

# The Now, New, and Next Normal: Digitization in a Post COVID-19 World

Thrive, Don't Just Survive

Kartik Sakthivel July 29 2020





LOMA

LIKRA

#### Introductions – Kartik





Kartik Sakthivel, M.S.-IT-CIS, M.B.A. Chief Information Officer LIMRA and LOMA

- 20+ years in Information Technology
- Diverse technology experience
- Broad range of industries
- ~10 years at Liberty Mutual Insurance
- Dover, NH resident for 25+ years

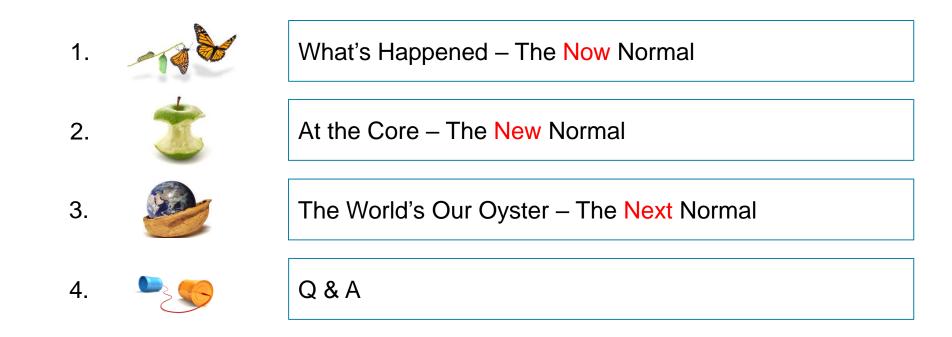






Habari za asubuhi kia ora ສະບາຍດີຕອນເຊົ້າ អរុណសួស

#### Today









## **NOW NEW NEXT** March 2020 – Q1 2021

# **NOW NEW NEXT** March 2020 – Q4 2023

# NOW NEW NEXT Q1 2024 -







# chapter The Now Normal Becoming Digitally Aware





#### The Past is Where Our Story Begins...

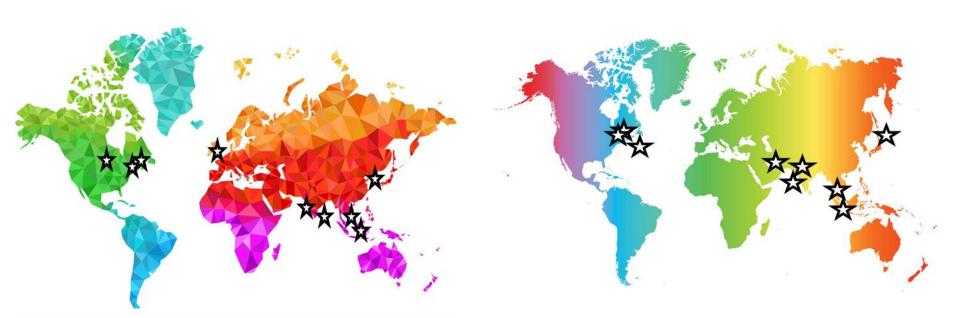
The Global Information Technology Industry: \$5.2 Trillion	2015	2020
20% 3% 7% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6%	7.2 B	7.75 B
	3.01 B	4.54 B
	3.6 B	5.2 B

