ThoughtSpot

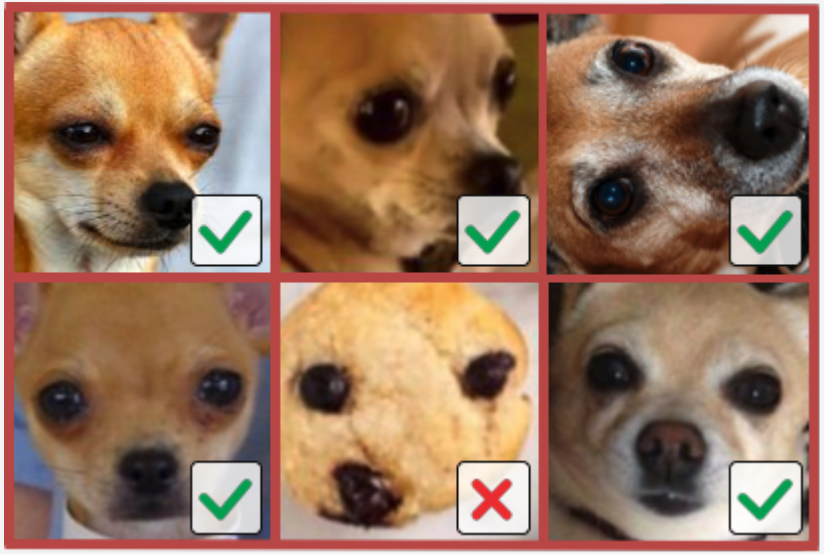
Search & AI-Driven Analytics

AI-Driven insights as easy as your favorite app

YOUR JOB IS "DIGITAL TRANSFORM-ATION."
IT'S NOT JUST ABOUT DISRUPTIVE TECHNOLOGY.
WE NEED A WHOLE NEW WAY OF THINKING.
ACROSS THE ENTIRE ORGANIZATION.
TOM FISH BURNE
THIS IS ONE OF OUR TOP PRIORITIES.
WE'RE ALL COUNTING ON YOU.
SO, GOOD LUCK ON THIS SUMMER INTERNSHIP.
© marketoonist.com

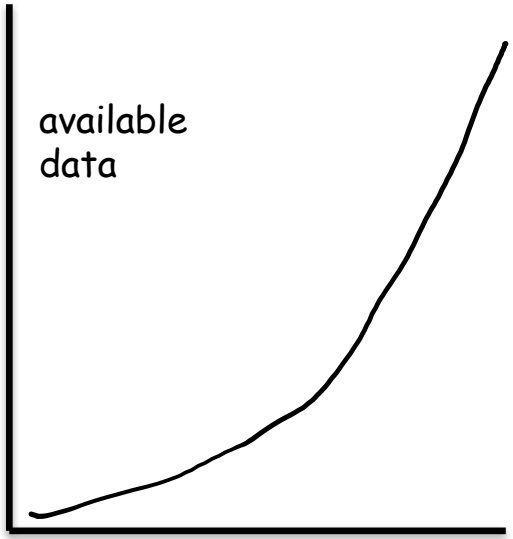
Künstliche Intelligenz im Einkauf(s- Reporting). Wird die Analyse von Lieferanten, Preisen und Beschaffungsprozessen in Zukunft zu 100% von Robotern übernommen?

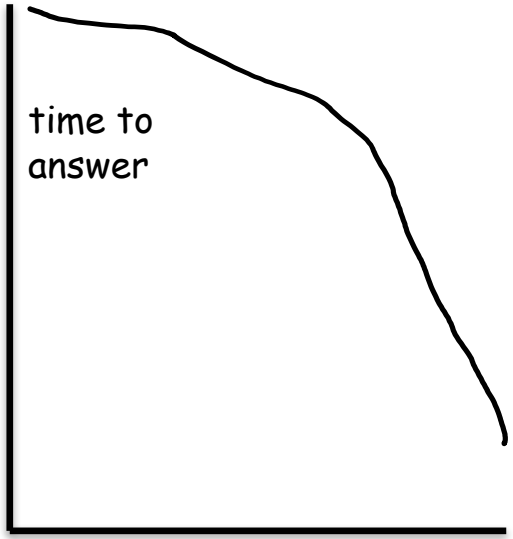
Most applications of AI have been designed for unstructured data

