KENOME

Building Knowledgeable Machines

Dr. PARTHA TALUKDAR

Founder, KENOME

Assistant Professor, IISc Bangalore
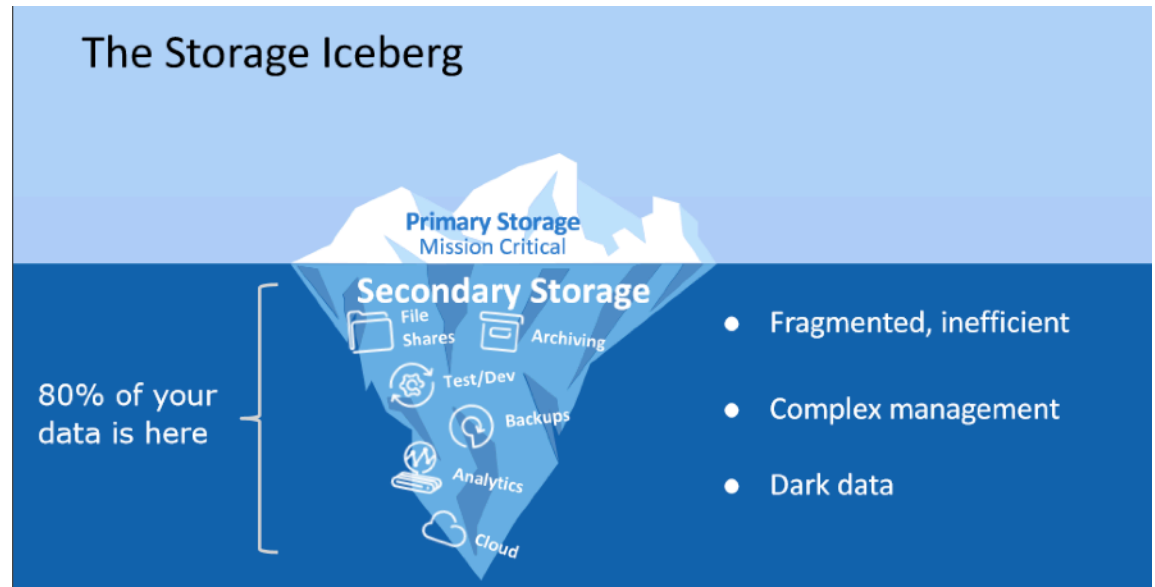
ppt@kenome.io

September 5, 2018
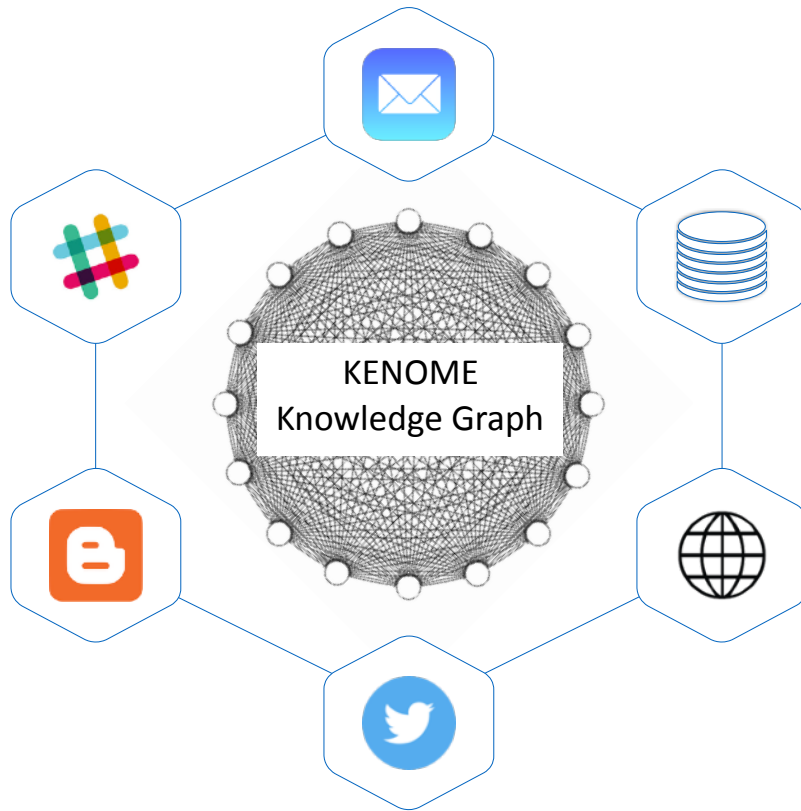
Two Enterprise Problems

Big Data

Dark Data

The Storage Iceberg

Primary Storage
Mission Critical

Secondary Storage
File Shares · Archiving · Test/Dev · Backups · Analytics · Cloud

