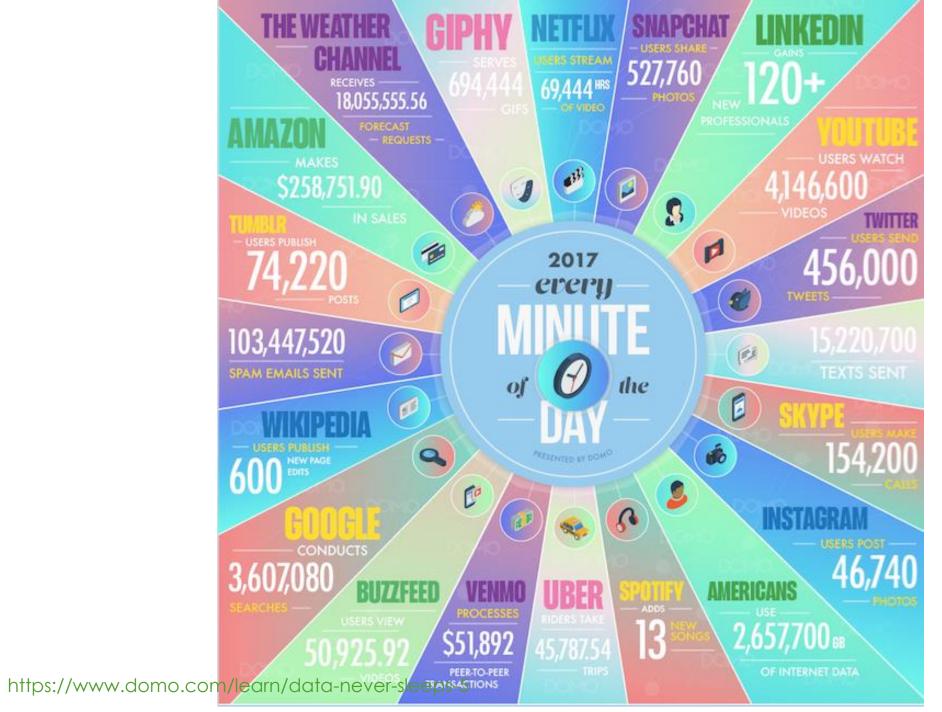
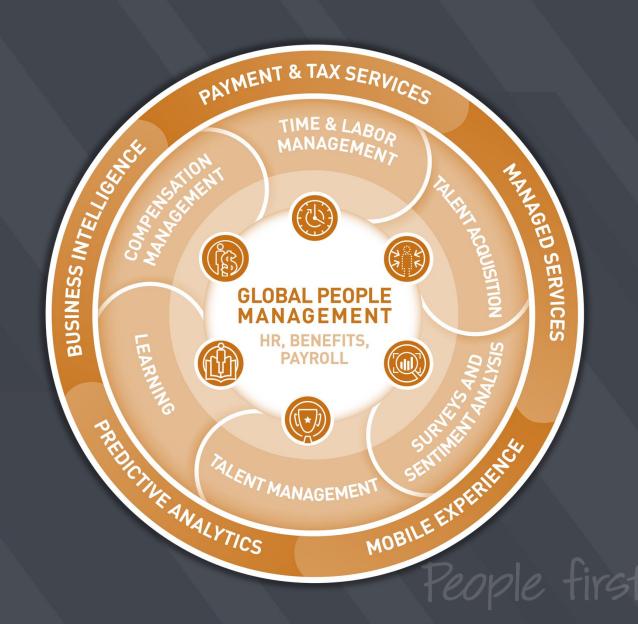


People first.



### HCM Data

There is a wealth of information in your employee lifecycle DATA







New technologies can help organizations understand employees like never before, and give leaders good advice

### Everybody's Talking About It

Big Data

Artificial Intelligence Natural Language Processing

Machine Learning Unstructured Data

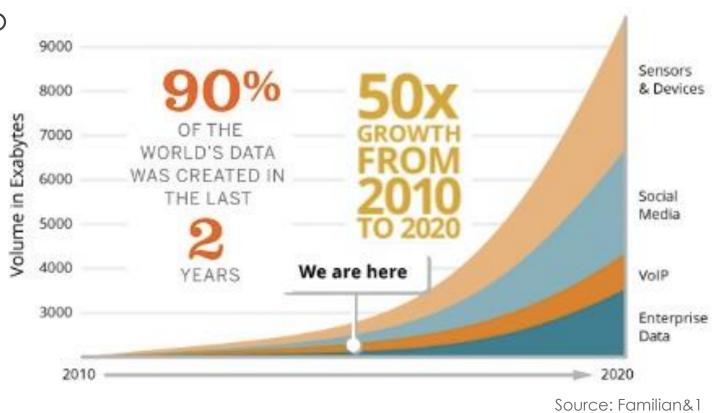
Sentiment Analysis Cognitive Computing



People first.

