# Think Like a Futurist: 5 Steps to Future-Proof Your Strategic Technology Plan

http://www.corizuppo.com

If I can get it right, then I can meaningfully touch the lives of almost everybody on the planet.

"

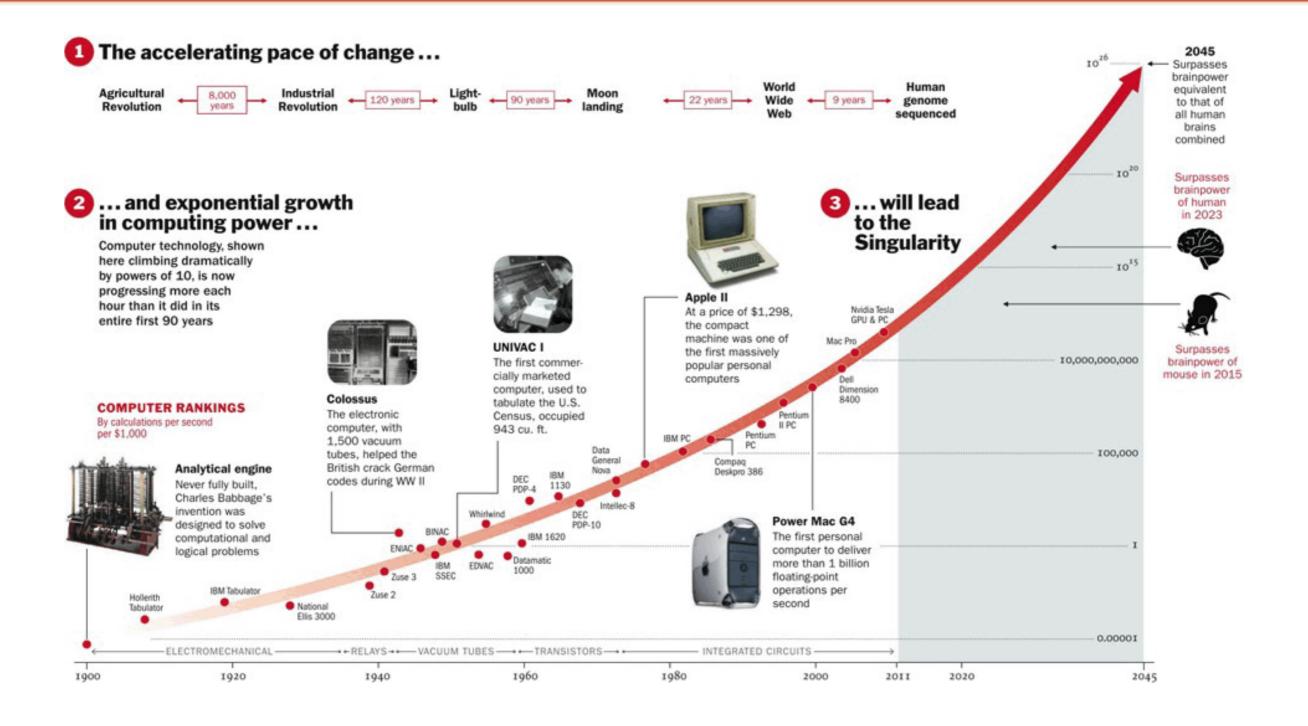
~ Brian David Johnson, Chief Futurist for Intel