80% of your data is here

- Fragmented, inefficient
- Complex management
- Dark data

KENOME helps enterprises make sense of Big Dark Data

KENOME Insights Platform (KIP)
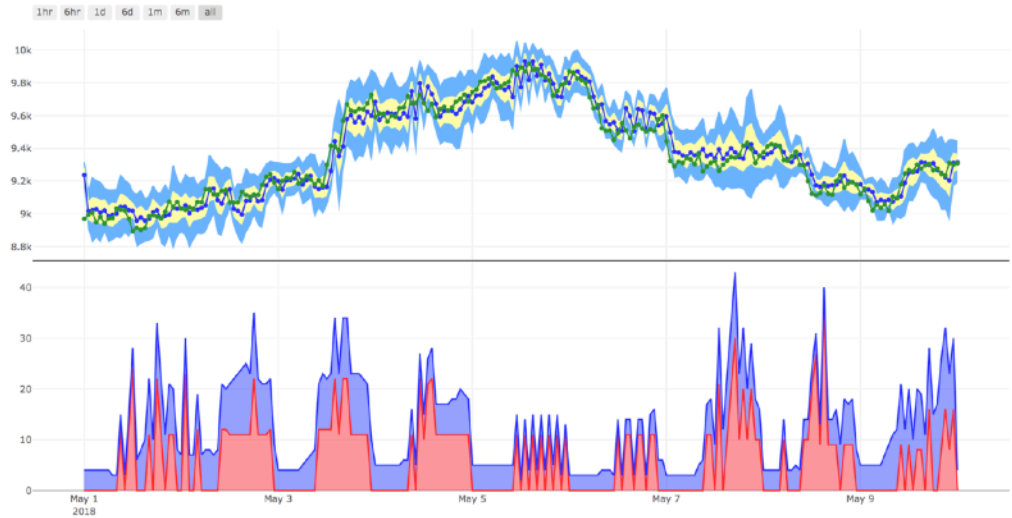

KENOME
Knowledge Graph

- Knowledge Graphs
- Natural Language Understanding
- Machine Learning
- Never Ending Learning

Working with **leading** enterprises in
Finance, **Retail**, and **Consumer Electronics**
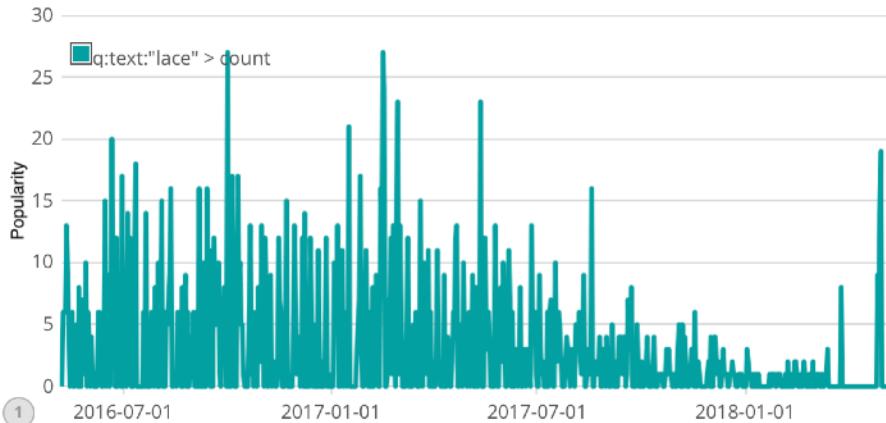
TRAKCrypto ^{Powered by KIP}

Social Sensing

Private beta

coming soon

without Social Sensing

with Social Sensing

Demand Sensing
via
Social Sensing

Customer: E-commerce (USA)

