Getting Started:

After this video you will be able to...

- Name characteristics of Big Data that often gets referred to as "V's of Big Data" by name
- Explain what each refers to in the context of today's big data landscape



[43 TRILLION GIGABYTES] of data will be created by 2020, an increase of 300 times from 2005

It's estimated that 2.5 QUINTILLION BYTES

[2.3 TRILLION GIGABYTES] of data are created each day







Volume



Most companies in the U.S. have at least

100 TERABYTES

100,000 GIGABYTES] of data stored

The New York Stock Exchange captures

WORLD POPULATION: 7 BILLION

1 TB OF TRADE INFORMATION

during each trading session



Modern cars have close to

that monitor items such as fuel level and tire pressure

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



100 SENSORS

4.4 MILLION IT JOBS

The

of Big

Data

Velocity, Variety and Veracity

FOUR V's

break big data into four dimensions: Volume.



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

[161 BILLION GIGABYTES]



Variety DIFFERENT **FORMS OF DATA**

30 BILLION PIECES OF CONTENT

are shared on Facebook every month





there will be 420 MILLION WEARABLE, WIRELESS **HEALTH MONITORS**

By 2014, it's anticipated

4 BILLION+ **HOURS OF VIDEO**

are watched on YouTube each month



400 MILLION TWEETS

are sent per day by about 200 million monthly active users

1 IN 3 BUSINESS

don't trust the information they use to make decisions



Poor data quality costs the US \$3.1 TRILLION A YEAR

economy around



27% OF RESPONDENTS

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



UNCERTAINTY OF DATA



40 ZETTABYTES

[43 TRILLION GIGABYTES]

of data will be created by 2020, an increase of 300 times from 2005

BILLION

have cell phones

WORLD POPULATION: 7 BILLION





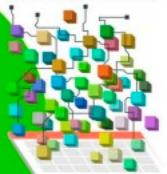


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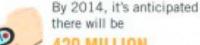
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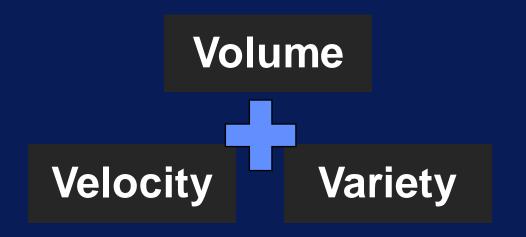


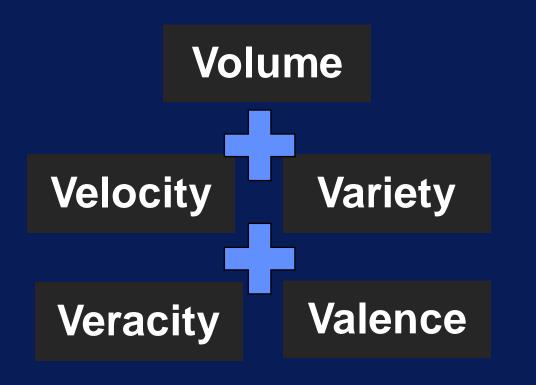


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Veracity

UNCERTAINTY OF DATA

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