## Everyone is a technologist.

## Everyone must take risks to learn.

## Everything is applied.

## Moore's Law

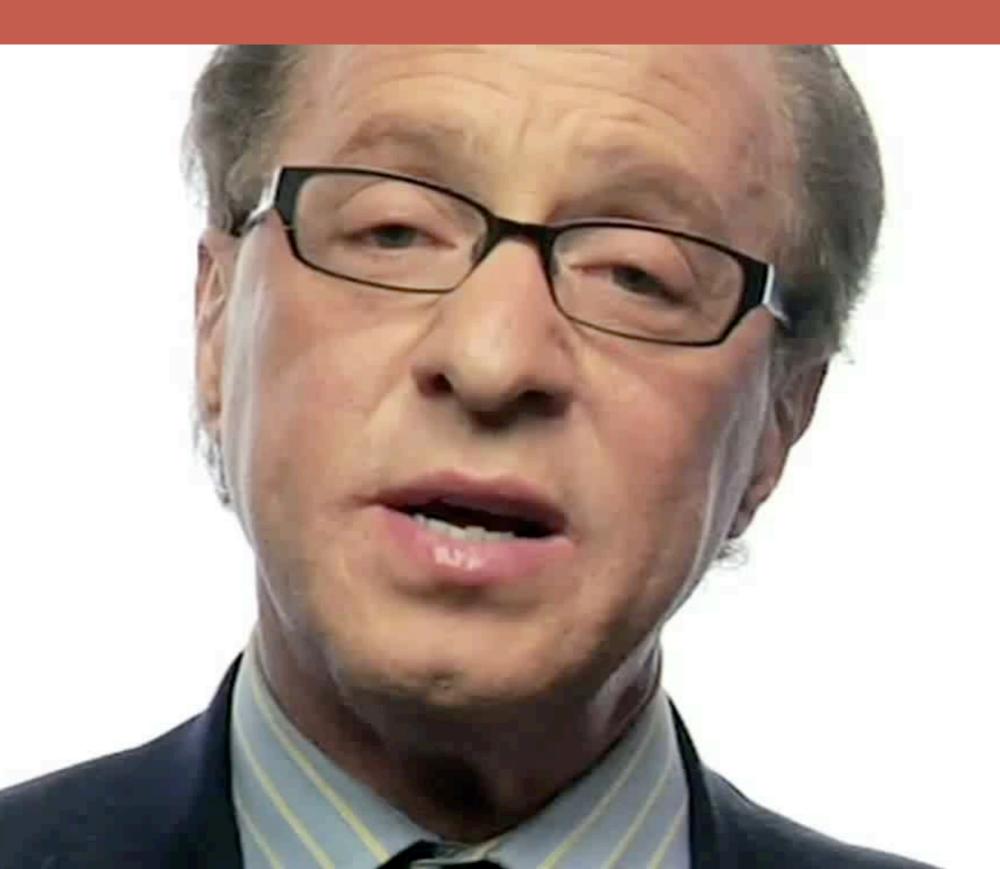


## Dr. Michio Kaku -





## Kurzweil's Singularity

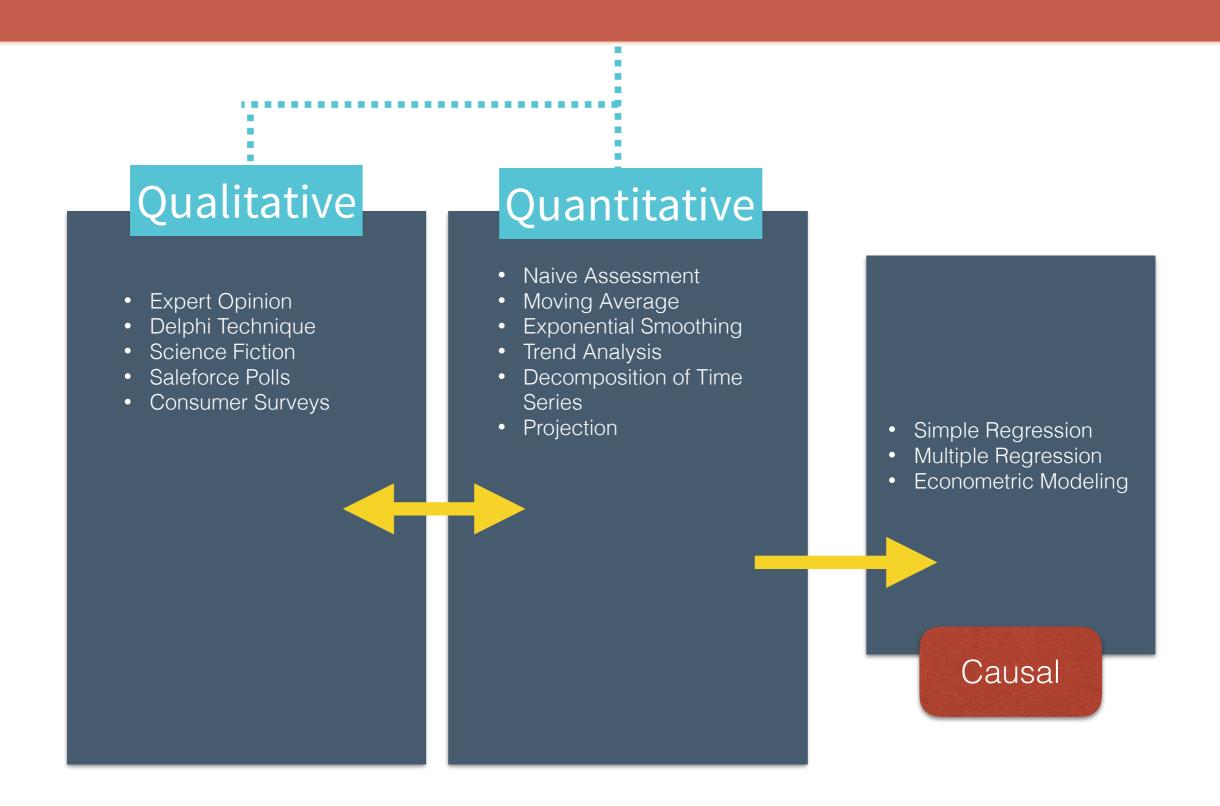


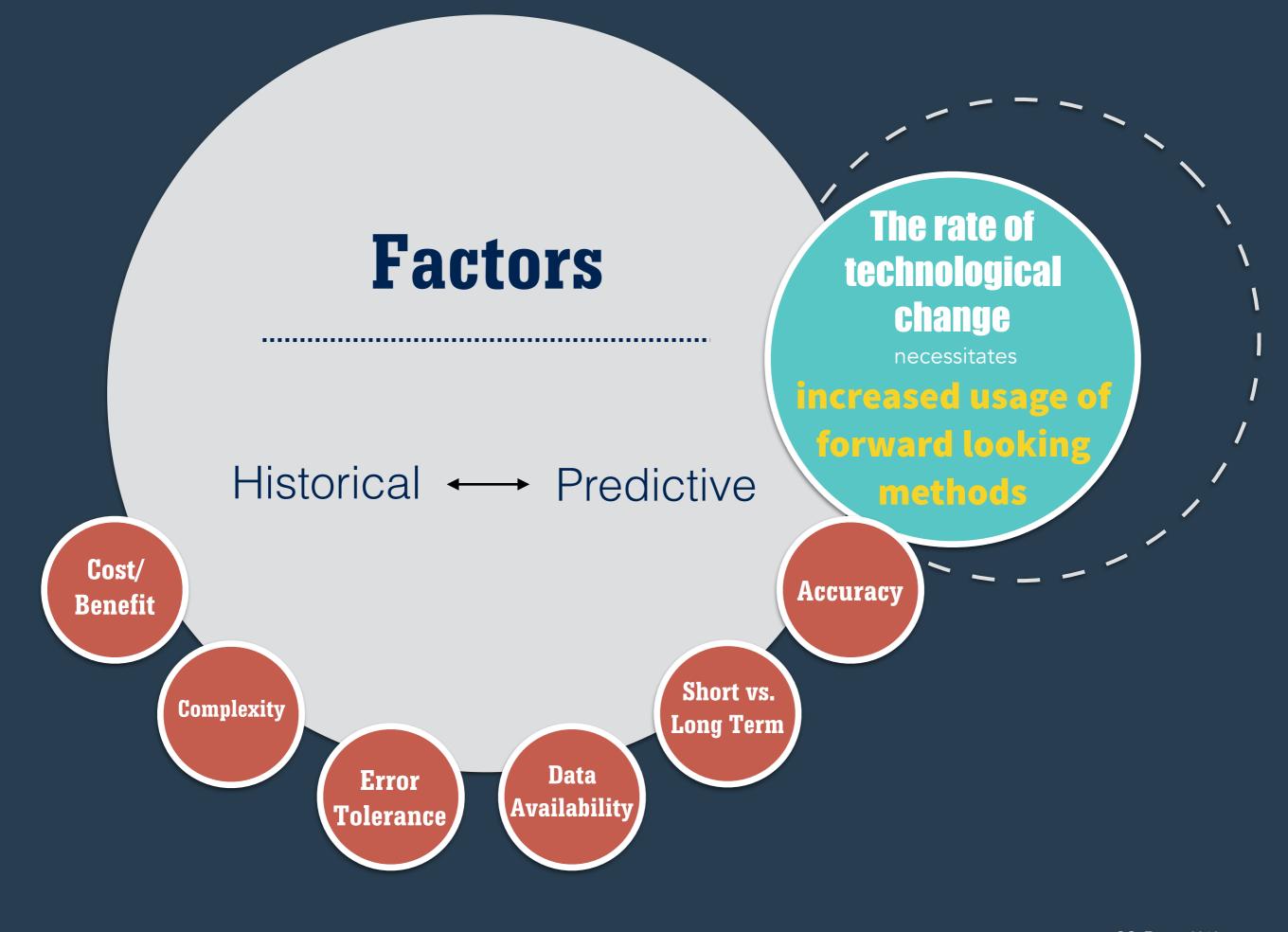