Source: Hootsuite





#### Virtually There and There Virtually...

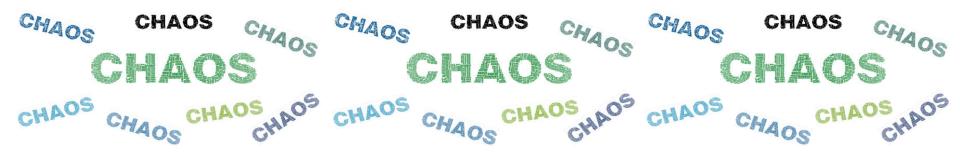


# 2018



**Our Industry & Trends – What We Were Talking About in January** 

# TRANSFORMATION



disruption



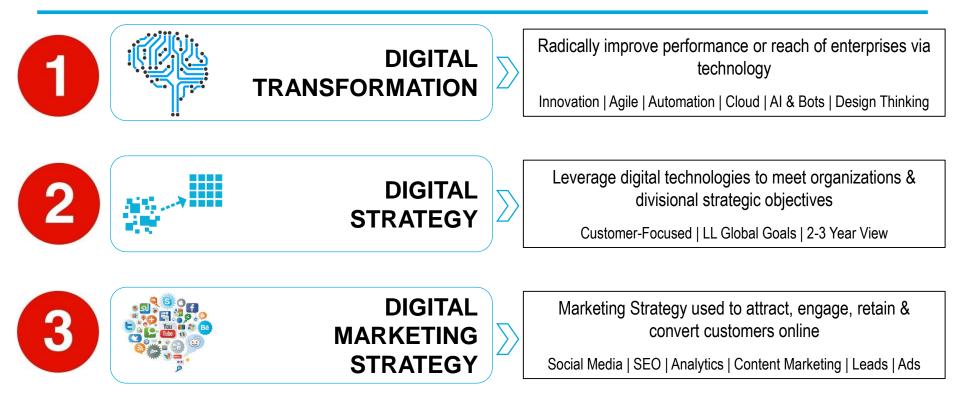


# Technology





#### Let's Orient Ourselves







#### **Industry Change – Speed is relative**





#### Property and Casualty

#### Life and Annuities





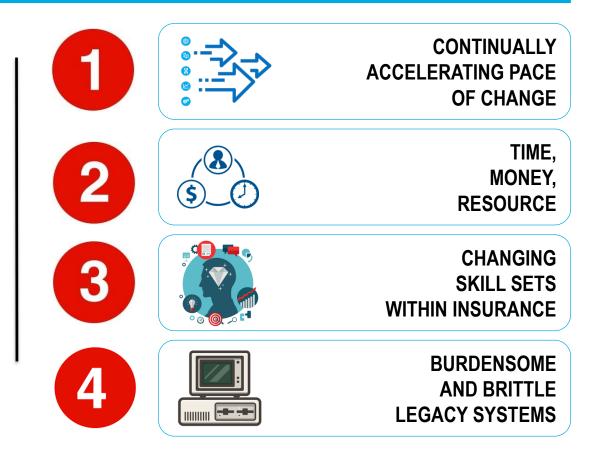
#### **Unprecedented. Breakneck. Accelerating**



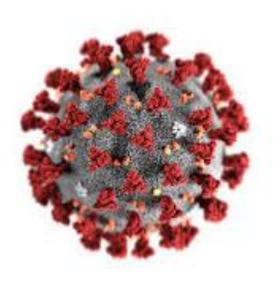
13 LOMA

#### **Balancing Strategic with Operational**





#### And Then This...



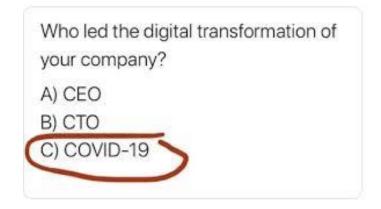




#### Read the Room, COVID-19



© marketoonist.com



#### **The Technology Adoption Paradox**







#### **Technology Evolution Has Been Constant**



#### 1960s: IBM Storage Drive

### ...a whopping 5 MB

...~60 years

#### 20ish Years Ago...





Most owned technology products, 22 years ago



#### 2 decades later...











#### 20 and < 20 Years Old





Phone with Camera – Sharp J-SH04 Bluetooth





M-Systems USB Flash Drive



iPhone 2007

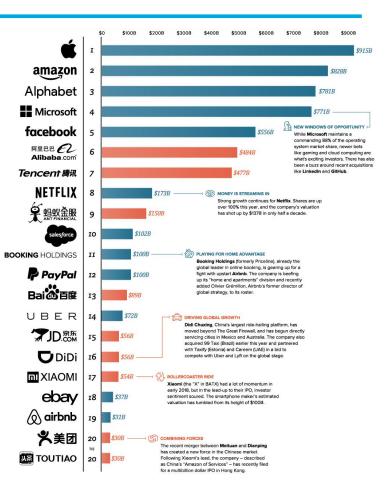




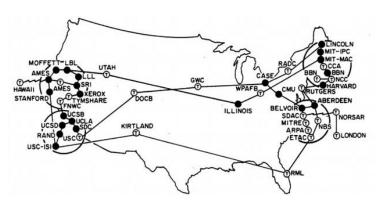
#### Asia in just 5 years (2013 - 2018)