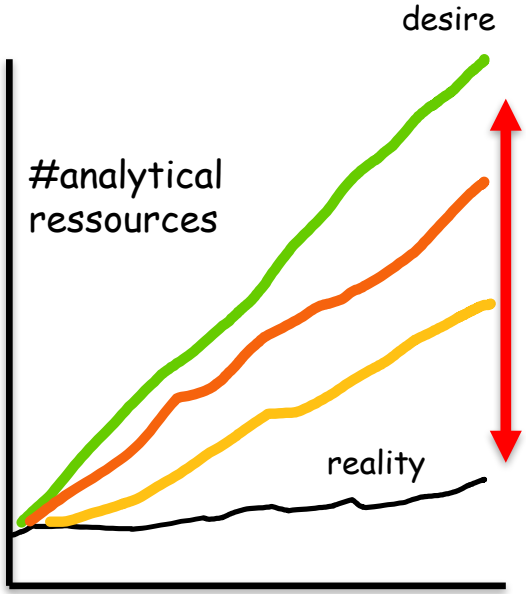


Chihuahua vs. Blueberry muffins

What is the current key analytics challenge with structured data?







Only 1 out of 5 people use analytics because it’s too hard

Source: Gartner

The need for data experts has created a massive bottleneck

1.5
MILLION
Data Experts

5
DAYS
To build one report

1.2
BILLION
Humans at Work

WHY NOW?

Companies that don’t transform digitally will die

52% FORTUNE 500

of Fortune 500 companies have disappeared since 2000

Why AI for BI?

Search lets you find what you can feasibly see
But it’s what you don’t see or don’t know to ask that makes the difference

AI reveals the hidden insights

Total sales, inventory over time

Thousands of available dimensions

Are there product(s) where sales is trending up much more than expected in the last 2 days?

100s of billions of rows

Drill down to hundreds of millions of products, 40k+ zip codes, etc…

Time critical responses needed

5

requirements for mass enablement and automation

#1

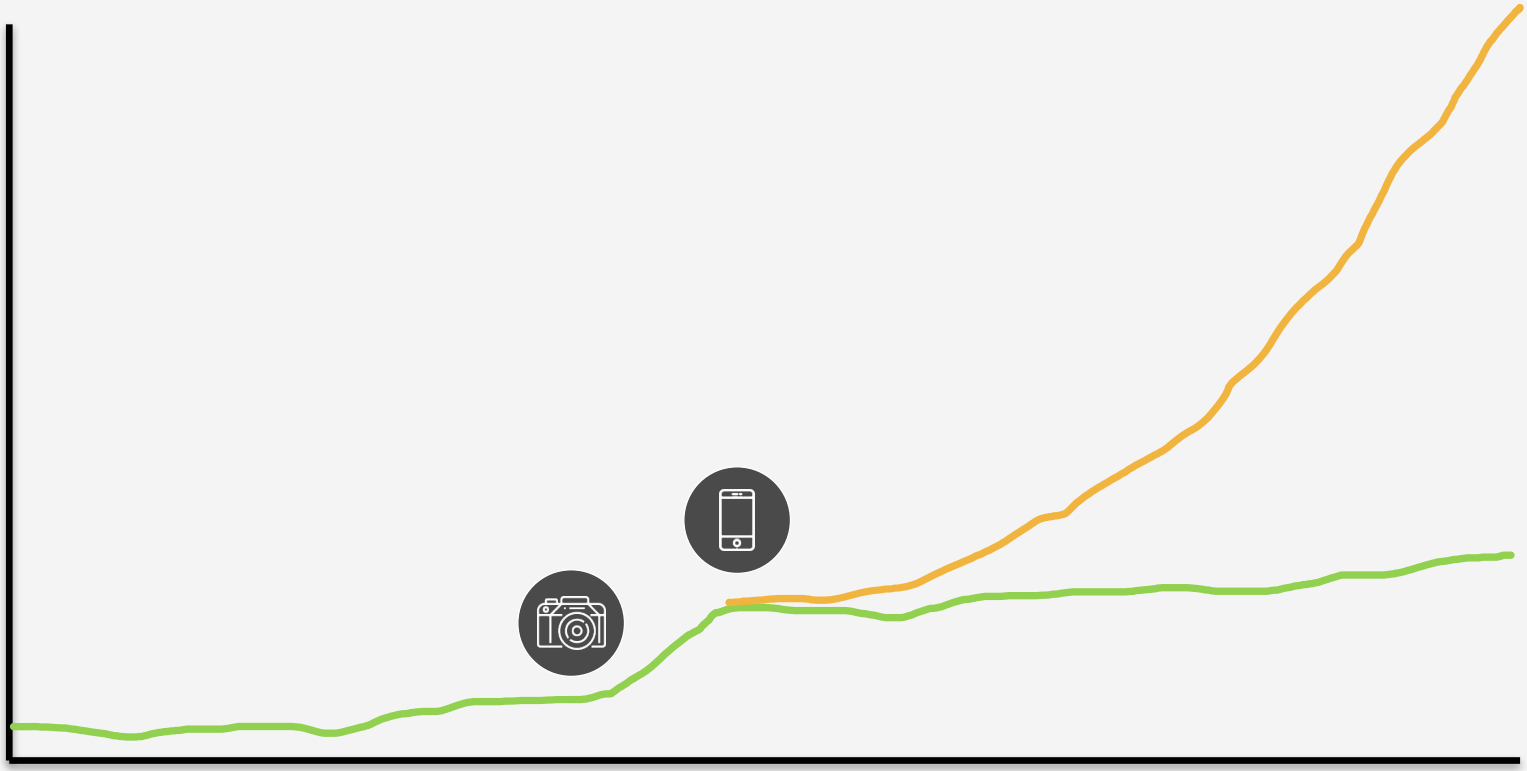
Support from AI needs to become as easy as taking a selfie