# CONGRATULATIONS. YOU HAVE ARRIVED.

## Forecasting Methods

## Categories





# Assumptions ©C. Zuppo 2016







## Allow for errors & the unexpected

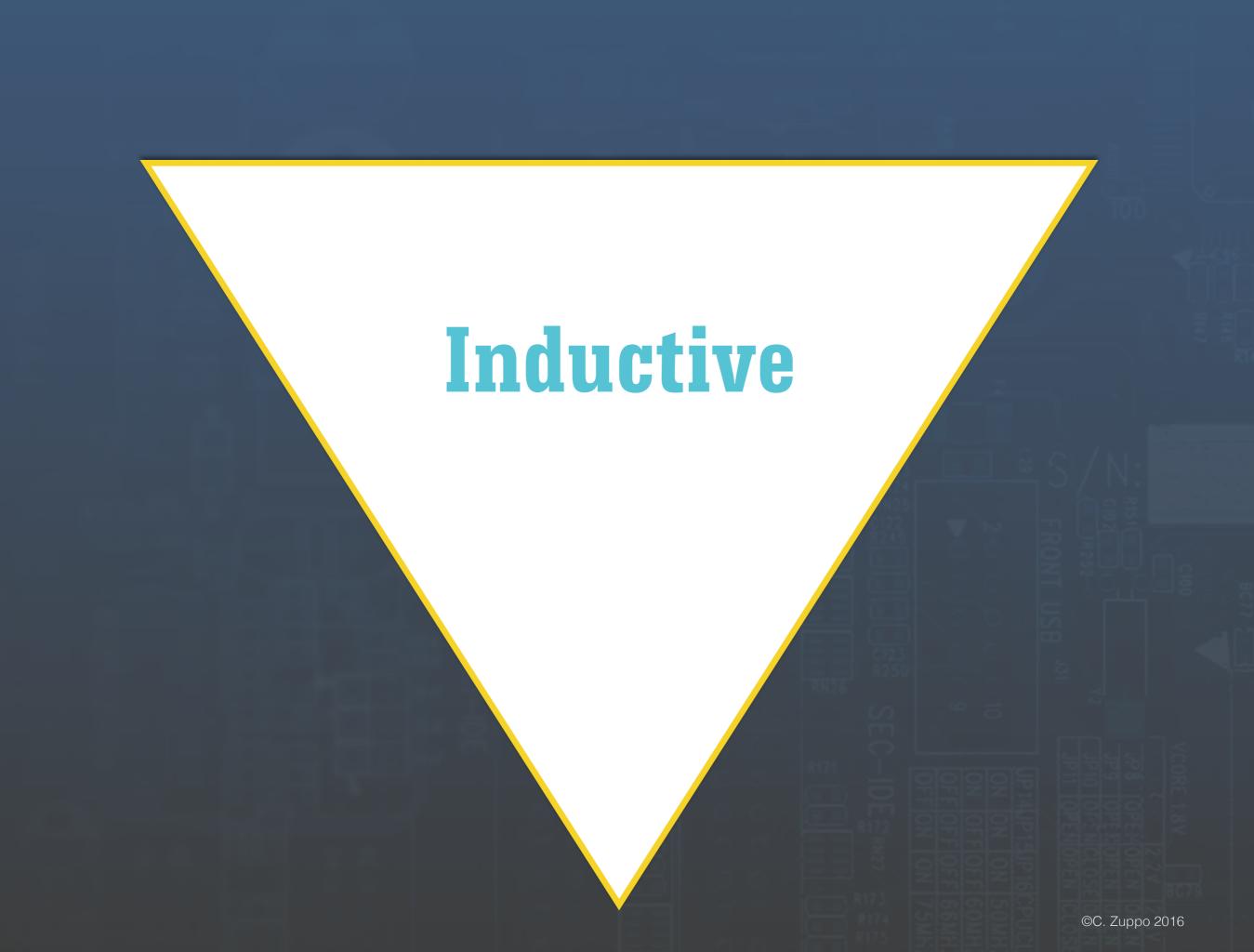


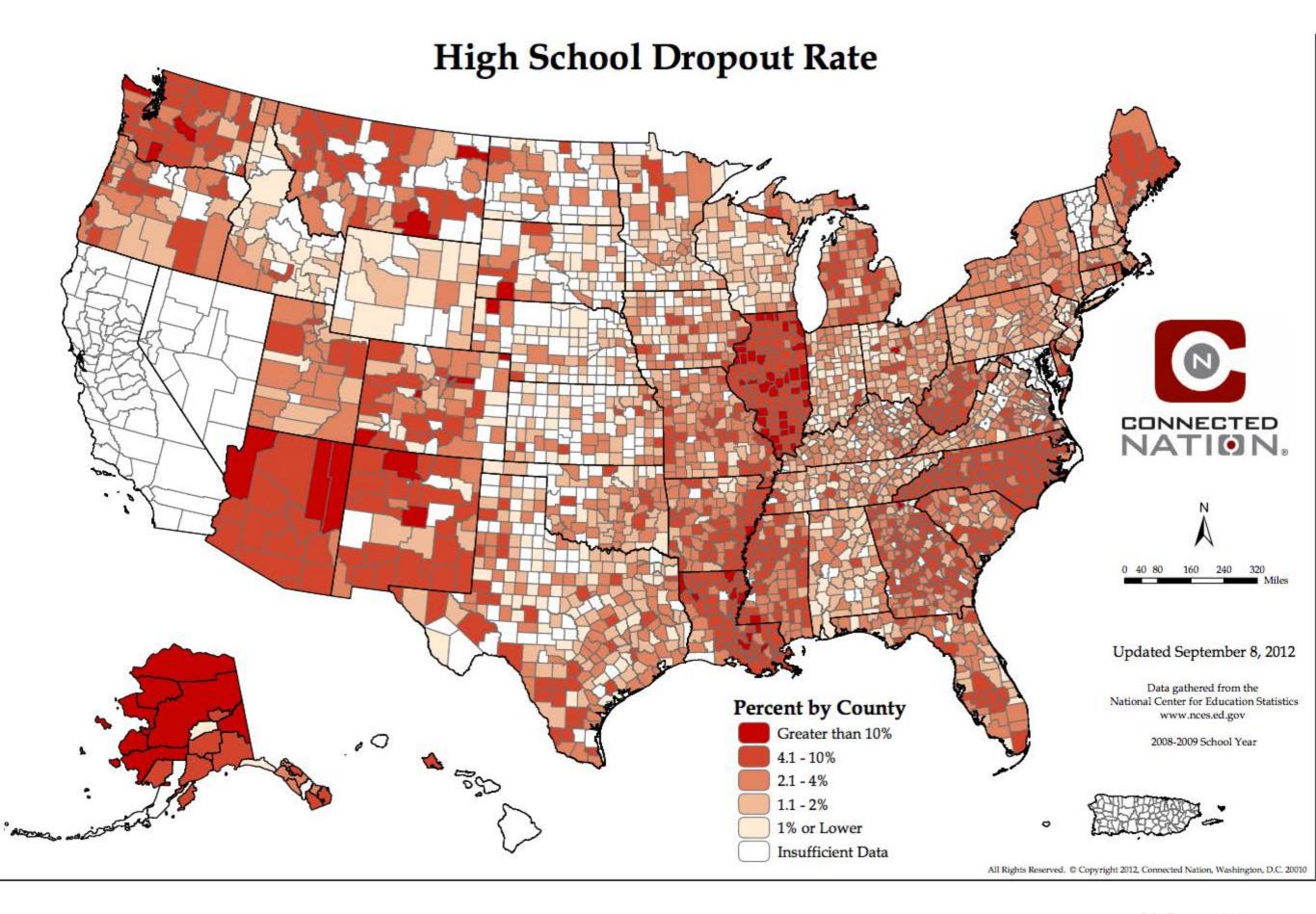
## Time series & accuracy are negatively correlated