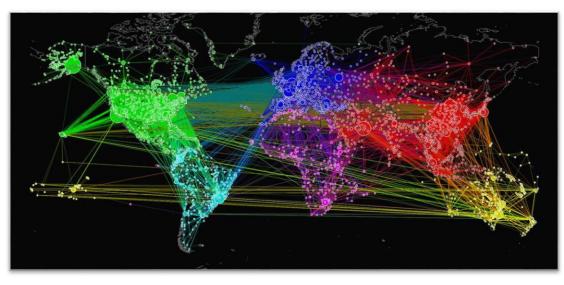
#### 

2013: 13 US Companies | 7 Asian Companies2018: 12 US Companies | 8 Chinese Companies



#### Here's Something Neat...



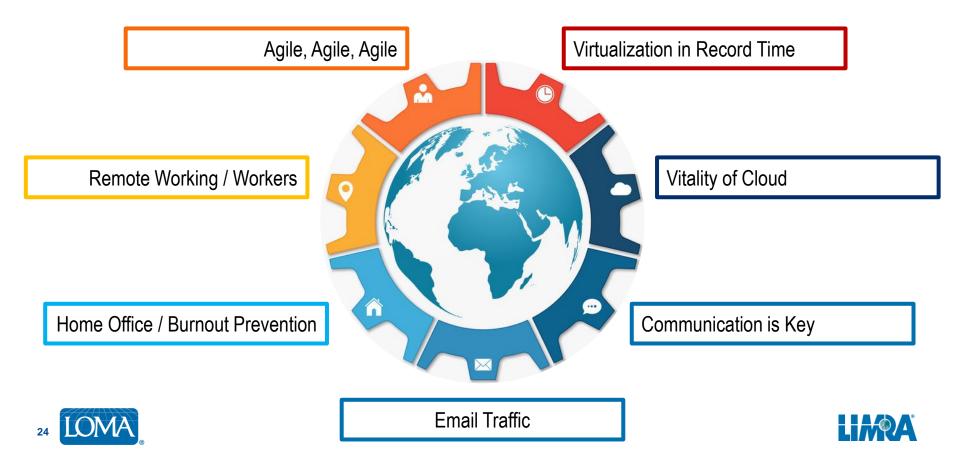






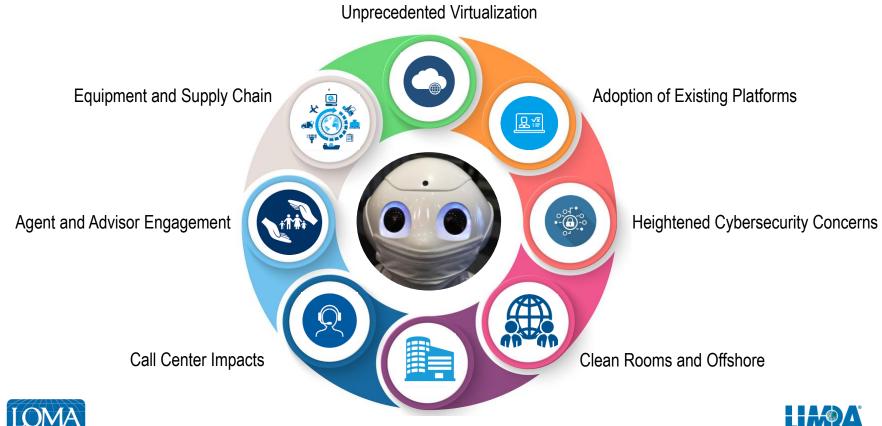


## NOW NEW NEXT



#### What's Happened – the NOW normal





25

**Commercial Real Estate** 



# chapter



# A New Normal Thinking Digitally Native





#### Transformation means to Change, and Change means...







#### Some screamed...

















#### TOO FOCUSED ON THE WRONG CONSUMER



TOO LATE TO ADOPT TACTILE INTERACTION



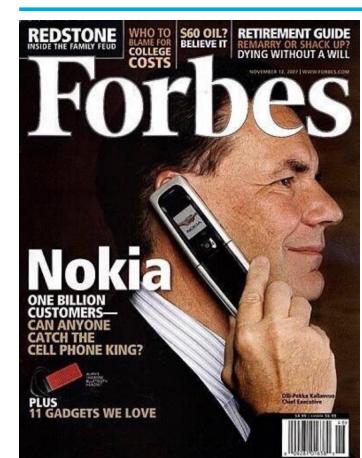
#### TOO FOCUSED ON EMAIL & BROWSER - NOT ENOUGH ON APPS





Some went on cruise control...





