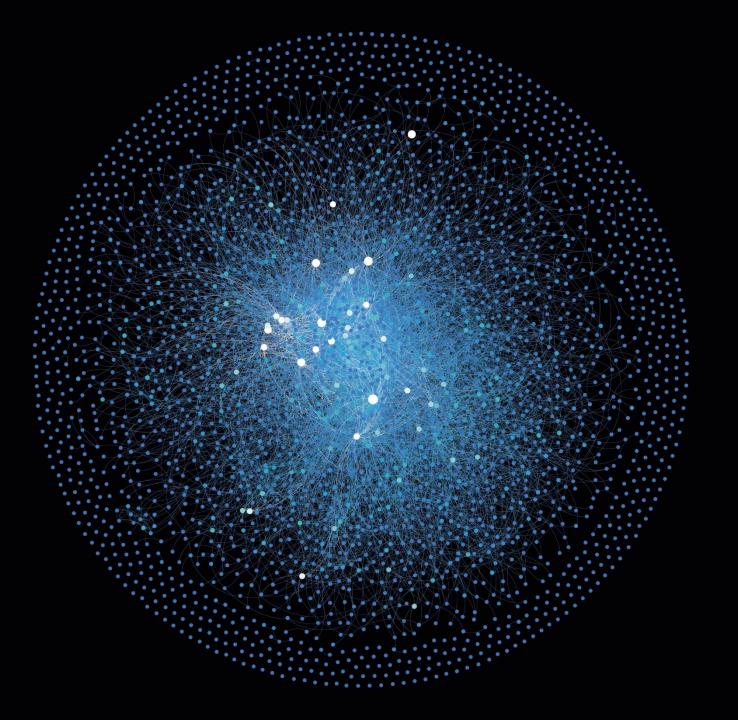




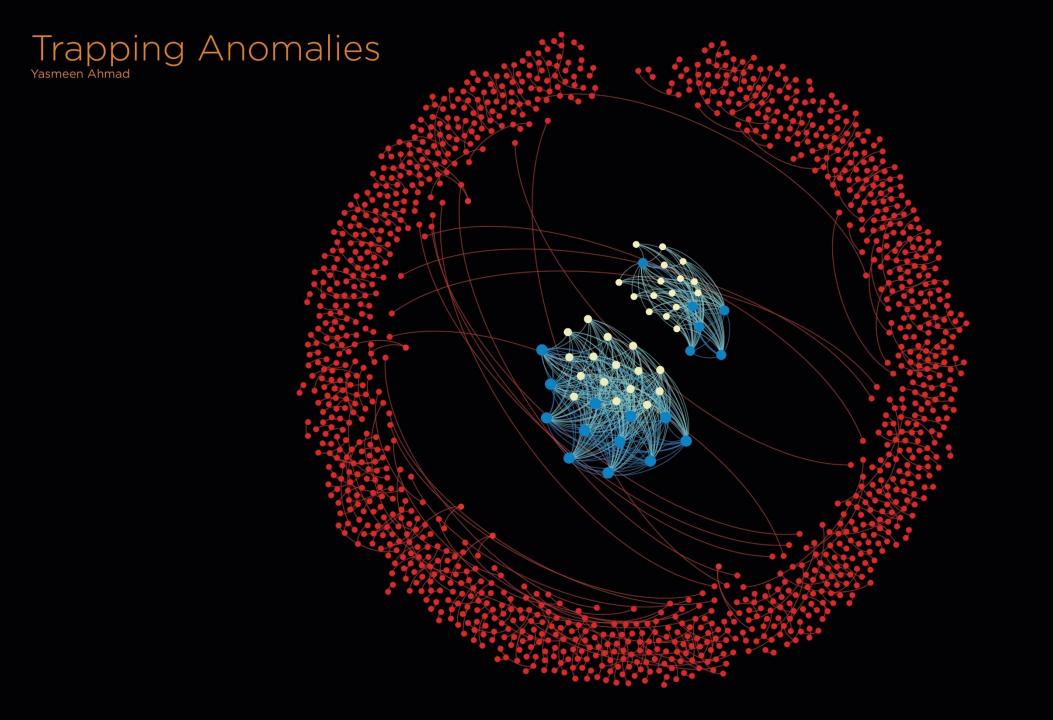


The Stargate

Peter Wang

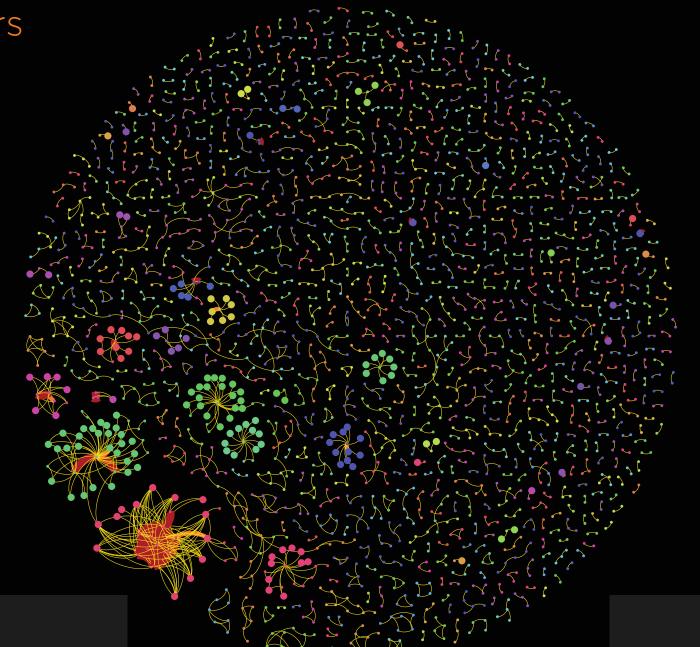








Fraud Invaders
Christopher Hillman





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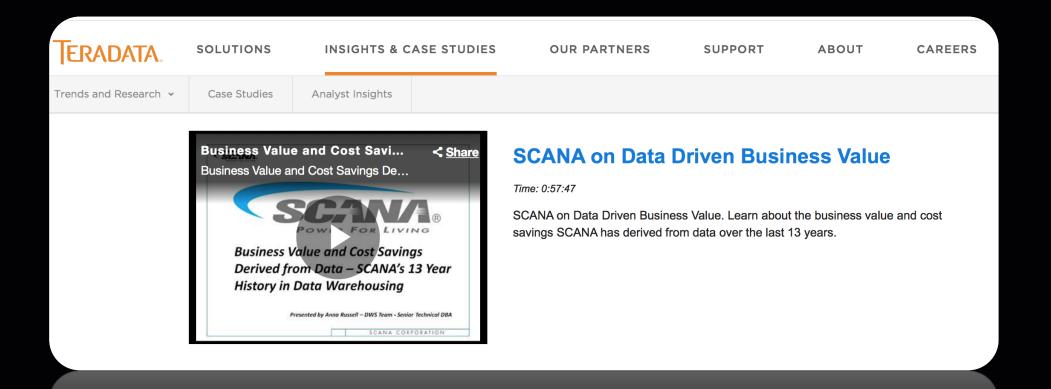
Data-driven credit risk management





13 years on...







The Art of Analytics

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