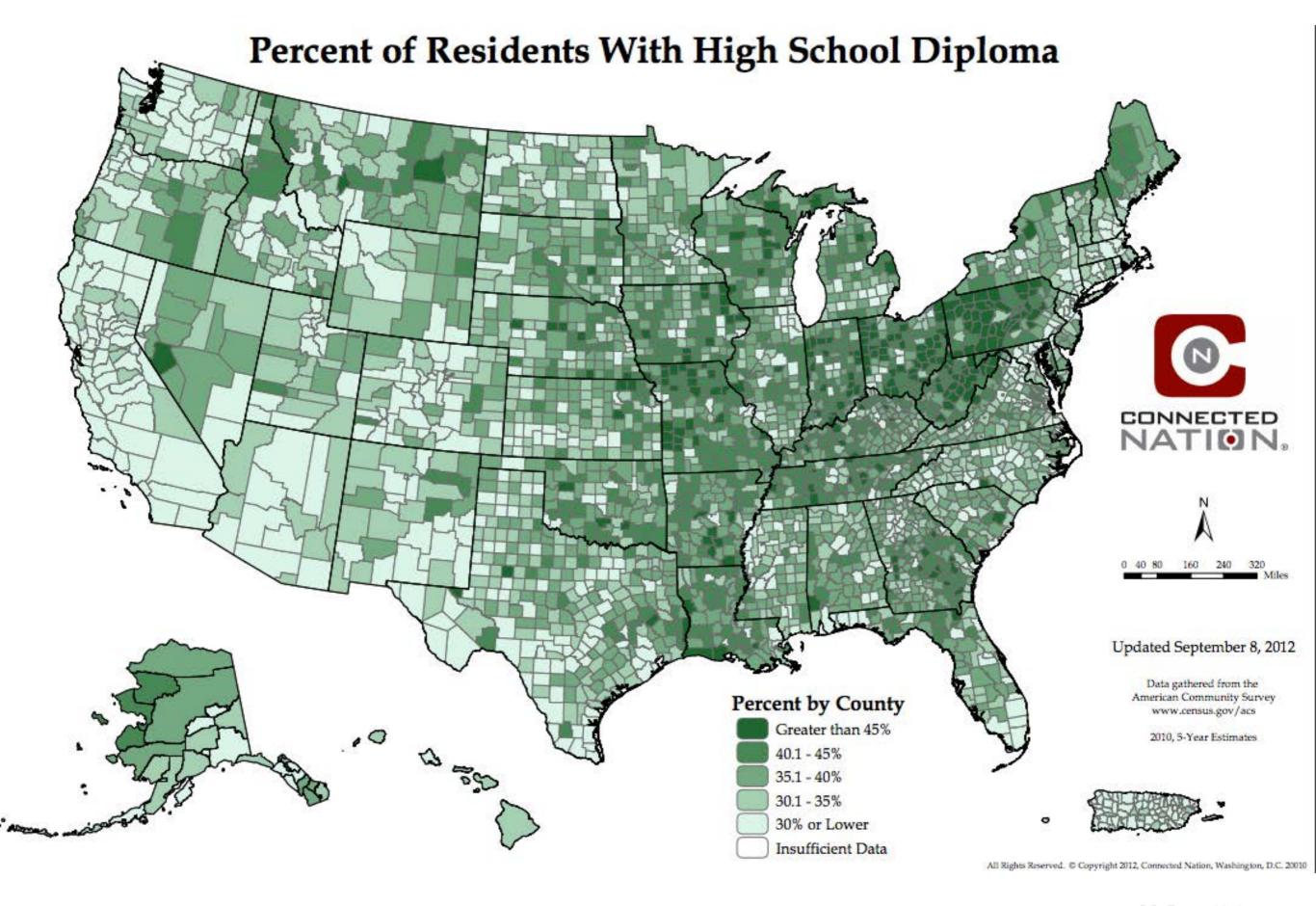


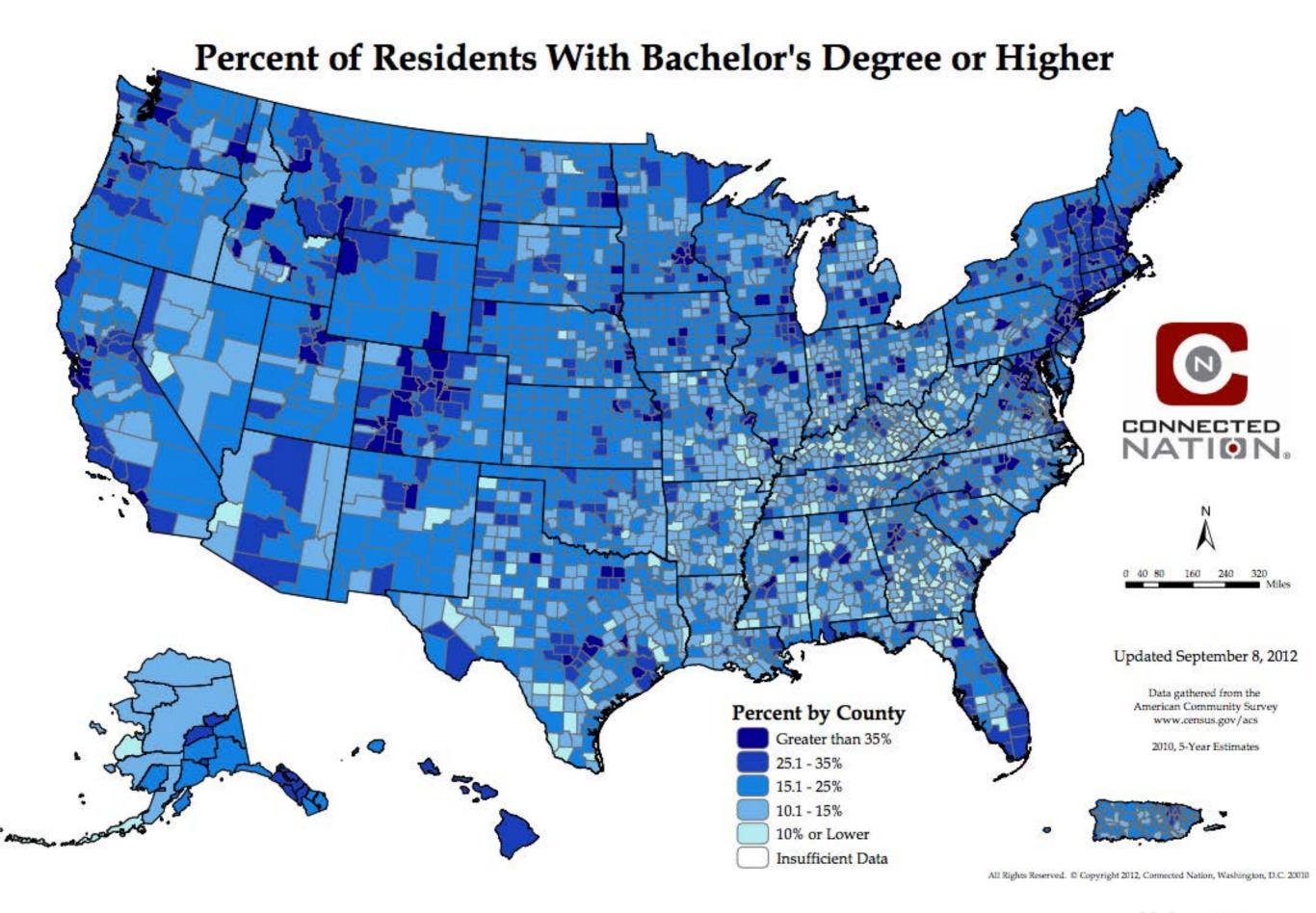
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## What does the research say?