### Forbes, November 2007

# Nokia was

#### And others used crisis to transform...





#### **Business Week, Feb 1996**

22 years later Apple became a **TRILLION** dollar company

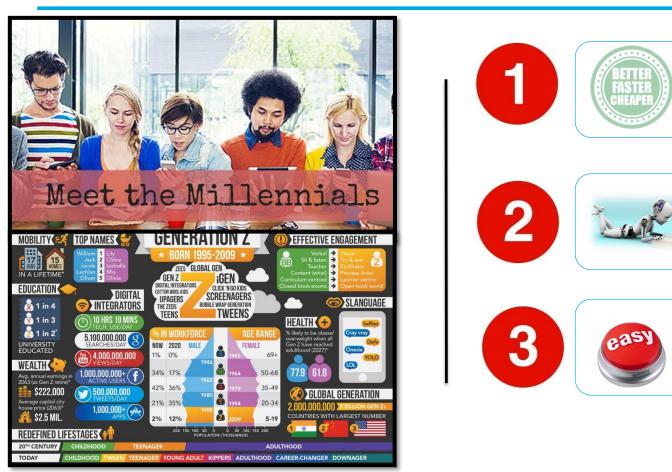




#### **Technology Disruptors – The Common Denominator**



#### The New Consumer and their expectations



FASTER & BETTER INNOVATION

RAPIDLY

AGILE

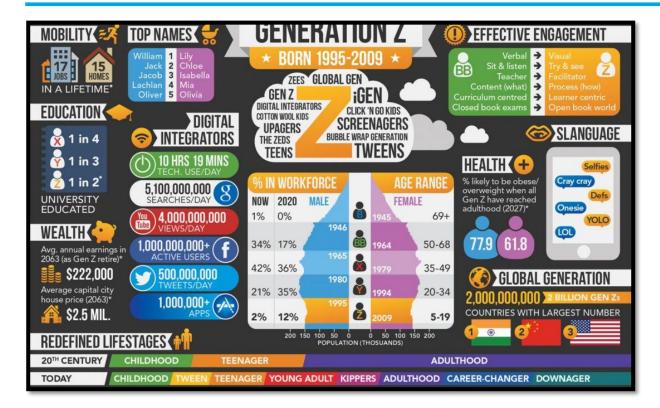
EASY

**TO USE** 

PROGRESSING

**DESIGN THINKING** 

#### Gen Z



Technology use per day: 10 hrs. 19 mins.

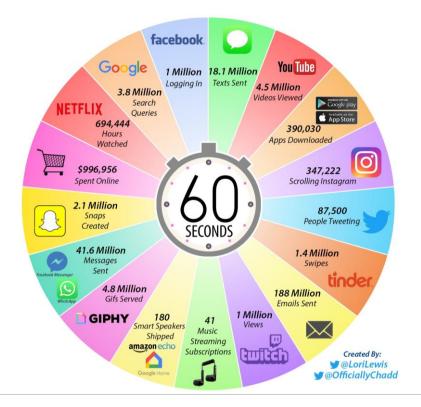
Number of jobs on average expected over lifetime: 17

Largest GenZ populations India, China & USA: 2 billion





#### CX in the new world - every MINUTE on the Internet



18.1M text messages

#### 46M messages via other means

188M emails

2.1M Snapchats

1.4M Tinder swipes

Exponential number of photos in a day





#### This is a generation that made this popular...







#### **The Customer Feedback Loop**



# TODAY



- Joined February 2007
- O Born March 21





#### Customer AND Employee demographics by 2030

Generation	Age Range 2020	Age Range 2030
Silent	75 – 92	85 - 102
Boomer	56 - 74	66 - 84
Gen X	40 - 55	50 - 65
Millennial	24 - 39	34 - 49
Gen Z	8 - 23	18 - 33

