第111回スクエアfreeセミナー
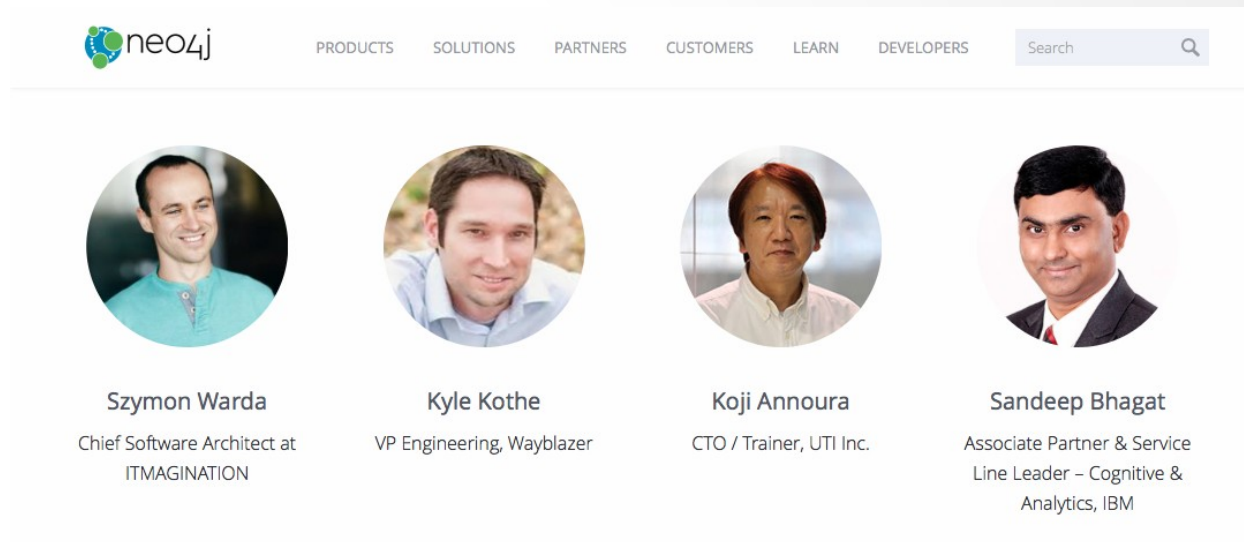
2020.01.23 (木)
新春エレベータ・ピッチ　２０２０