Material Demand
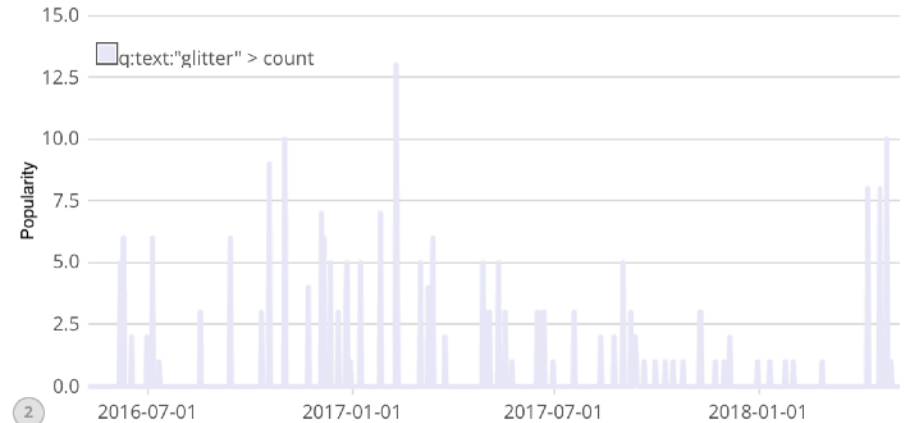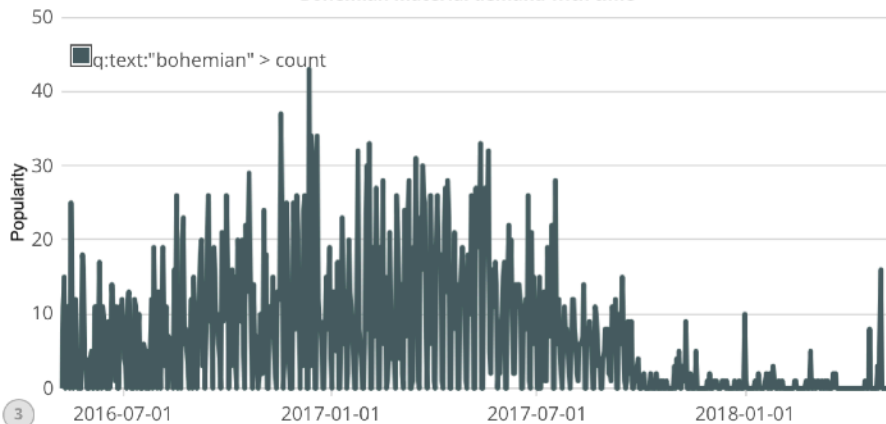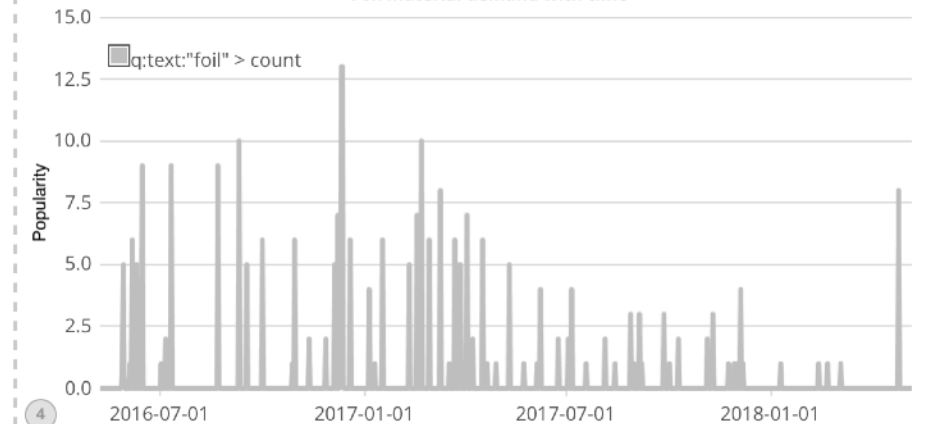
Product Knowledge Graph

Customer: Leading Retailer (USA), Multinational Hardscaping Company (USA)

KENOME Email2Knowledge

Email Input:

Subject: Grigsby's Order

Hey John, I need to place an order: PO#23921 Sidemark White carrera 2" hexagon mosaic 56 sq ft

Thank you. Jeff

[Process]

Candidate Products Processed : 15,967

Mail Body		Product ID	Product Name	Quantity	Size
subject: grigsby's hey john, need place 1.0 order: p o#23921 sidemark white carrera 2" hexagon mosai c 56 sq ft you. jeff famous carpet & tile tulsa, ok. 7 4145	☐	SMOT-ARA-2HEXH	arabescato carrara 2" hexagon hon	58	56 sq ft.
	☐	P-SMOT-ARA-2HEXP	arabescato carrara 2" hexagon pol	58	56 sq ft.
	☐	SMOT-CAR-2HEXP	carrara white 2" hexagon polished	56	56.0 sq ft.