#1: Support from AI needs to become as easy as taking a selfie

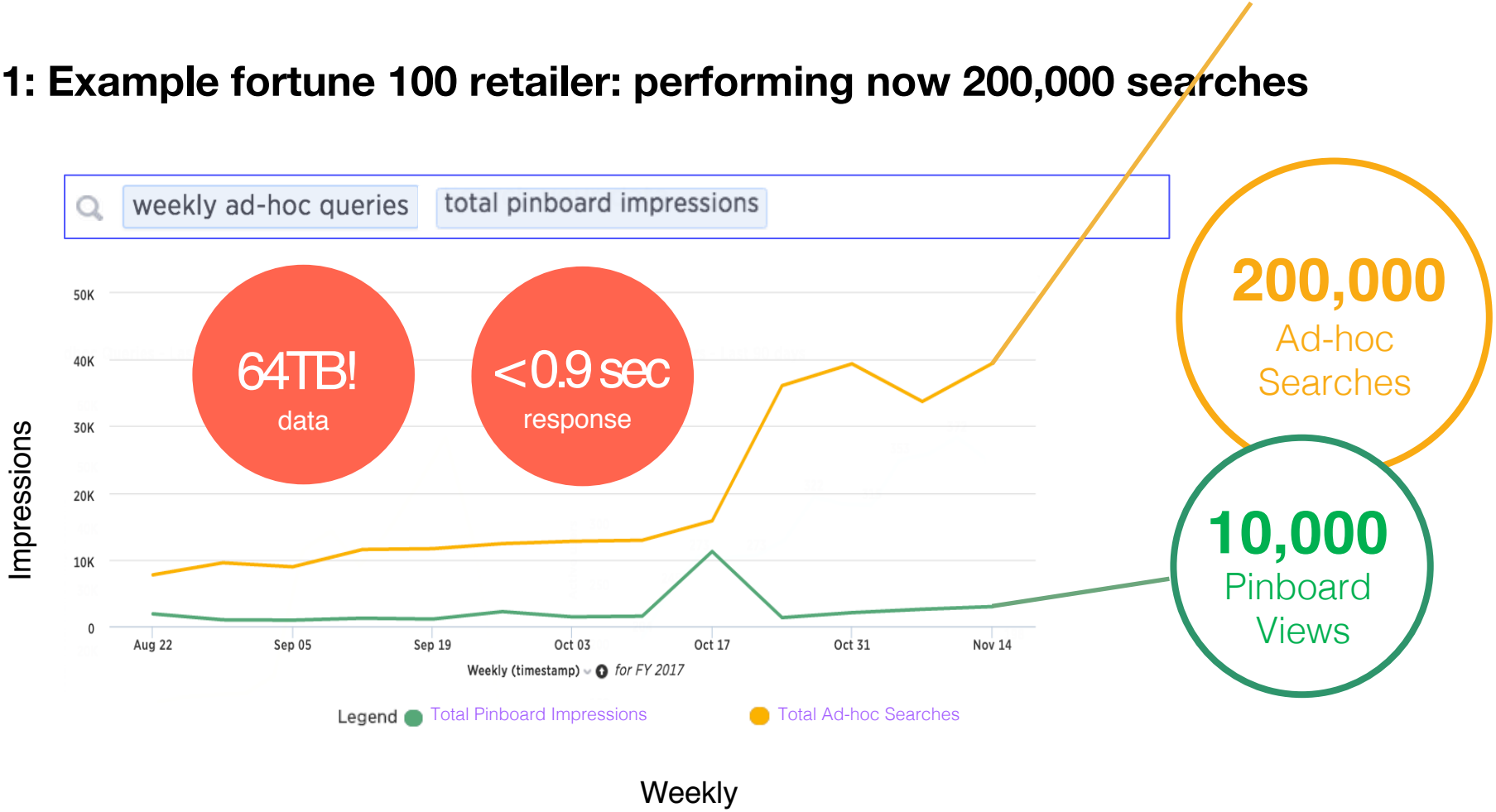
Citizen photo journalism with iPhone

Professional photographer with DLSR

#1: Support from AI needs to become as easy as taking a selfie



#1: Example fortune 100 retailer: performing now 200,000 searches



#2

Scale is paramount for AI success in Enterprises

Western Digital

OEM's (100) X DISTI's (200) X Retailers (500) X Manufacturing Sites (21) X Product Categories (79)

Similar odds to winning POWERBALL

16,590,000,000= Billions of Combinations

Enterprise Scale : An example from a Fortune 100 retailer

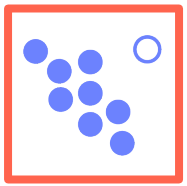