Graph AI
Graphを使ったAIとは今までのAIとどう違うのか

案浦浩二 (Koji Annoura)
@kojiannoura
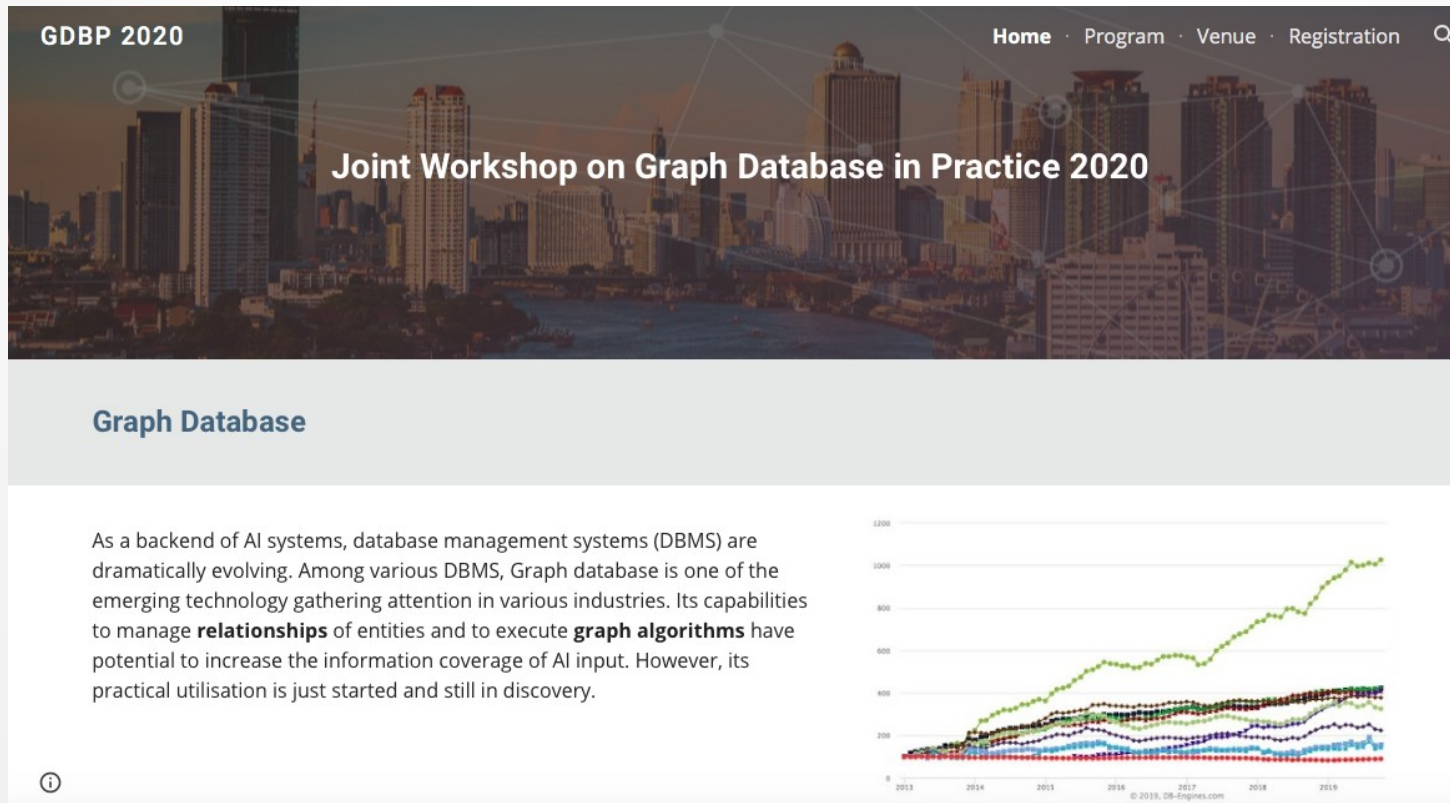
About Me?

- Neo4j
  - One of founders Neo4j UsersGroup Tokyo
  - Neo4j Ambassador
  - Neo4j Speaker
  - Neo4j Ninja
  - Certificate Neo4j Professional
- Agile
  - Certified Scrum Master
  - Certified Scrum Product Owner
  - LeSS Practitioner
- Member
  - LibreOffice Japanese Team
  - Japan PostgreSQL Users Group (JPUG)
- Coffee
  - UCC Certified Coffee Professional
  - SCAJ Coffee Meister
  - JCQA Certified Associate Instructor in Coffee

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Szymon Warda
Chief Software Architect at ITMAGINATION

Kyle Kothe
VP Engineering, Wayblazer

Koji Annoura
CTO / Trainer, UTI Inc.

Sandeep Bhagat
Associate Partner & Service Line Leader – Cognitive & Analytics, IBM

Feb. 16-18, 2020
(Bangkok, Thailand)

- Graph Database in Practice 2020
  - https://2020.gdbp.org
  - Neo4j, Oracle PGX, TigerGraph, etc.

データから知恵へ

- 情報の活用
  - Data
  - Information
  - Knowledge (知識)
    - 認識によって得られた成果、あるいは、人間や物事について抱いている考えや、技能のことである。
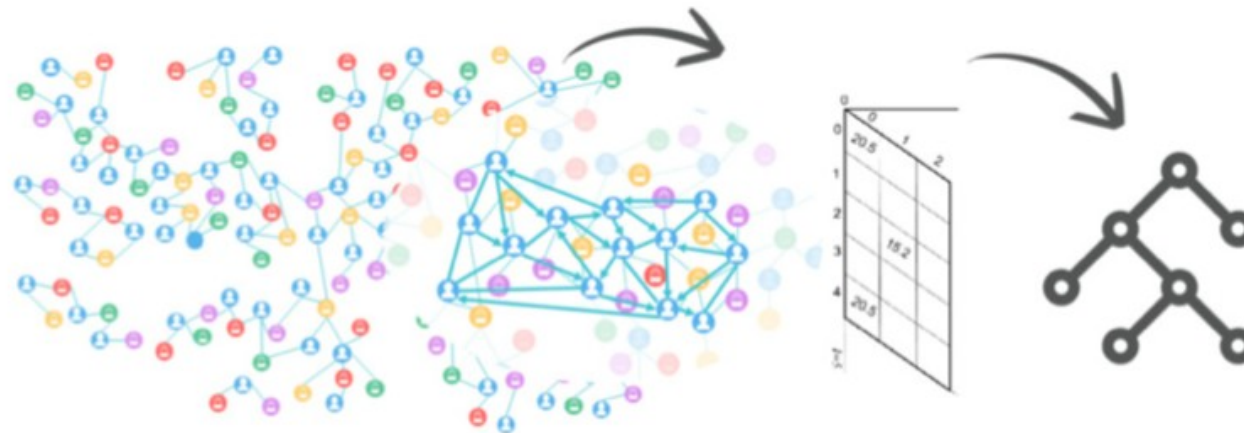 - Insight (洞察)
    - 鋭い観察力で物事を見通すこと。
  - Wisdom (知恵)
    - 筋道を立て、計画し、正しく処理していく能力

