KENOME

Building Knowledgeable Machines

Dr. PARTHA TALUKDAR

Founder, KENOME

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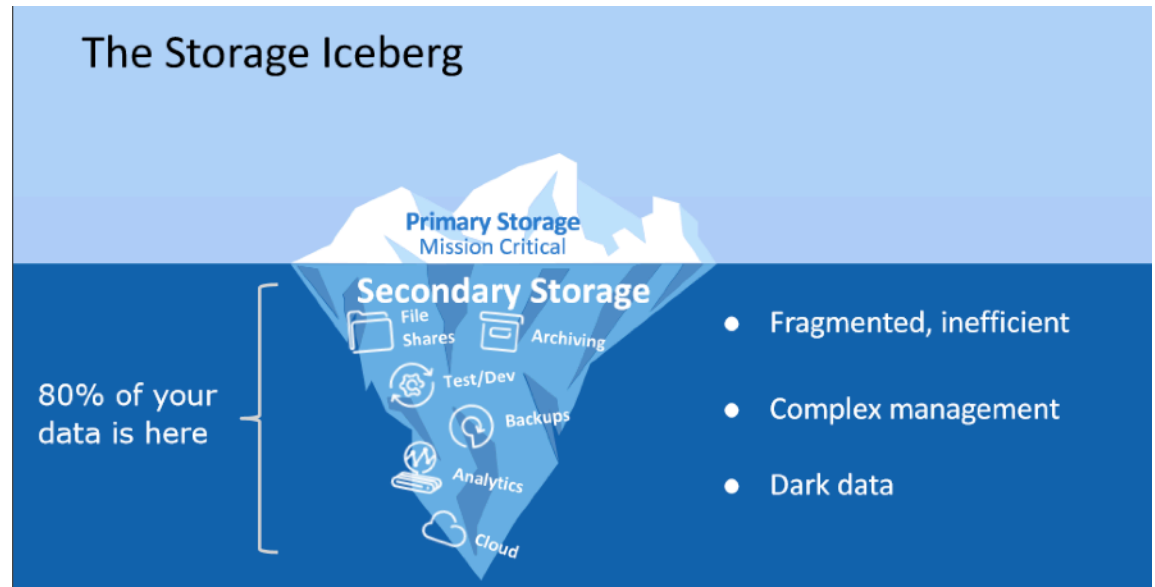
ppt@kenome.io

