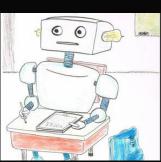
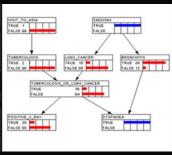
Data Analytics: a New Imperative in Business Education

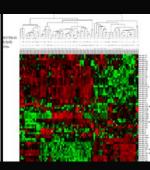












24th CEEMAN Annual Conference Management Education for a Digital World



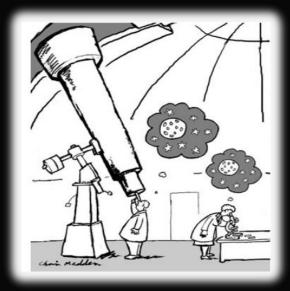
Eitel J.M. Lauría September 30, 2016



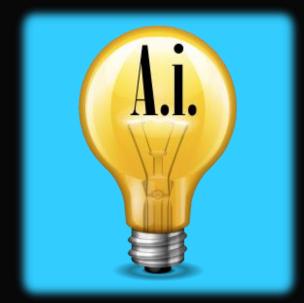
"Every two days now we create as much information as we did from the dawn of civilization up until 2003"

Eric Schmidt Google, Alphabet

3Vs (volume, velocity, variety)



Insight



AI-driven Innovation



(...and DATA is the only Vertical ...)

Data-driven disruption

What are we training students for ?



Autivariate Statistics Algebra
Calculus Optimization Data
Optimization Structures

Structures Machine

Information Machine
Theory Learning

Artificial Theory of Intelligence computation Discrete Mathematics



Python R MATLAB Excell Java numpy Weka pandas Node.js HTML5

CSS SAS Angular Javascript Scala

D3 Knime SPSS RapidMiner

Tableau

Unix/Linux SQL Hadoop

NoSQL Spark OLAP

ETL SQL

Data Server

Warehousing MySQL Hive

MongoDB Azure

Bluemix Hbase

Cassandra AWS



Foundations



QlikView ggplot2

Matplotlib

Software Programming



IT enablement

How much?

Visual vs Coding?

How deep into IT infrastructure ?

Data Analytics

Data Extraction and Manipulation

Data Visualization and Reporting

Data Mining and Predictive Modeling



practitioner