Sales analysis post a product launch

The AI component identified **unexpected** sales **trends**

#3

Insights must be relevant

Comprehensive set of Insights – Relevant for BI



Outliers

”Is there a cashier that has more returns than others?”

Trends

”How has new account signups increased after a targeted campaign?”

Correlations

”What is the lag between open pipeline and booking amount”

Clustering

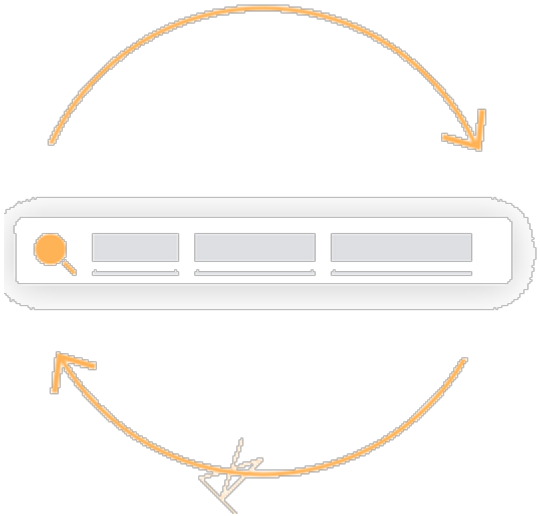
”Are there groups of customers for brand purchased?”

Comparisons

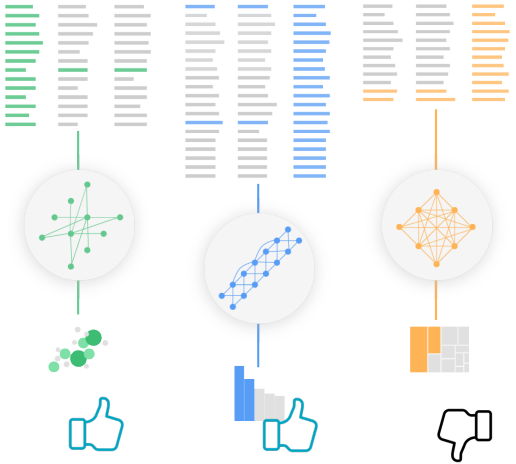
”What is causing the change in sales of a store in 2018 vs 2017?”