September 5, 2018

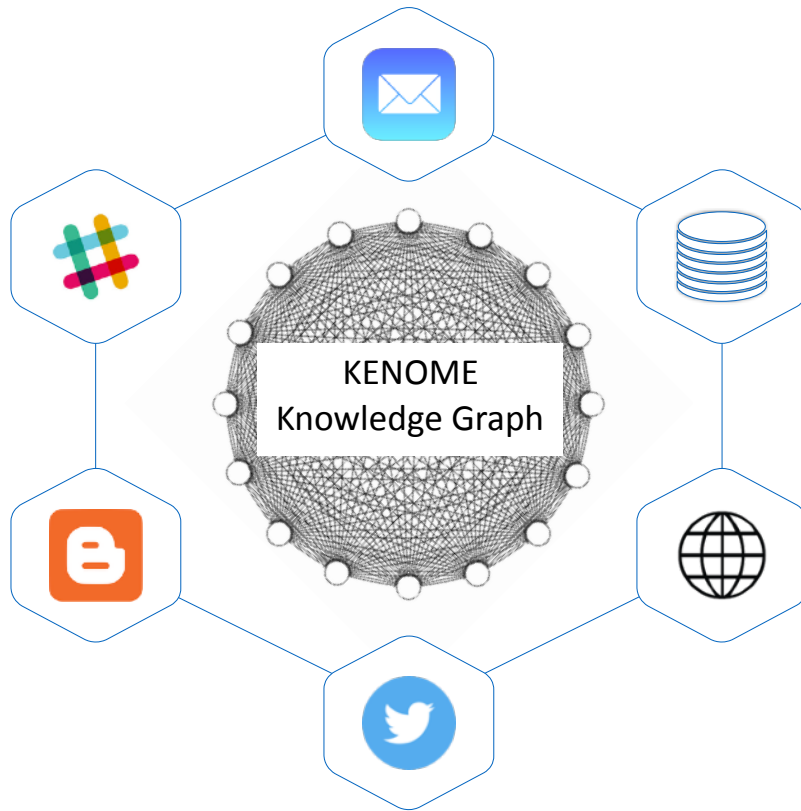# Two Enterprise Problems

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
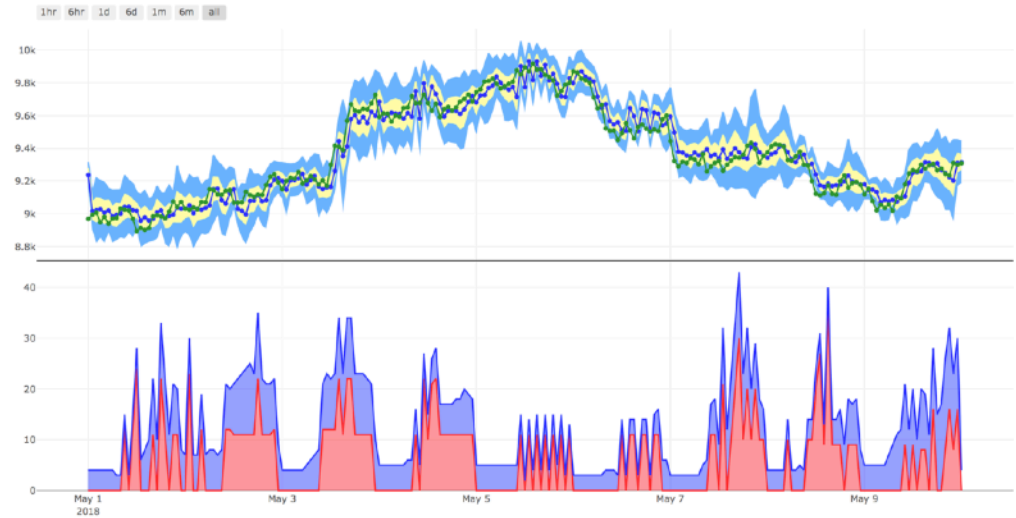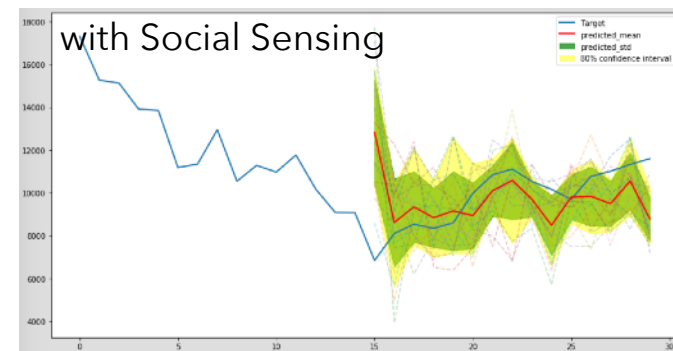
KENOME Insights Platform (KIP)

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
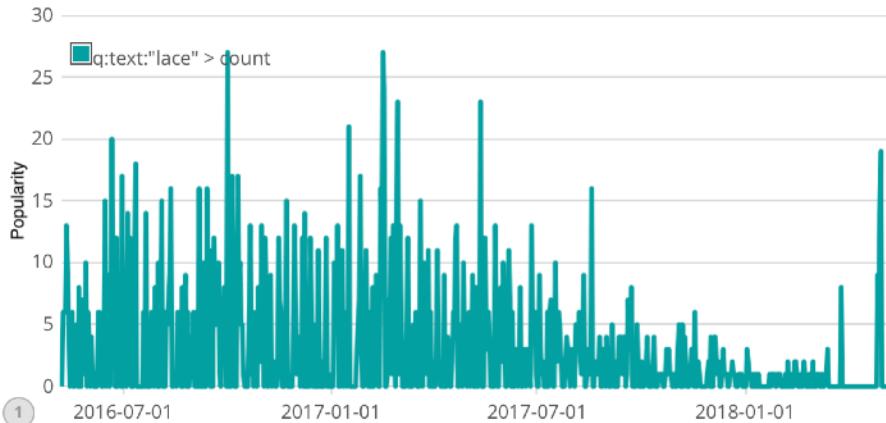

Social
Sensing

Private beta

coming soon

without Social Sensing

with Social Sensing

Demand Sensing
via
Social Sensing

Customer: Wedding and Event Supplies
(USA)