### GLOBAL DIGITAL SNAPSHOT

A SNAPSHOT OF THE WORLD'S KEY DIGITAL STATISTICAL INDICATORS

TOTAL POPULATION

INTERNET USERS ACTIVE SOCIAL MEDIA USERS UNIQUE MOBILE USERS ACTIVE MOBILE SOCIAL USERS











7.395 BILLION 3.419 BILLION 2.307 BILLION 3.790 BILLION 1.968 BILLION

URBANISATION: 54%

PENETRATION: 46%

PENETRATION: 31%

PENETRATION: 51%

PENETRATION: 27%

POPULATION, INCLUDING CHILDREN

PIOURE MOLUTES ADDESS VIA PIXED AND INDEXE COMMECTIONS PROUNT BASED ON ACTIVE USER. ACCOUNTS, NOT LANGUE INDIVIDUALS. PROGRE REPRESENTS GNIOLE MOBILE PHONE GREES PROVING BASED ON ACTIVE LISER ADDICEMES, NOT SMOKE INDIVIDUALS



### **ANNUAL GROWTH**

YEAR-ON-YEAR GROWTH TRENDS FOR KEY DIGITAL STATISTICAL INDICATORS



GROWTH IN THE NUMBER OF ACTIVE INTERNET USERS GROWTH IN THE NUMBER OF ACTIVE SOCIAL MEDIA USERS GROWTH IN THE NUMBER OF UNIQUE MOBILE USERS GROWTH IN THE NUMBER OF ACTIVE MOBILE SOCIAL USERS



+10%

SINCE JAN 2015

+332 MILLION

+10%

SINCE JAN 2015

+219 MILLION

+4%

SINCE JAN 2015

+141 MILLION

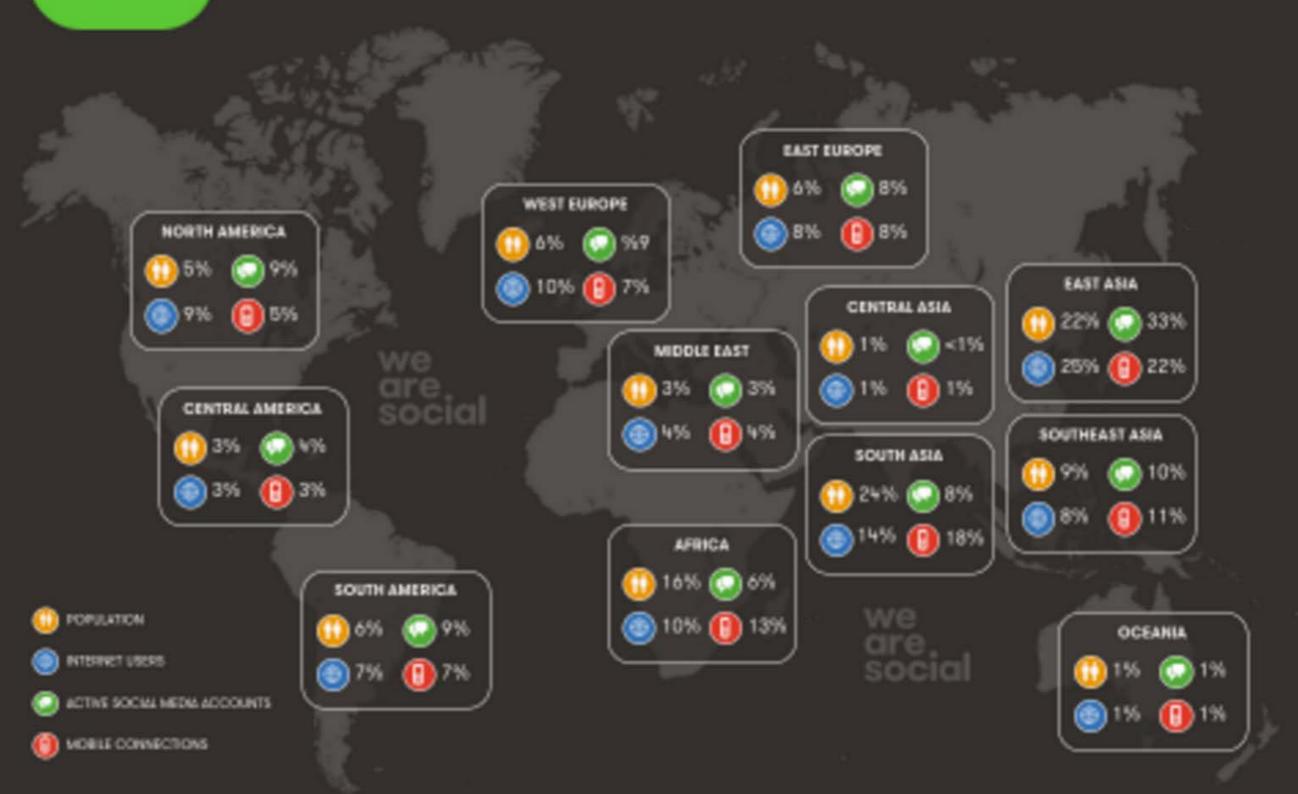
+17%

SINCE JAN 2015

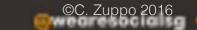
+283 MILLION

JAN 2016

### SHARE OF GLOBAL USERS





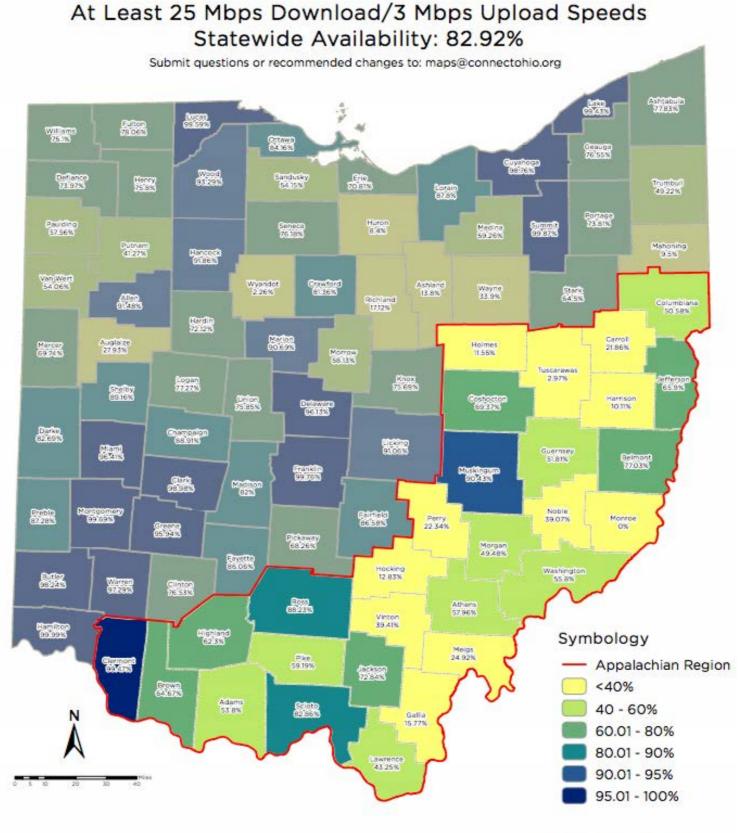


#### Broadband Availability in the State of Ohio Percentage of Households Served by Terrestrial, Non-Mobile Broadband Service