Relevance – Imagine movie recommendations without feedback?!

HUMAN INPUT



SpotIQ

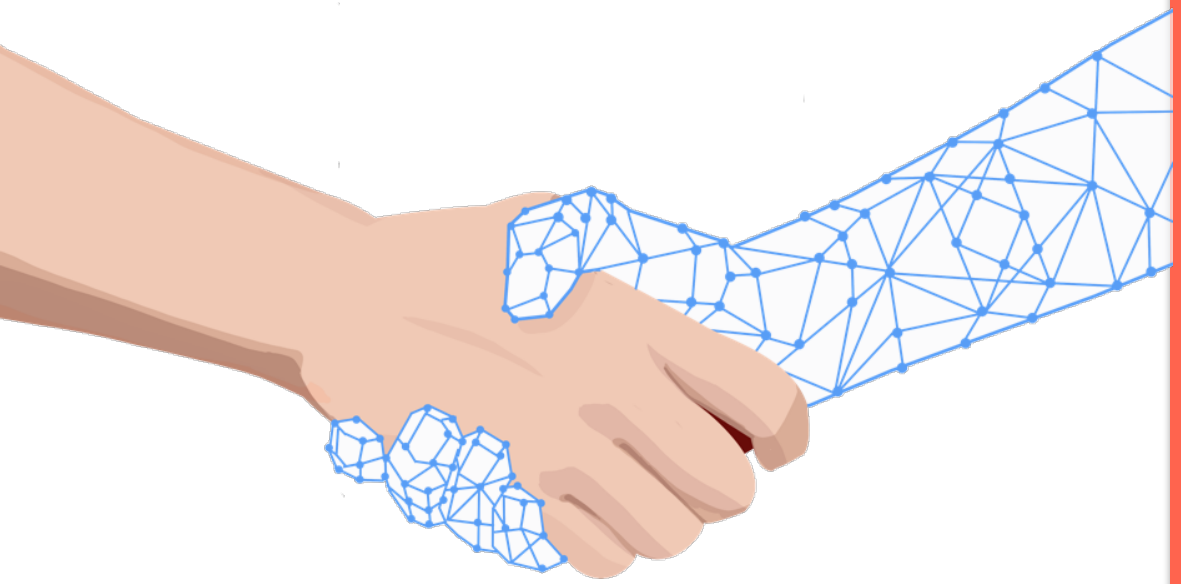


The more people & data, the smarter the platform
Human feedback loop for supervised learning