### Big Data

- Large data sets that can be analyzed by a computer to reveal patterns and associations
- Big Data sources in HR
  - HRMS
  - Performance Reviews
  - Surveys
  - Hiring Notes, etc.
- We use big data to reveal insights into human behavior and interactions







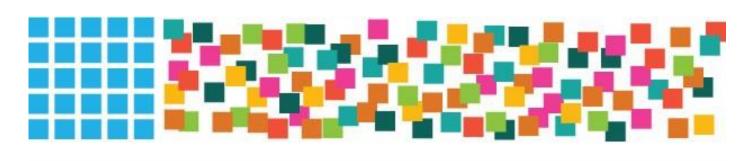
### Unstructured vs. Structured

- Structured data follows rules
  - Numbers
  - Date Fields
  - Multiple choice questions
  - The What

- Unstructured data is free-form
  - Reviews
  - Social media posts
  - Survey open-text responses

Source: IBM

• The Why





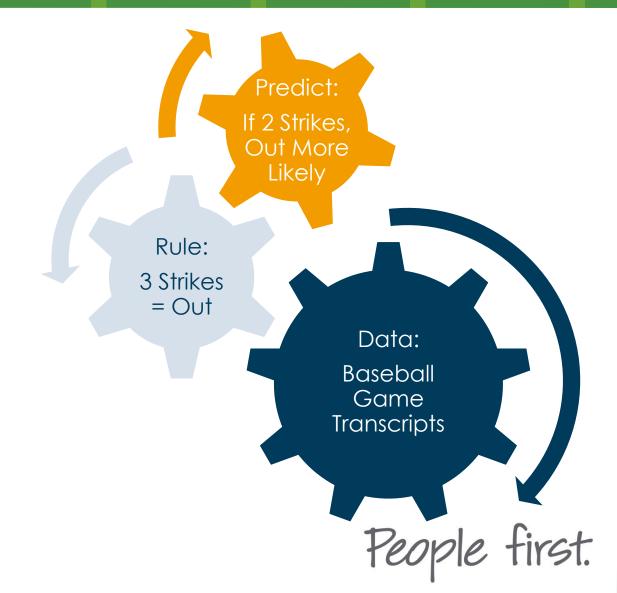


Pennle fire

### Machine Learning (ML)

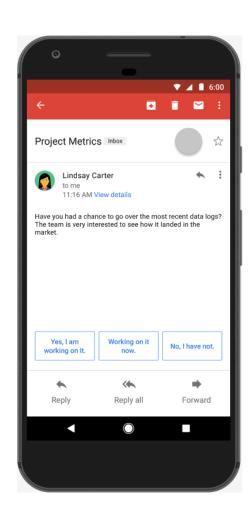
- Ability for computers to learn without being programmed
- Look at data to find patterns to learn from & make predictions about

 A set of identified patterns is called a "model"





### Machine Learning (ML)







### Machine Learning (ML)







### Natural Language Processing (NLP)

 Ability for computers to derive meaning from human language input (via text or voice)



Consumer: Alexa, Siri, Cortana/Chatbots



HR: "Anything else we can discuss?"

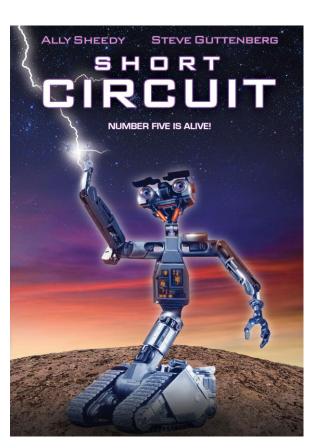


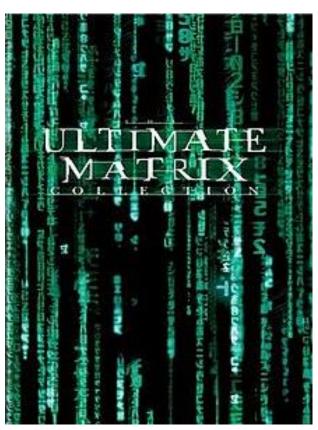
People first.

