How to Make Sense of Your Data?



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SMART FARMING DATA SESSION – JUNE 12TH 2019





"Data is the new oil. It's valuable, but if unrefined it cannot really be used. It has to be changed into gas, plastic, chemicals, to create a valuable entity that drives profitable activity; so must data be broken down, analyzed for it to have value."— Clive Humby

What is Big Data?



Big Data can also be thought of as a **generic** term that describes the new way of understanding the world through personal data (Lemov, 2016; Lichy, Kachour & Khvatora, 2018)





of dataTescoFamiliesBookletpdf.pdf 2020, an increase of 300

times from 2005

6 BILLION

PEOPLE

have cell phones |





Volume **SCALE OF DATA**



Most companies in the U.S. have at least

Modern cars have close to

that monitor items such as

uel level and tire pressure

100 TERABYTES

100,000 GIGABYTES

It's estimated that

[2.3 TRILLION GIGABYTES]

2.5 QUINTILLION BYTES

of data are created each day

of data stored

100 SENSORS

The New York Stock Exchange captures

WORLD POPULATION: 7 BILLION

1 TB OF TRADE INFORMATION

during each trading session



Velocity

ANALYSIS OF STREAMING DATA

By 2016, it is projected there will be

18.9 BILLION **NETWORK** CONNECTIONS

- almost 2.5 connections per person on earth



The FOUR V's of Big Data

and services that the world relies on every day.

As a leader in the sector, IBM data scientists break big data into four dimensions: Volume, Velocity, Variety and Veracity

adapt their products and services to better meet

4.4 MILLION IT JOBS



As of 2011, the global size of data in healthcare was estimated to be

150 EXABYTES

[161 BILLION GIGABYTES]



Variety

DIFFERENT



FORMS OF DATA



By 2014, it's anticipated

WEARABLE, WIRELESS

HEALTH MONITORS

there will be

420 MILLION

are watched on YouTube each month



400 MILLION TWEETS

are sent per day by about 200 million monthly active users

30 BILLION PIECES OF CONTENT

are shared on Facebook every month

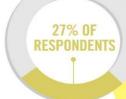






1 IN 3 BUSINESS **LEADERS**

don't trust the information they use to make decisions



in one survey were unsure of how much of their data was inaccurate



economy around

Poor data quality costs the US

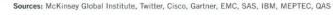
\$3.1 TRILLION A YEAR



Veracity

UNCERTAINTY OF DATA

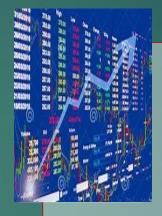




Types of Farm Data...



Milk production



Genetics



Market prices
/ trends



Breeding



Farm Data...



Field Data



Live Stock Management



Retail Data



Climate Weather



Satellite / Drone Data







COLLABORATION ...

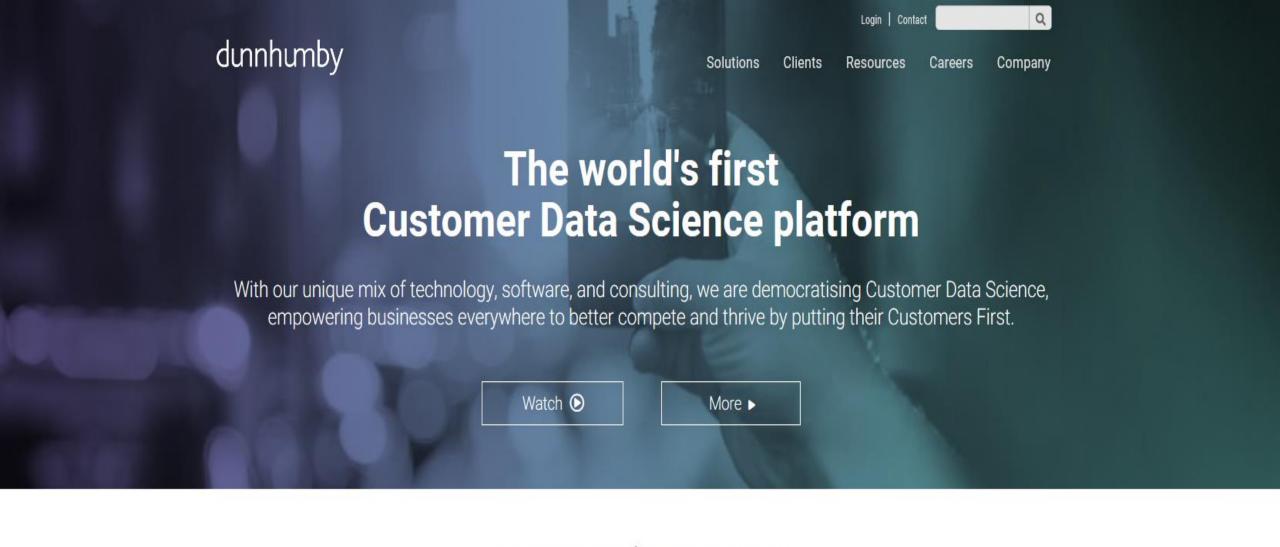












Why partner with dunnhumby?

For nearly 30 years, we've partnered with businesses around the world to use Customer Data Science to deliver exceptional customer experiences, personalised to their needs and expectations, wherever they are – in-store, offline and online. The results: competitive advantage against traditional and new market entrants, and increased revenue and profitability.

Open for Questions / Discussions.

Thank You.