#4

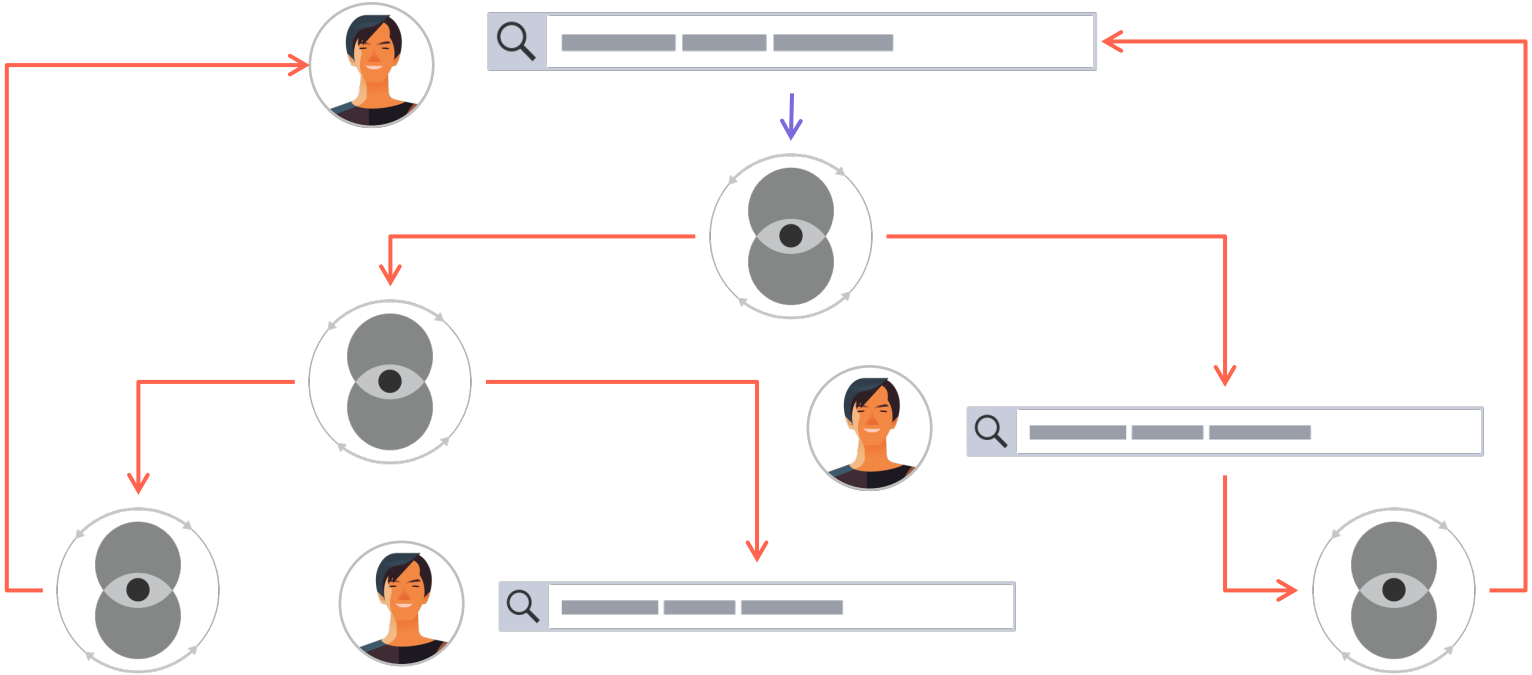
Establish trust

Trust



- Accuracy
- Security
- Transparency

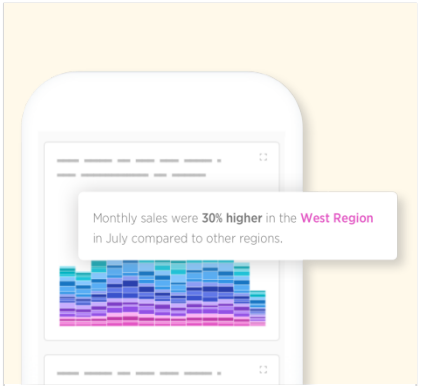
Transparency – AI is only one part of the journey to understand Data



Finally

Where do we go from here?

Less Input, More Output (LIMO)

Traditional BI	Search	Automated Insights	Self-Driving Analytics
			
Pre-anticipated Questions	Known Questions	Unknown Questions	Proactive Answers

High ← INPUT → Low

Low → OUTPUT → High

We are the only new entrant to the Leaders quadrant in 6 years

Gartner®

2019 Analytics
& BI Platforms
Magic Quadrant

Figure 1. Magic Quadrant for Analytics and Business Intelligence Platforms

Source: Gartner (February 2019)