### Artificial Intelligence (AI)

Capability of a machine to imitate human intelligence



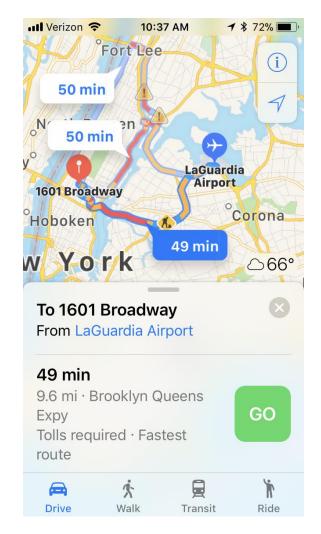


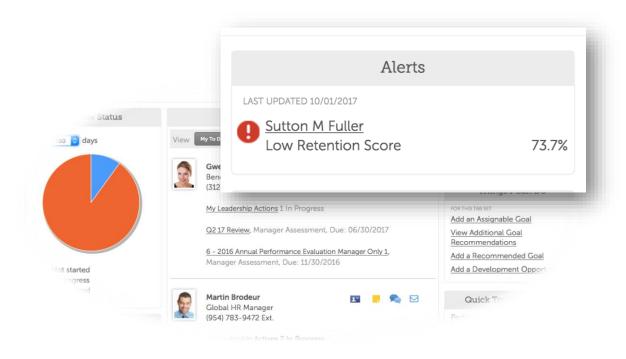




### Artificial Intelligence (AI)

Capability of a machine to imitate human intelligence









# Our Reality: Disruption is All Around Us

Business models & people are changing, organization structures can't keep up with change

### There are now 5 Generations

in the workplace—driving change

#### **Millennials**

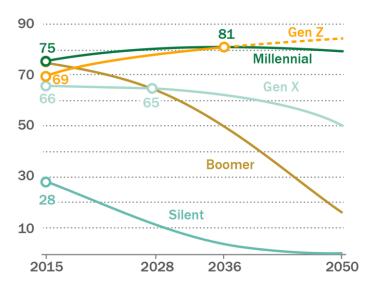
- Projected to be 75% of workforce by 2020
- Cost the US Economy \$30.5B/yr in turnover
- Value flexibility (more than pay)

### Gen Z

- The first generation with no ethnic majority
- Distrust authority, are highly competitive, and are less collaborative than millennials

#### **Projected Population by Generation**

In millions



Note: Millennials refers to the population ages 18 to 34 as of 2015.

Source: Pew Research Center tabulations of U.S. Census Bureau population projections released December 2014 and 2015 population estimates

**PEW RESEARCH CENTER** 



# And They Want to be Heard

3 out of 4 employees say that having their concerns heard and addressed is critical to retention

... more important than receiving personal recognition for their accomplishments



### Data



"The goal is to turn data into information, and information into insight."

- Carly Fiorina, former executive president, and chair of Hewlett-Packard Co.



### Feedback Beyond Surveys

Surveys have inherent limitations...





### PERCEPTIVE TECHNOLOGY

Offers a modern way to collect and understand employee feedback – enabling meaningful, relevant, conversational relationships with your people