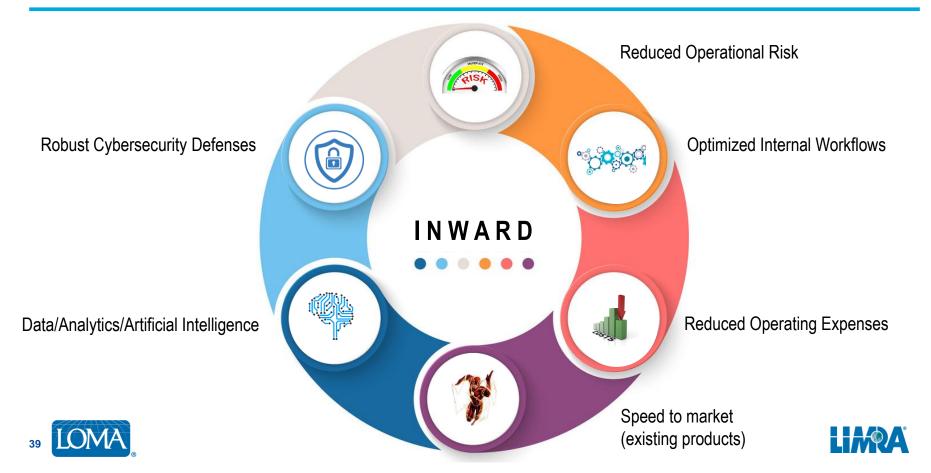
In 2030...

Most CxOs are Gen X, whose leadership experience is born of the Internet age

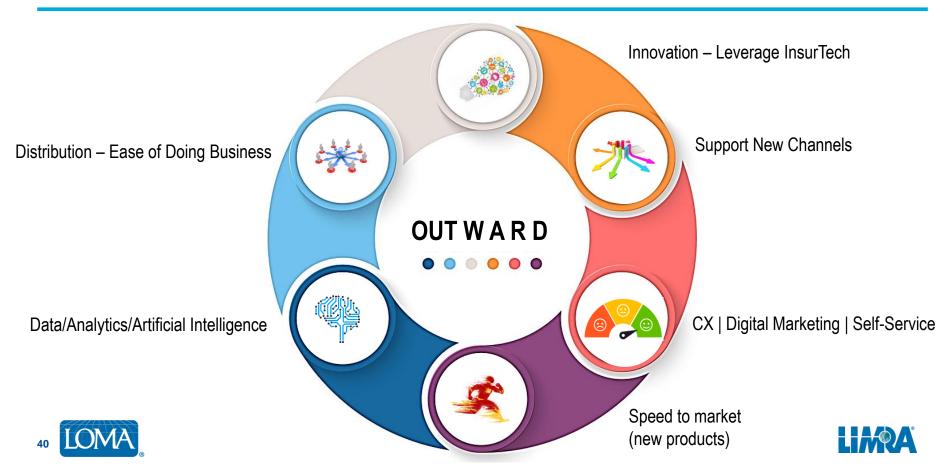
Most employees are Millennials, who prize tech-enabled capabilities, collaborative work, rapid promotion

New employees are Gen Z, who have had smartphones since elementary school

#### **Business Expectations of IT 2020-2023**



#### **Business Expectations of IT 2020-2023**



#### **Everyone's Talking Artificial Intelligence..**



There are significant misconceptions about Artificial Intelligence

Frequently conflated between AI and Robotics, used synonymously

A robot can become Artificially Intelligent but AI can exist independent of a robot

The term is used today to describe everything from Machine Learning to Bots





#### **Everyone's Talking Artificial Intelligence..**



Sophia the Al Robot

Clean, Accurate, Secure, Reliable Data is the BEDROCK of Machine Learning and/or Artificial Intelligence

Focus on Talent and Skills

Machine Learning = Human Teaching

Humans Solving Human Problems – Humans Solving Computer Problems / Computers Solving Human Problems – Computers Solving Computer Problems