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Named a
LEADER

ThoughtSpot
Good Afternoon
LOGIN
PASSWORD
Remember me
Sign In

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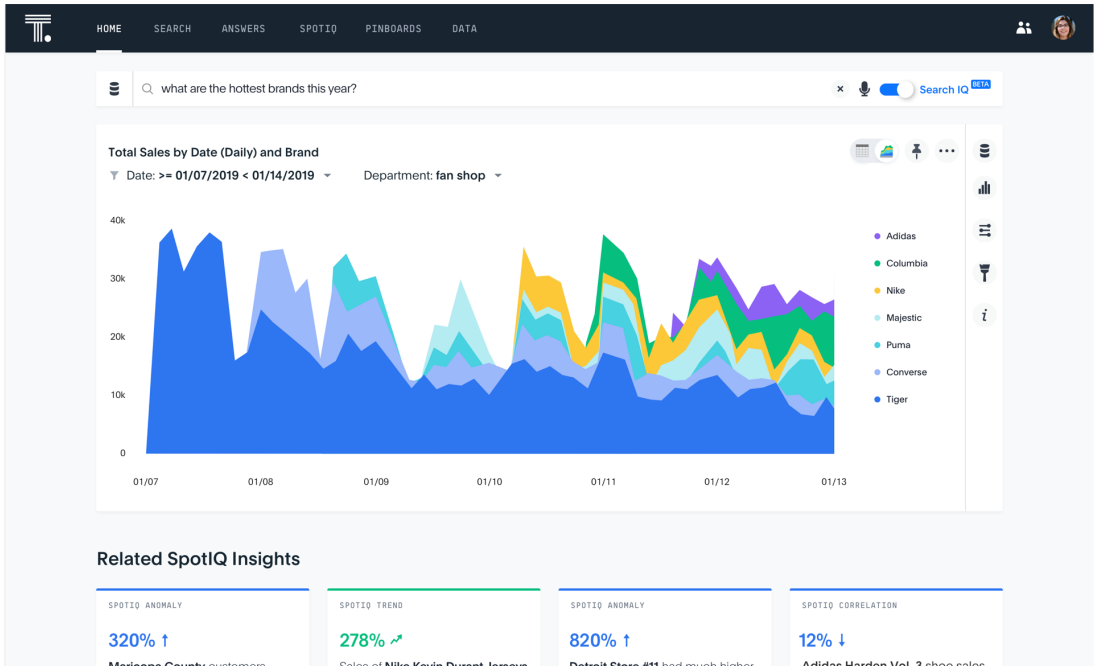
Search & AI-Driven Analytics

Next Generation Analytics Platform for the Enterprise



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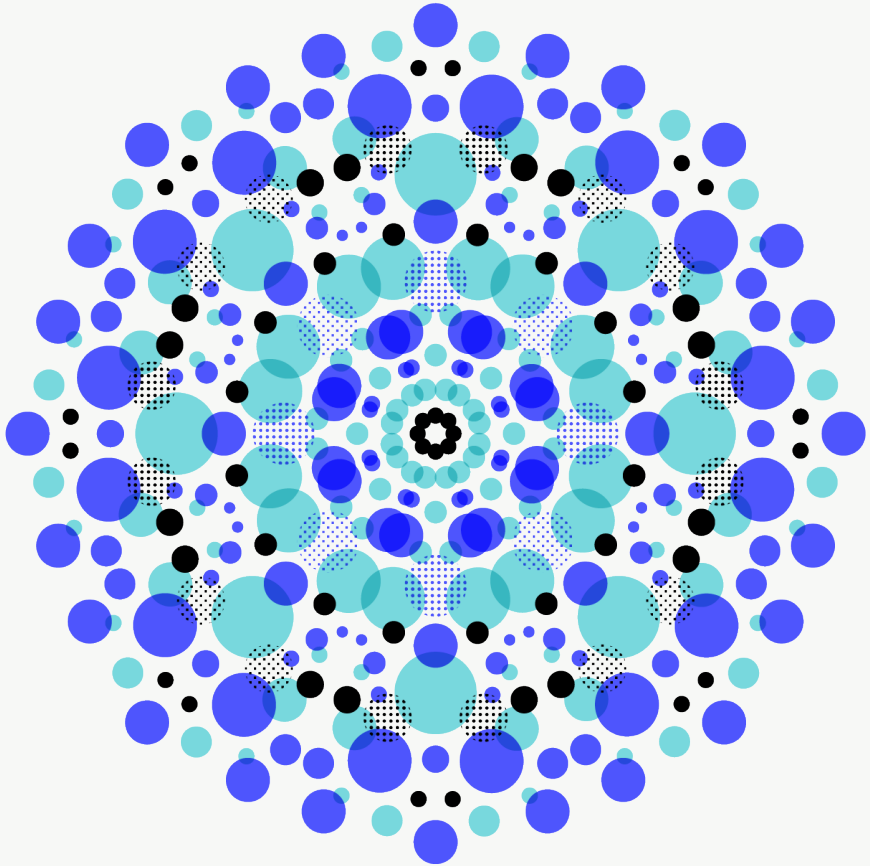
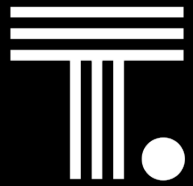
BEYOND.2019
DATA ANALYTICS CONFERENCE

Go Beyond Data.
Hello AI-Driven Insight.

October 15 - 17, 2019
Sheraton Hotel, Dallas, Texas



Register at gobeyond2019.com



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