Data Information Knowledge Insight Wisdom
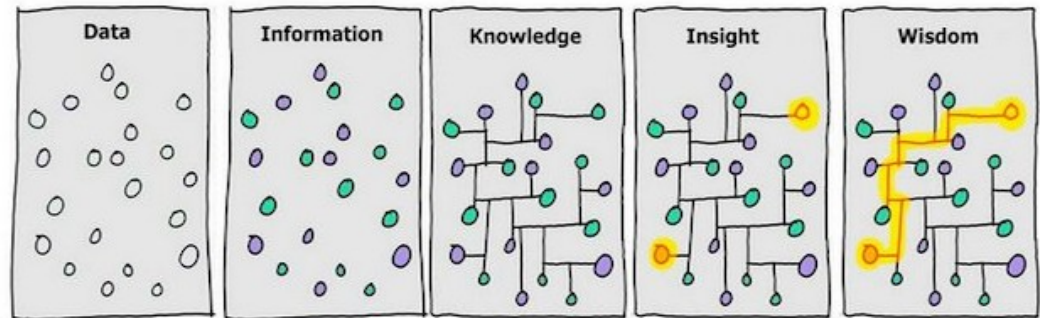
[Cartoon by David Somerville, based on a two pane version by Hugh McLeod.]

Graph AI

• 比較
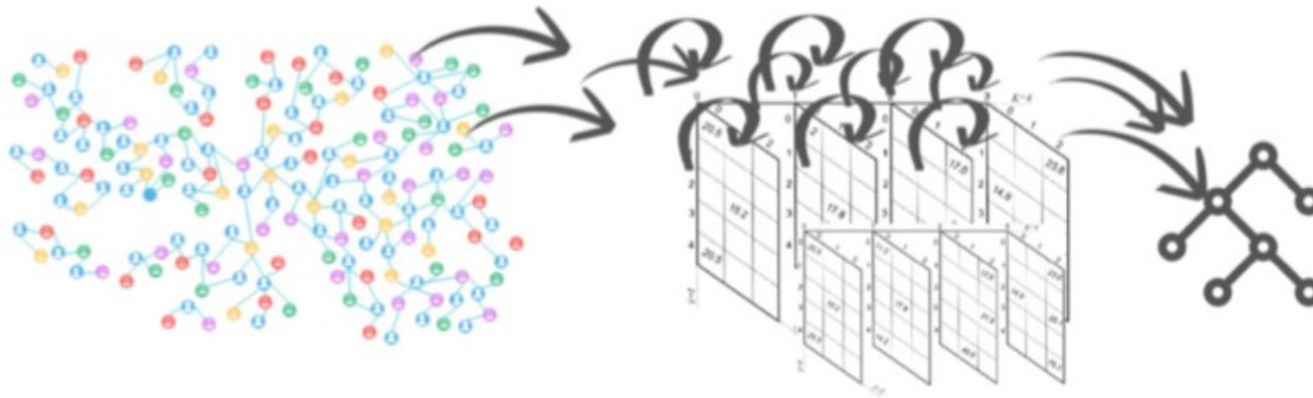
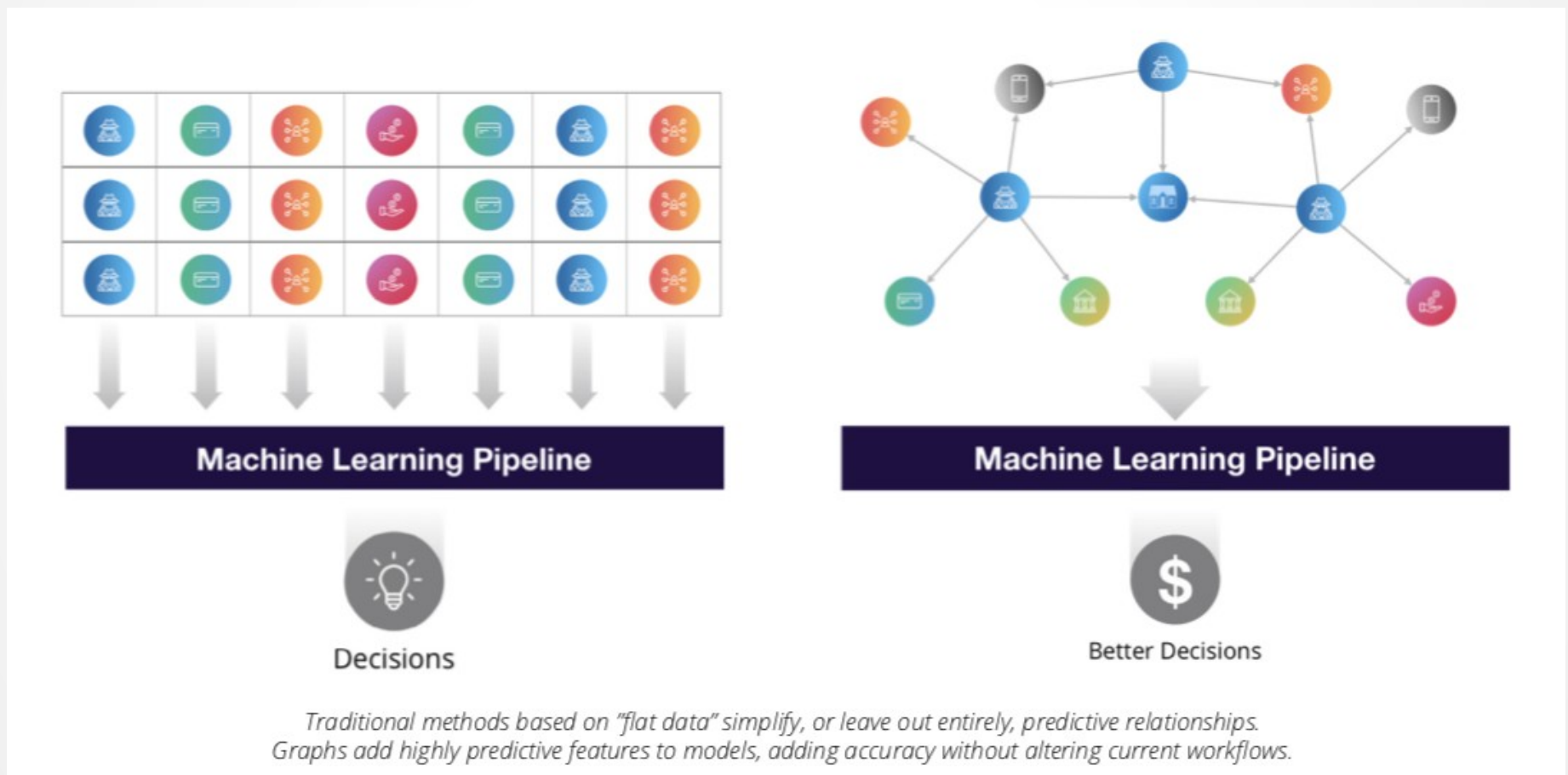For many machine learning systems, real-world connected data is stored as tables, then iteratively connected to produce decision trees.

Training on connected data stored in a graph database is far more efficient. Graph filtering is quite effective, especially compared to typical manual sub-setting or statistical inference.

Artificial Intelligence & Graph Technology (Neo4j White Paper

Graph AI

- ## より良い判断

Traditional methods based on "flat data" simplify, or leave out entirely, predictive relationships. Graphs add highly predictive features to models, adding accuracy without altering current workflows.

Artificial Intelligence & Graph Technology (Neo4j White Paper

Thanks

- Please ask me!
    - koji@annoura.com