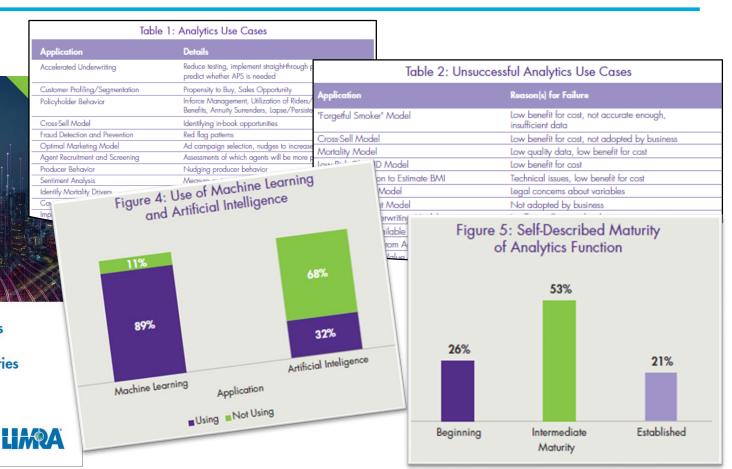




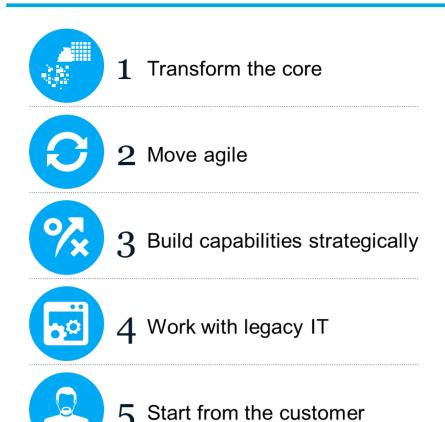
#### Data and Analytics – The New Oil and The New Fuel (Petrol)

LIMRA's Center of Excellence for Analytics

> Analytics Practices in the Life and Retirement Industries



#### **10 Core Beliefs in the New Normal Digital Journey**





 $6 \frac{1}{1000}$  new



 $7 \stackrel{\text{Build an expansive}}{\text{ecosystem of partners}}$ 



8 Move as a Multi disciplinary team



 $9 \stackrel{\text{Test, fail fast, and learn}}{_{\text{extensively}}}$ 

10 🛙

10 Deal with ambiguity

# chapter



# The Next Normal Being Digitally Native





#### **Rule #1: Size is Irrelevant**







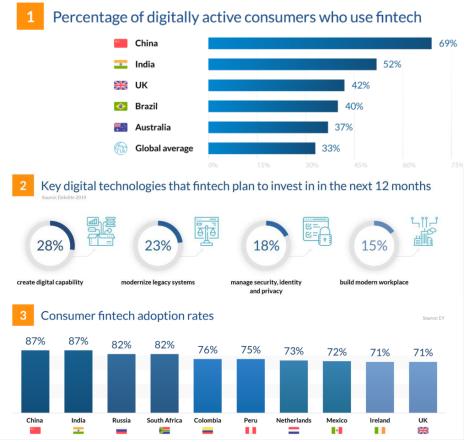
#### Rule #2: The Next Normal is a Whole New Kettle of Fish





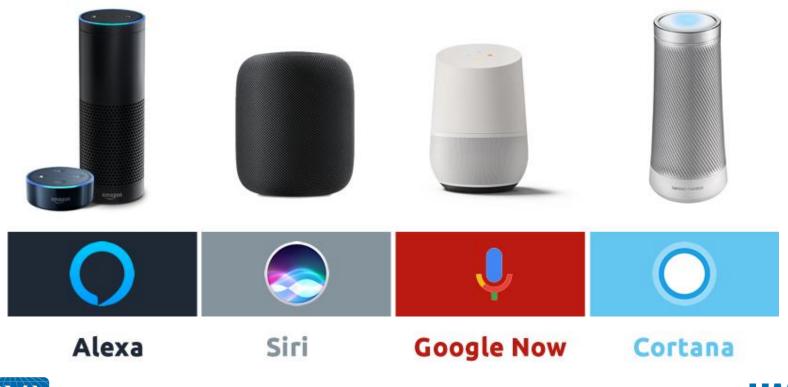


#### Acting Differently – Behaving Like FinTech / InsurTech / RegTech





#### **Thinking Differently – Using AI Digital Assistants**







#### Thinking Differently: What if Amazon gets into insurance?







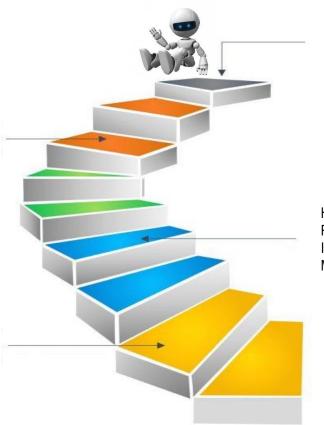
#### **Thinking Differently: The Next Normal**



#### The Evolution of Artificial Intelligence



Cloud Computing | Machine Learning, Predictive and Prescriptive Modeling, Data Science, NLP, Image Recognition, Artificial Intelligence, Bots | Autonomous Driving Vehicles | Sophia the Robot