At Least 3 Mbps Download/768 Kbps Upload Speeds Statewide Availability: 98.19% Submit questions or recommended changes to: maps@connectohio.org Ashtabula 91/35% Williams 99/66% Defiance 99.96% Henry 100% Trumbull 97.56% Paulding 99.39% Huron 99.99% Seneca 99.99% Hancock 99:78% Van Wert 99:26% Crawford 99.88% Wayne 98.86% Allen 99.86% Columbiana 84.44% Hardin 98:79% Carroll 71.01% Auglaize 99.8% Mercer 99.95% Holmes 85:18% Morrow 98.17% Tuscarawa 93:28% Knox 94:26% Logan 98.3% Shelby 99.93% Harrison 68.02% Union 99.81% Coshocton 84.57% Delaware 99.99% Darke 99/24% Champaign 99.76% Miami 99.9% Guernsey 85.43% Belmont 87.11% Franklin 99.98% Clark 99.98% Madison 99/39% Preble 98.34% Montgomery 99.94% Monroe 47.07% Greene 99.54% Pickaway 99.99% Morgan 73.99% Fayette 99.6% Butler 99:7% Warren 99.59% Clinton 96.41% Ross 99.16% Vinton 69.88% Highland 83.63% Symbology Jackson 86:23% Brown 90.53% <40% Adams 87.82% 40 - 60% 60.01 - 80% 80.01 - 90% 90.01 - 95% 95.01 - 100%



#### Broadband Availability in the State of Ohio Percentage of Households Served by Terrestrial, Non-Mobile Broadband Service







## The Digital Mesh

Mobile devices, wearable, consumer and home electronic devices, automotive devices and environmental devices (e.g. sensors in IoT)

3D-printing shipments

will grow

64.1%

through 2019

3D Printing Materials

Device Mesh Ambient User Experience

## **Smart Machines**

**Smart machines will enable** 

#### more robust

analytics & predictive modeling systems

Machine learning gives rise to a spectrum of smart machine implementations including robots, autonomous vehicles, virtual personal assistants (VPAs) and smart advisors and will act as autonomous agents

Anonymous
Agents & Things

Advanced Machine Learning Information of Everything

## The New IT

Mobile devices, wearable, consumer and home electronic devices, automotive devices and environmental devices (e.g. sensors in IoT)