[Generate PO] [+] [-]
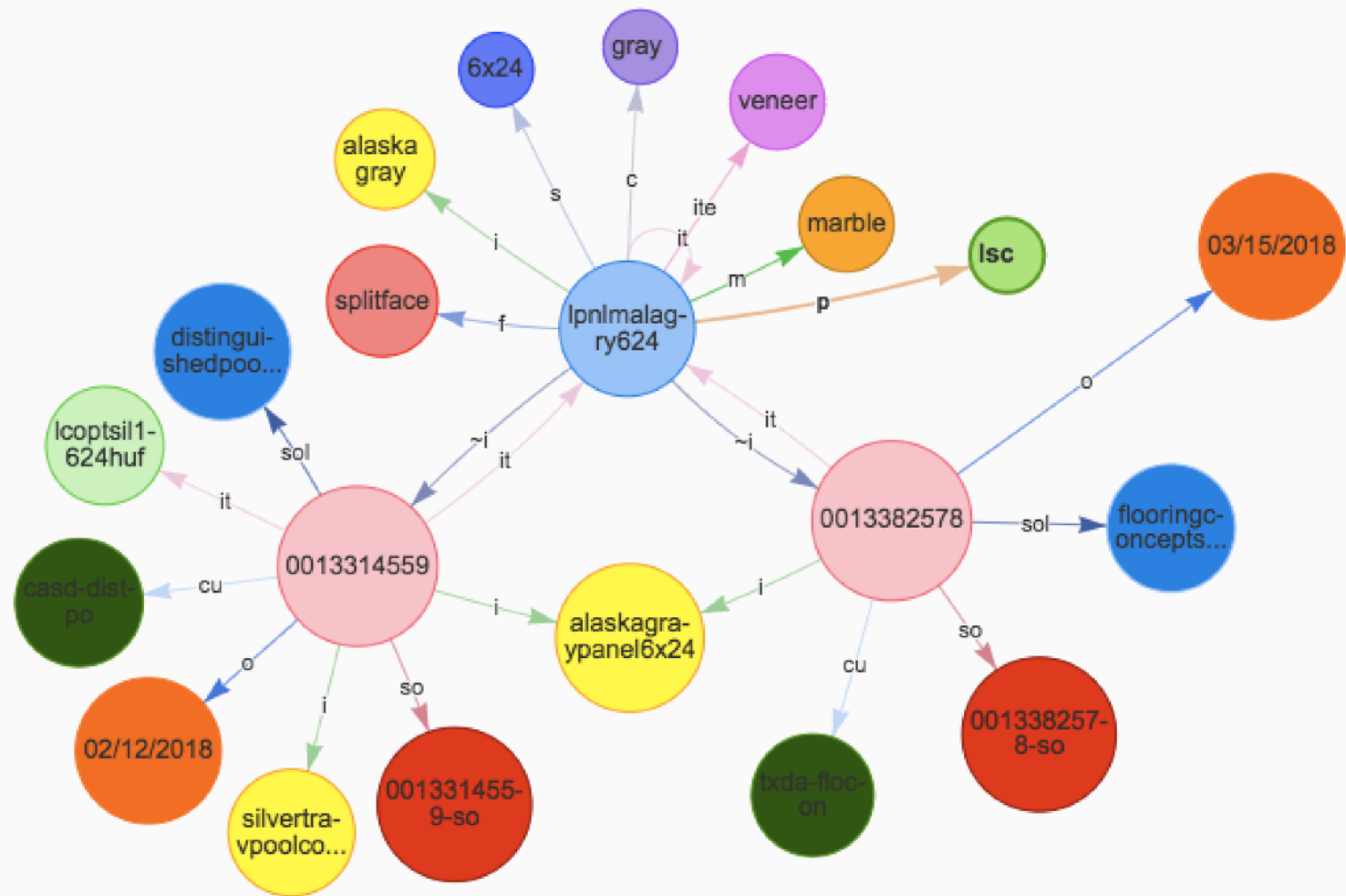
KENOME_IO_GRAPH (k) ITEMDESCRIPTION (i) ITEMNUMBER (it) FINISH (f) PRODUCTLINE (p) ITEMTYPE (ite)

COLOR (c) MATERIAL (m) SIZE (s) ~ITEMNUMBER (~I) SO_NUMBER (so) ORDER_DATE (o) SOLD_TO (sol)

SHIP_TO (sh) CUST_NO (cu)

Founder: Dr. Partha Talukdar

- Leading international expert on Knowledge Graphs, NLP, Machine Learning

- 15+ years of research experience. Co-architect of NELL System @ CMU

- Winner of Google Focused Research Award, IBM Faculty Award and many more

- 70+ top-tier publications

BE (2003)

Worked at

PhD (2010)

PhD Advisor: Fernando Pereira
VP & Eng. Fellow, Google
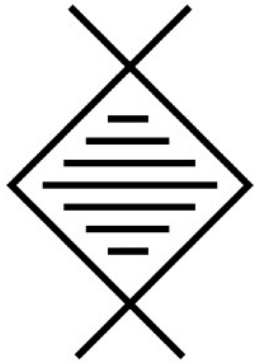
Postdoc (2011-2014)

Postdoc Mentor: Tom Mitchell
Founding MLD Chairman

About KENOME

- Development started in early 2018, based out of Bangalore

- Growing team, currently 6 members: ex-{CMU, IISc, BITS Pilani, IIT-M, Mathworks, Intuit}

- Part of the Target accelerator program

- Engaged with leading enterprises:

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✉ ppt@kenome.io

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