Material Demand
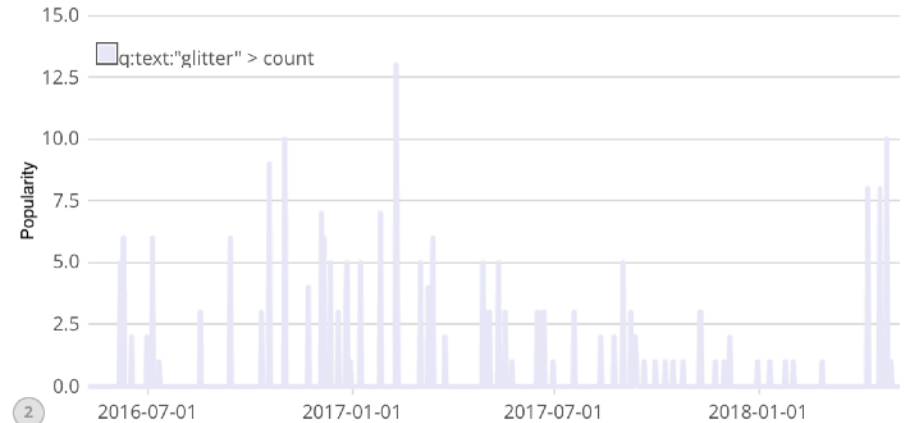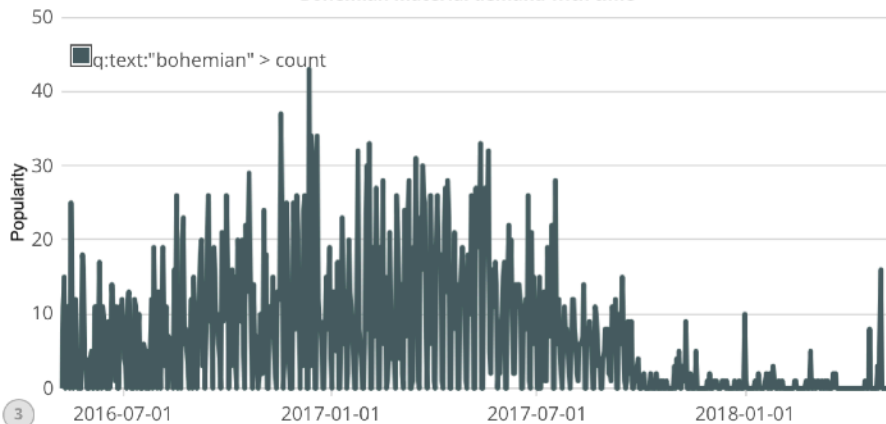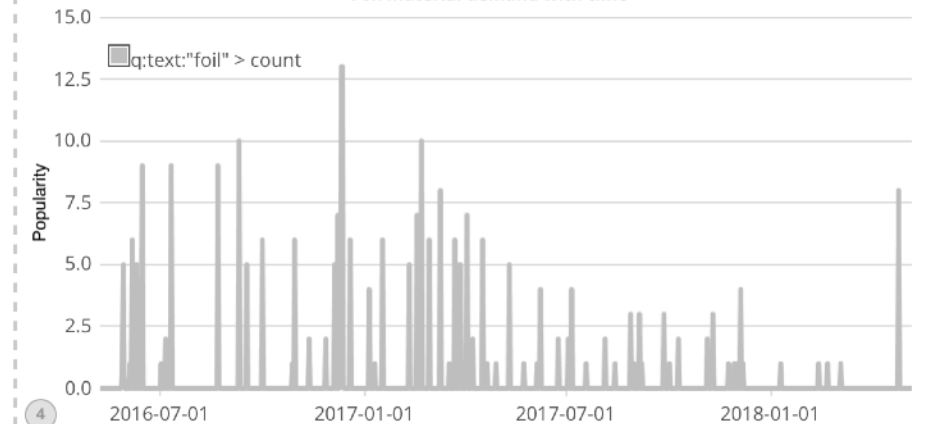
Product Knowledge Graph

