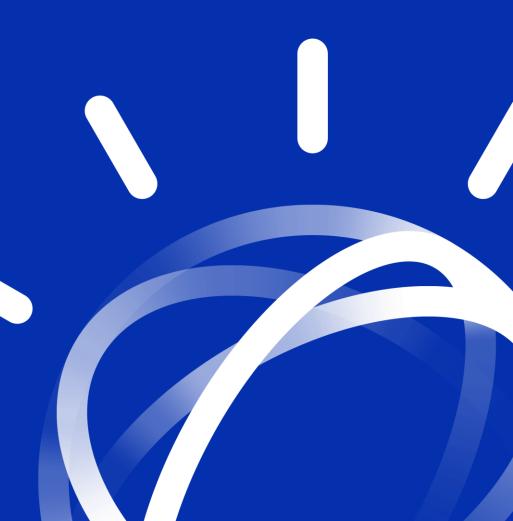
# IBM Watson Studio / IBM Cloud Private 4 Data

October 2018

Roy R Cecil Lead Architect Hybrid Data Management Lab Services Europe roy.cecil@pt.ibm.com











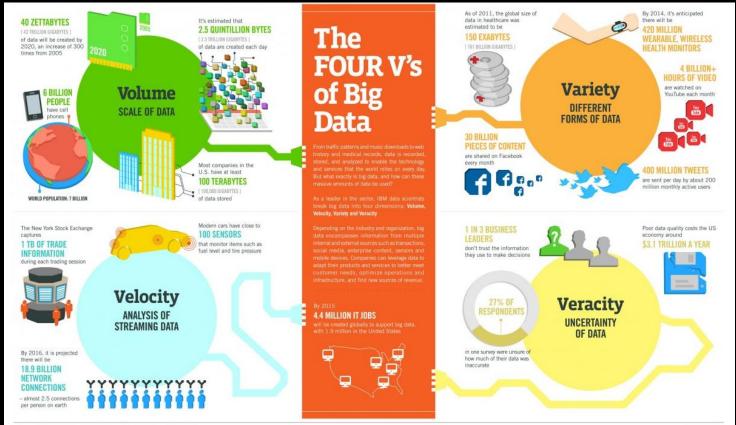
# y Value from Felways Easy!

# Problems Facing Advanced Analytics Projects

# **Data Resides in Silos**



#### Problems with Scaling, Data in motion, Unstructured data & Trust



Sources: McKinsey Global Institute, Twitter, Cisco, Gartner, EMC, SAS, IBM, MEPTEC, QAS

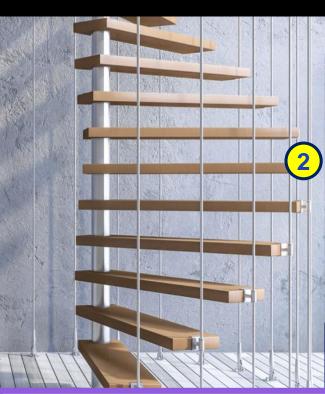
# Ability to fail fast!

#### Data Science is a team Sport



#### **Watson Studio / IBM Cloud Private for Data**

Helps make your data ready for AI





**Ladder to Al** 



Embed machine learning everywhere



**Analyze** insights on demand



Organize data so it can be trusted



**Collect** relevant data and make it simple & accessible



Strong Foundation - Built on "IBM Cloud"

### Lets start with Spreadsheet Analytics

Year	Sales
2000	234
2005	2345
2010	2340013
2015	30012333
Total Sales	2342592

Year	Sales
2000	234
2005	2345
2010	2340013
2015	30 <mark>0</mark> 12333
Total Sales	2342592

Year	Sales
2000	234
2005	2345
2010	2340013
2015	30012333
Total Sales	32354925



"

"In its Sept. 27, 2014, presentation to the Board of Directors, Goldman Sachs, using the spreadsheet, used a share count that overstated [Tibco's] fully diluted common stock by the number of shares of restricted stock..."

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# What are the problems with Spreadsheet Analytics?

- No Data Models
- Weak Typing
- Primitive Error Checking
- Data Manipulation is tedious
- Problems with scale
- Less efficient for concurrent processing.
- Non Numeric data (Text, Images, Sounds etc.)

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What is the alternative?

Data Stores & Data Compute Frameworks



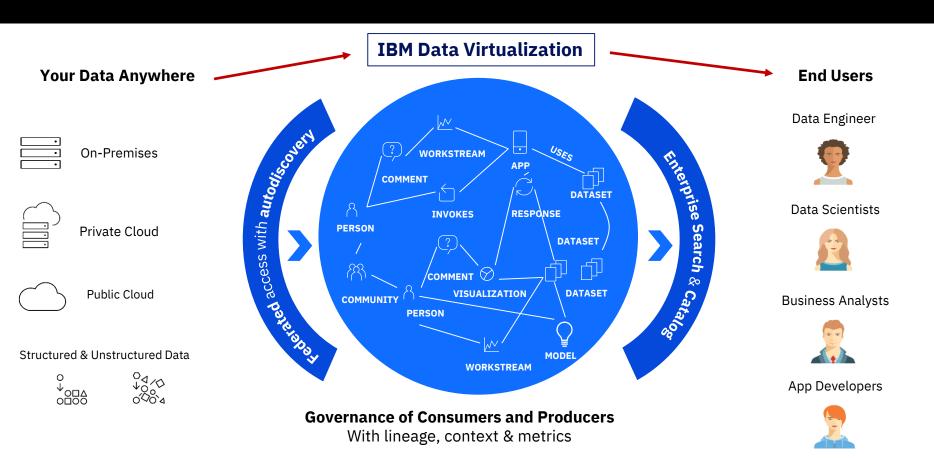
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### **Watson Studio / ICP4D: AI for Smarter Business**

Watson Business Solutions			Wat	Watson Applications		ISV & Th	ISV & Third Party Applications		
Compliance Assist	Customer Care	Expert Assist	Voice of the Customer	Watson Assistant	Watson Cybersecurity	Compare & Comply			
				Wat	son Studio				
				Wat	tson APIs				
Conn	ect & Access Data	Search & Relevant I		Prepare Data (Ingest, Curate, & Enrich)	> Build 8		Deploy AI Models	> Monitor, A Mana	
				Continu	uous Learning				
			Watson Ma	achine Learning	and Deep Lea	arning as a Se	ervice		
				Watson Kn	owledge Cata	alog			
Watson Enriched Data & Watson Powered Search & Social Collaboration			h & Ac			Governance, Data Kits		Kits	

#### IBM Cloud Private for Data

Use Case: Manage All Your Data – regardless of where it lives



# Collect Hybrid Data Management



All Data

**Open Source** 

Common Application Layer

Write Once, Deploy Anywhere

#### **Organize**

# Unified Governance and Integration



Find, Catalog and Mask data

**Integrate Fluid Data** 

**Built-in Compliance** 

Machine Learning Powered

# Analyze Data Science and Business Analytics



Descriptive, Prescriptive, Predictive

Coders and Non-Coders

**Advanced Analytics** 

## **Useful URL's**

Watson Studio
<a href="http://dataplatform.ibm.com">http://dataplatform.ibm.com</a>
Academic Initiatives
<a href="https://developer.ibm.com/academic">https://developer.ibm.com/academic</a>

# IBM Watson®

Get started today <a href="www.ibm.com/watson">www.ibm.com/watson</a>