### A Winning Data & Employee Game Plan



Data Science Uncovers the Unexpected



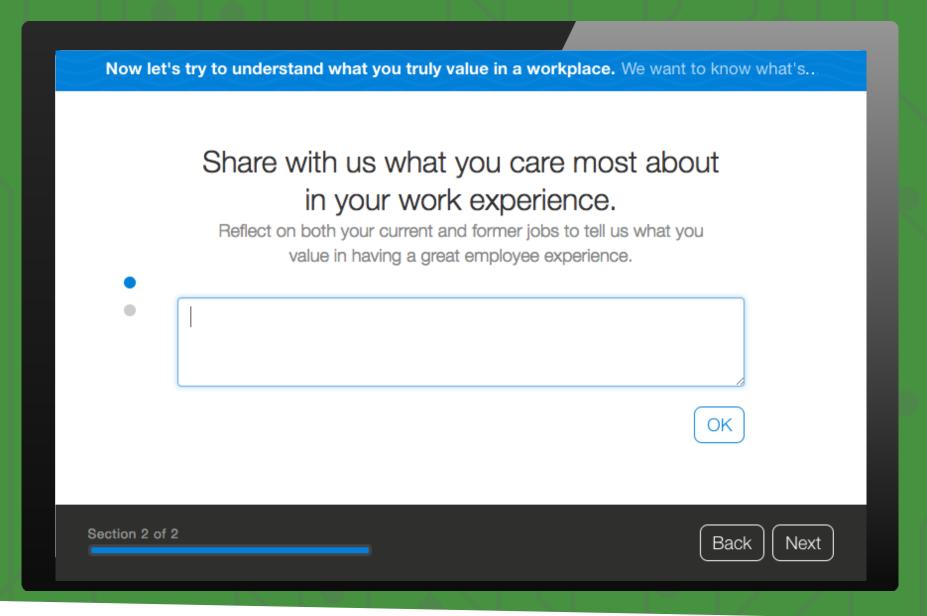
Listen to the Voice of your Employees (VoE)



Take Action to Impact Outcomes



People first.



### LISTEN

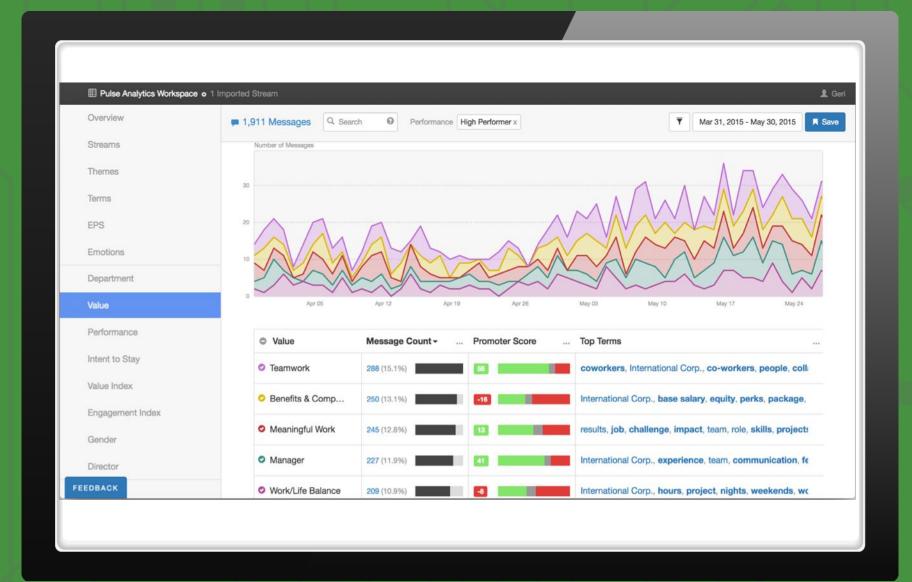
Conversational, event-driven surveys



### Sentiment Analysis

Helps employers understand not only what is said, but also how employees are feeling





### UNDERSTAND

Uncover the hidden meaning behind the words



### What are my team's strengths and areas of concern?

\* statistically significant difference

Strengths	Hooray!
Highest-rated rating questions and ranked as important	
My team is united in trying to reach our team OKR's.  Tagged: Team  Learning path available	4.5
I enjoy being part of the social activities of my team.  Tagged: Team  Learning path available	4.3

Areas of Concern  Lowest-rated rating questions and ranked as important	Focus area
Adam communicates a clear sense of the direction in which the company is headed.  Tagged: Senior Leadership  Learning path available	3.9
I am confident that our senior leadership is taking AtoZ in the right direction.	3.9

### ACT

Instantaneous recommendations enable leaders to take action



### What is the outcome?

35% reduction in voluntary turnover

3x improvement in identifying at-risk employees

2x improvement in identifying high performers



# Perception users outperformed the S&P 500 by 180% in 2016



### Demo

## QUESTIONS?