Sophisticated AI, bots indiscernible from humans | AI enabled Personal Assistants | Quantum Computing | Household robots

#### 2020s

High Speed Internet the norm | Rise of Big Data, Business Intelligence and Analytical Modeling | Honda debuts ASIMO

## 2000s



Access to Data | Storage and Computing Capacity Increasing | Internet Takes Hold | IBM Deep Blue defeats Gary Kasparov



Microsoft Tay (2016) – AI powered chatbot

Self learning, continually learning

Set to emulate teenager, automated posts on Twitter

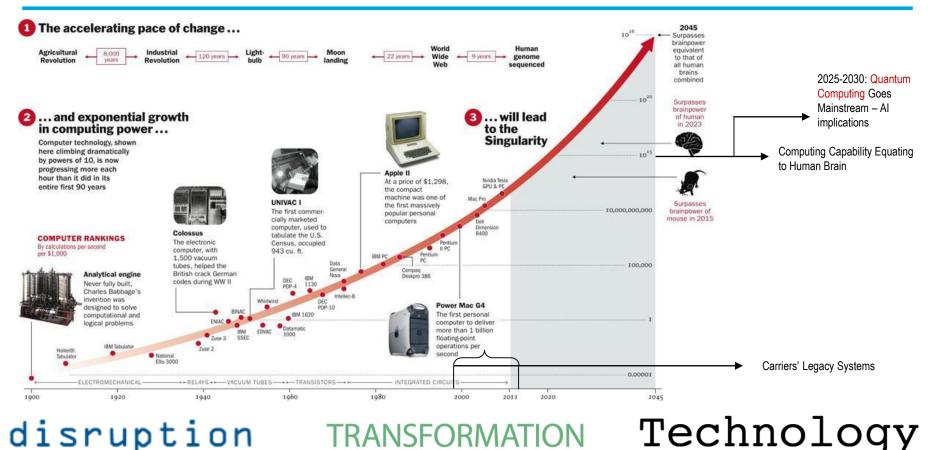
*Learned* to become extremely racist in less than 24 hours

Microsoft had to take it offline and publicly apologize





#### AI is Following Kurzweilian Curve



#### **Running Parallel to AI – 5G**





#### TODAY Limited 2021 2022 Across parts of the world 2030 Ubiquitous

#### **BENEFITS**

**1000**X Increased Capacity

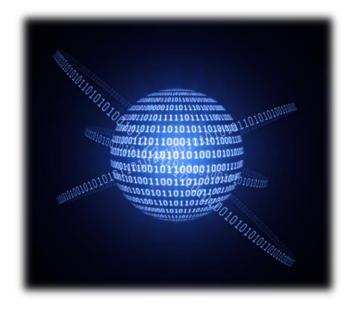
**5**X

Lowered Latencies

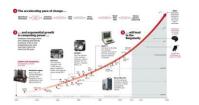


Wireless Residential Broadband

#### **Quantum Computing - Supercharging AI (closer to 2030)**



# **1000000** X Increased Processing Speed



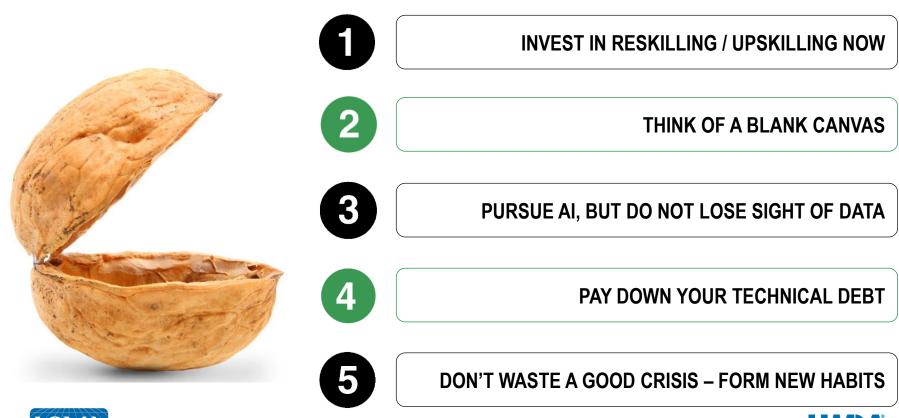
#### Follow AI Kurzweilian Curve

2030 Reality





#### In a Nutshell







Q&A





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### Thank You