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: po#23921 sidemark white carrera 2" hexagon mosaic 56 sq ft you. jeff famous carpet & tile tulsa, ok. 74145	☐	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]   [+] [-]
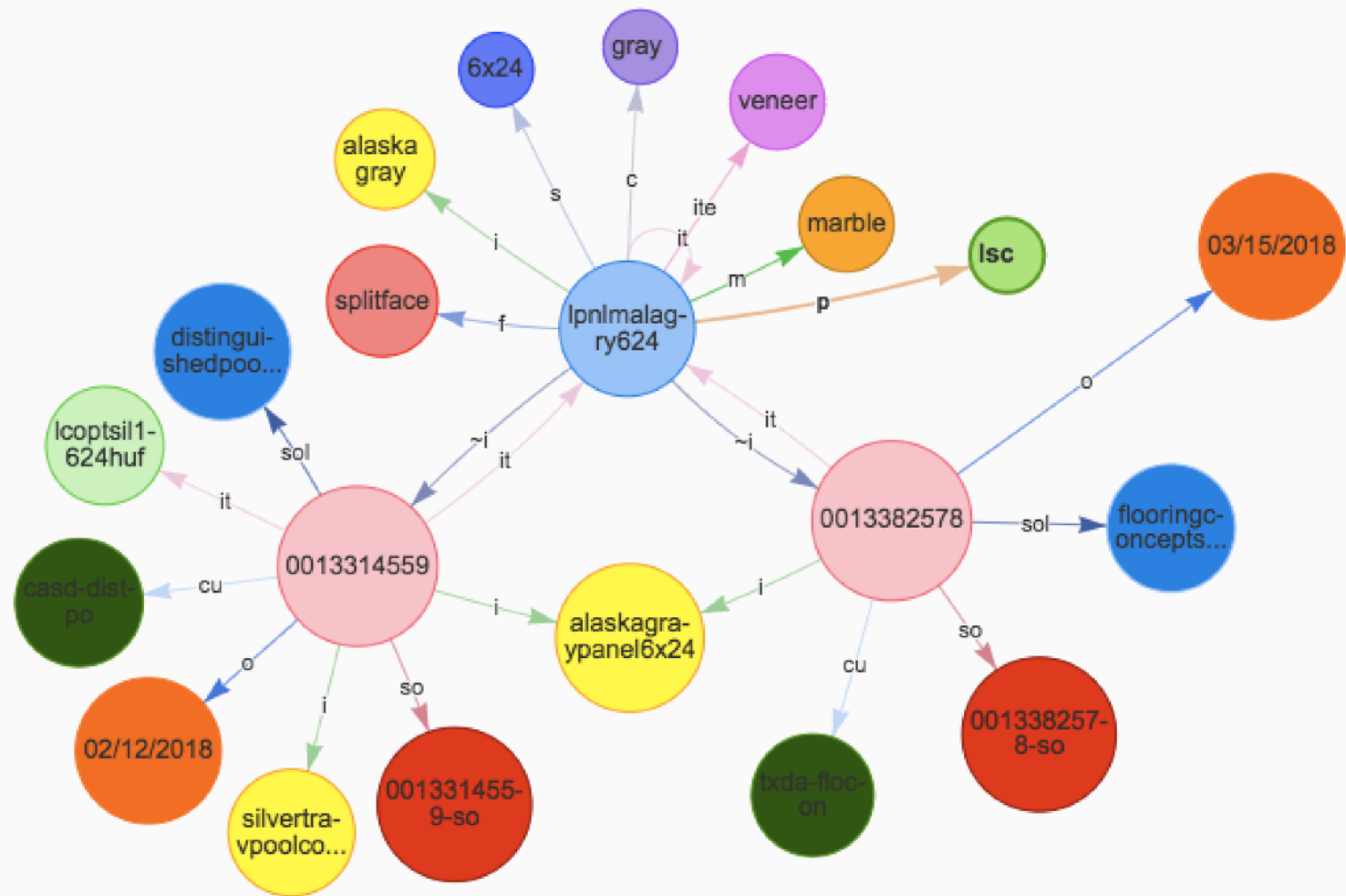
KENOME_IO_GRAPH (k)	ITEMDESCRIPTION (i)	ITEMNUMBER (it)	FINISH (f)	PRODUCTLINE (p)	ITEMTYPE (ite)
COLOR (c)	MATERIAL (m)	SIZE (s)	~ITEMNUMBER (~i)	SO_NUMBER (so)	ORDER_DATE (o)	SOLD_TO (sol)
SHIP_TO (sh)	CUST_NO (cu)				

Founder: Dr. Partha Talukdar

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

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

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

- 70+ top-tier publications: http://talukdar.net

BE (2003)

Worked at
HP Labs   Microsoft Research   Google

PhD Advisor: Fernando Pereira
VP & Eng. Fellow, Google

Penn
PhD (2010)

ML Carnegie Mellon University
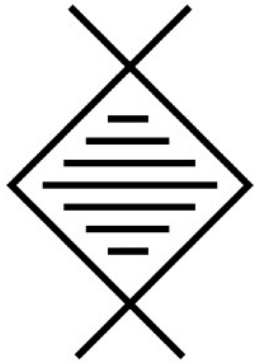MACHINE LEARNING DEPARTMENT
Postdoc (2011-2014)

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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