Adaptive Security Architecture

> Advanced System Architure

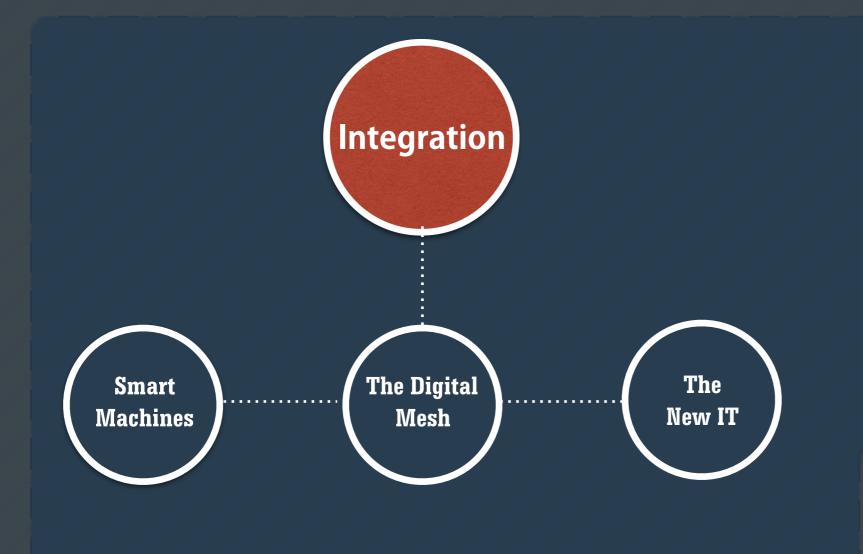
Mesh App & Service Architecture

Threats will be significantly increased

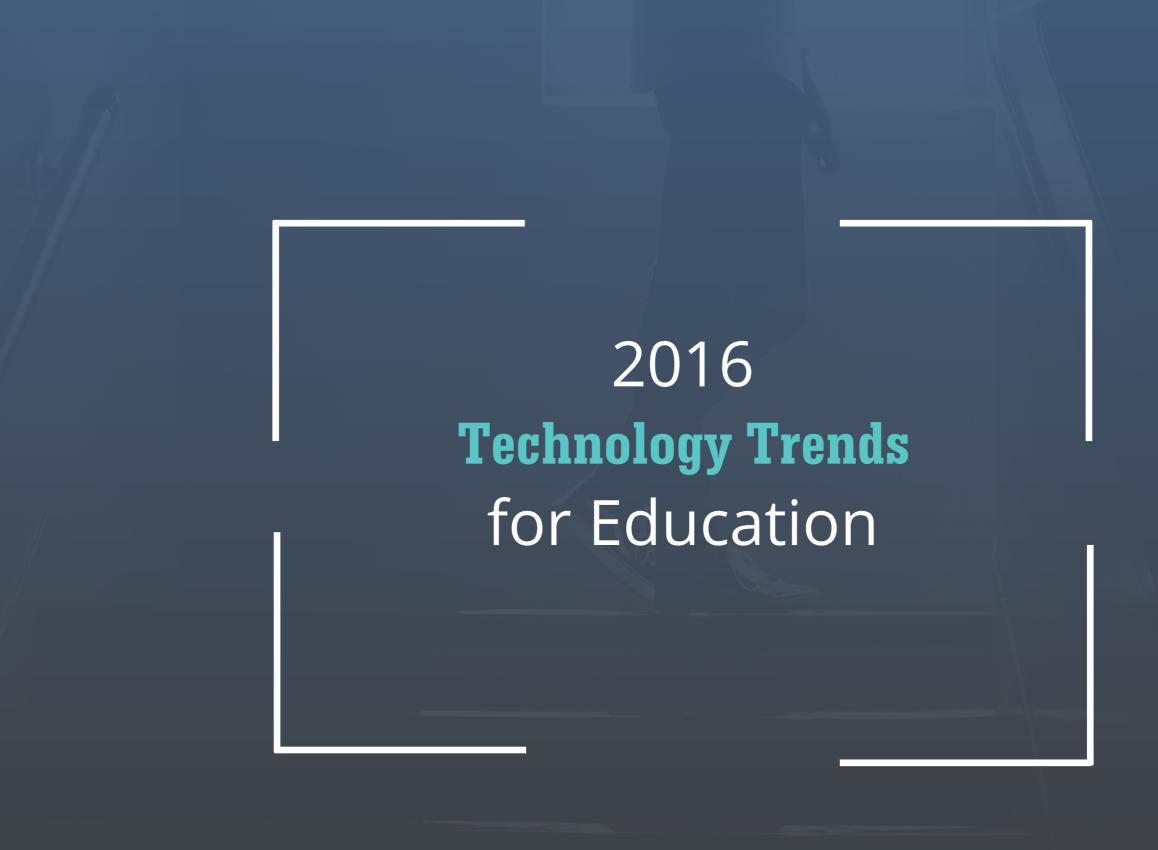
due to

digital business, hackers, & algorithms

**IoT Platforms** 



**Net effect** 

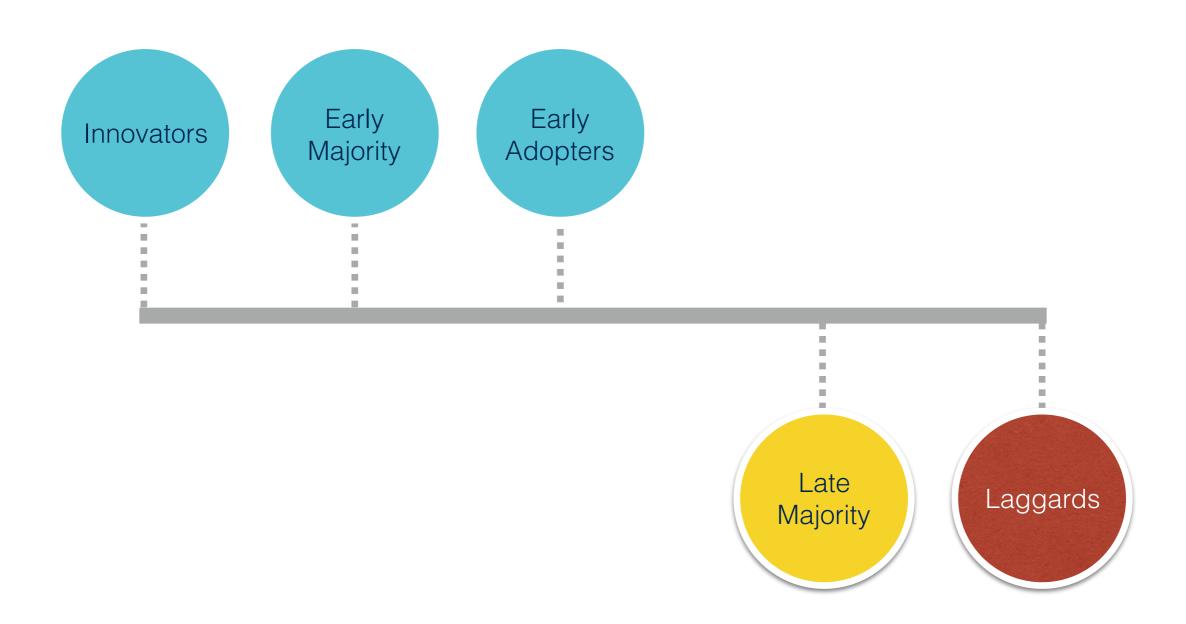


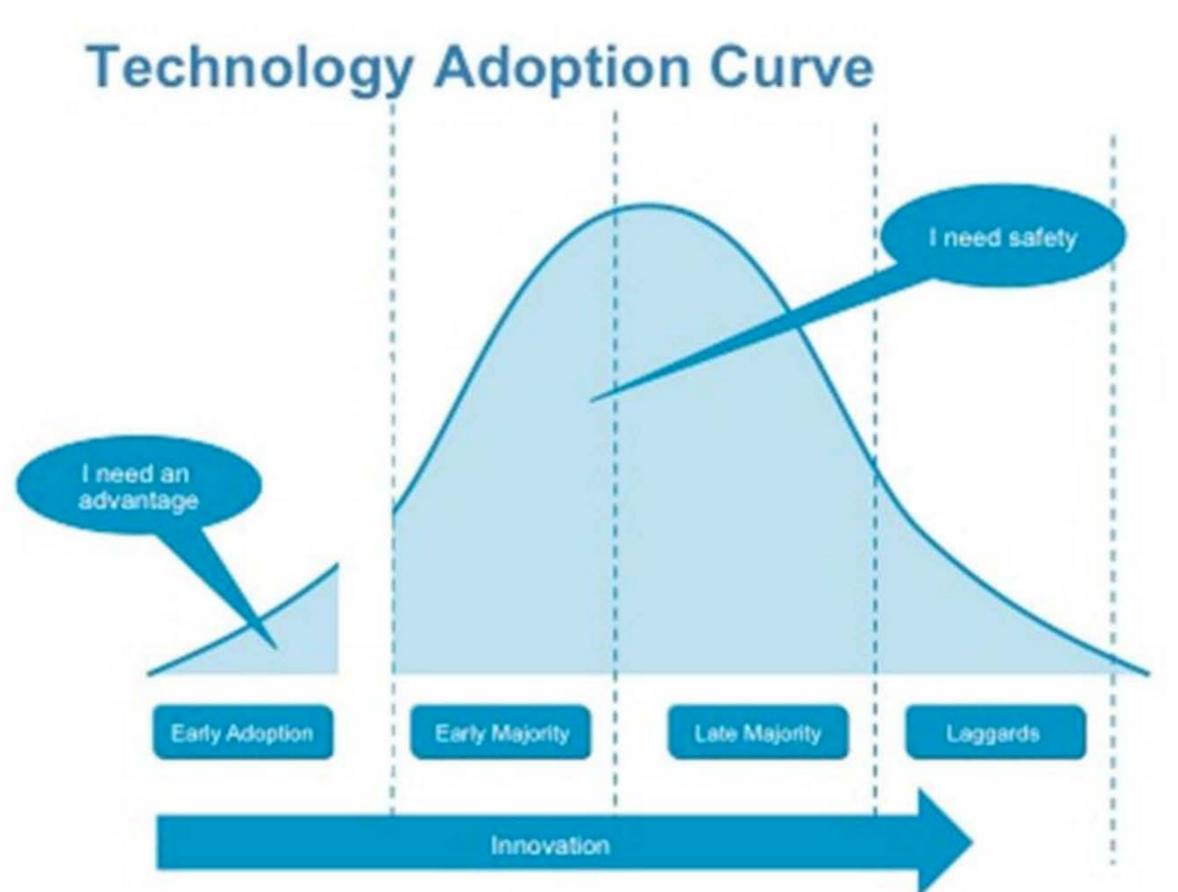
Competency **3D Printing Virtual Reality Based Education Data Analytics &** Video Accessibility **Machine Learning** Wireless Mobile Wearables **Architecture** 

# The Big A

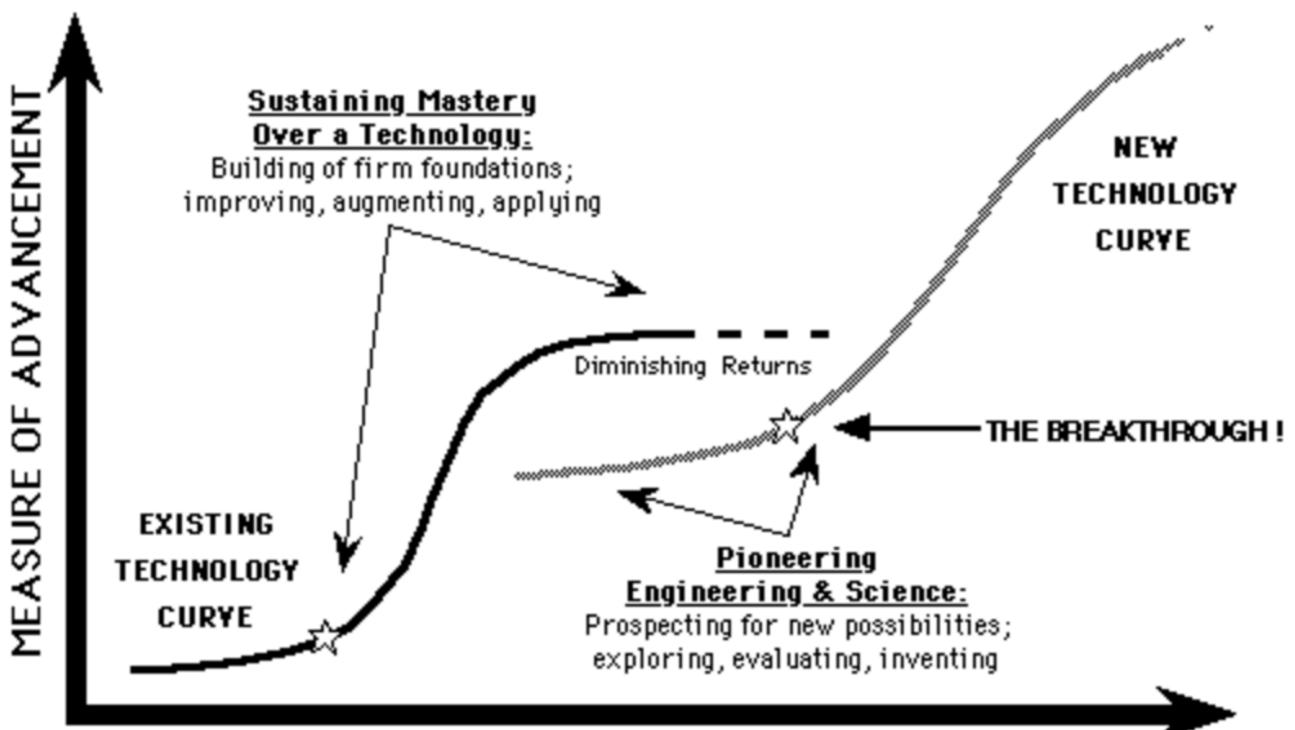
# Training

### Adoption



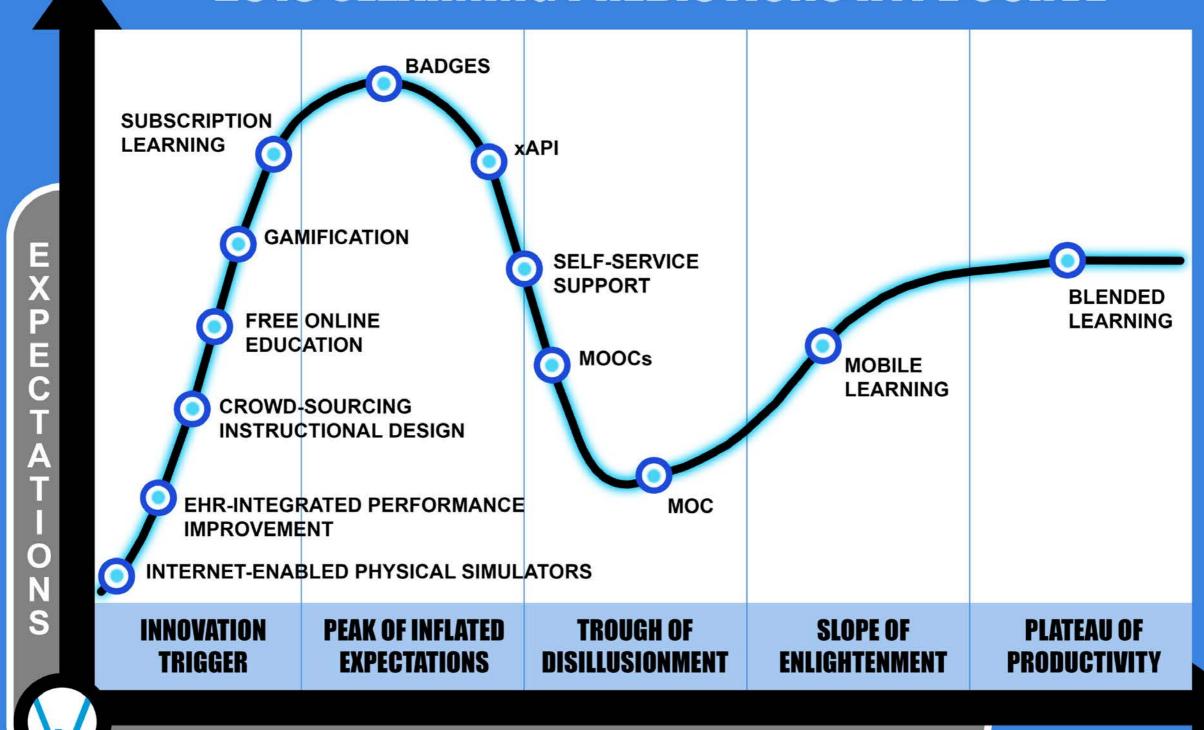


#### TECHNOLOGY EVOLVES



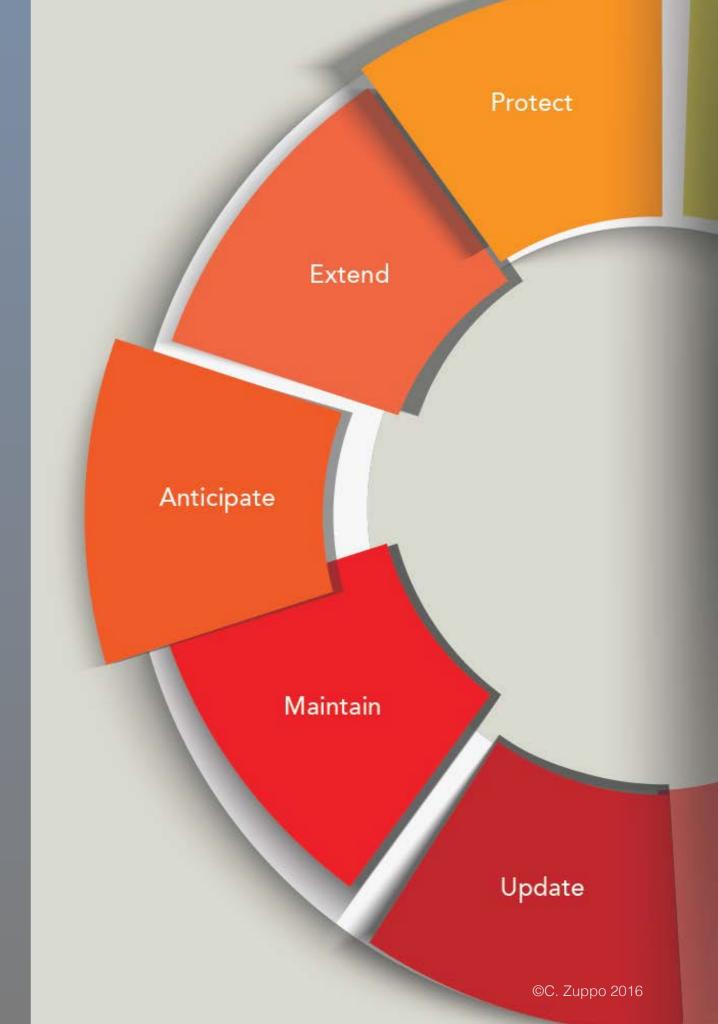
MEASURE OF APPLIED EFFORT

#### 2016 elearning predictions hype curve



TIME

Principles of **Future Proofing** 





Five Proactive Steps to

### Future Proof

Your Technology

#### Pulling it all together

Future Proof Your Strategy

3D-printing shipments

will grow

64.1%

through 2019

Macro/ Macro

> Gap Analysis

Needs Analysis Strategy & Tactics

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