

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

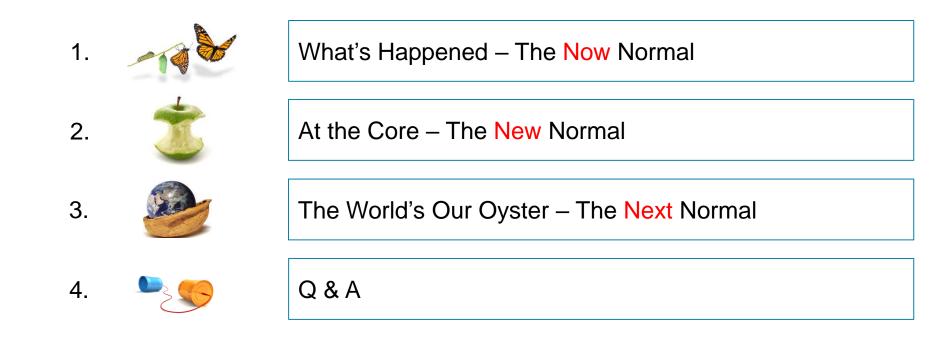






Habari za asubuhi kia ora ສະບາຍດີຕອນເຊົ້າ អរុណសួស

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...

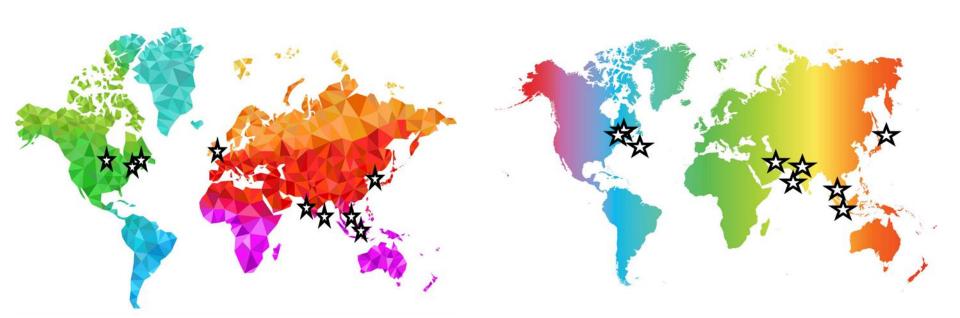
The Global Information Technology Industry: \$5.2 Trillion	2015	2020
20% 3% 7% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6%	7.2 B	7.75 B
	3.01 B	4.54 B
	3.6 B	5.2 B

Source: Hootsuite





Virtually There and There Virtually...



2018



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

TRANSFORMATION



disruption



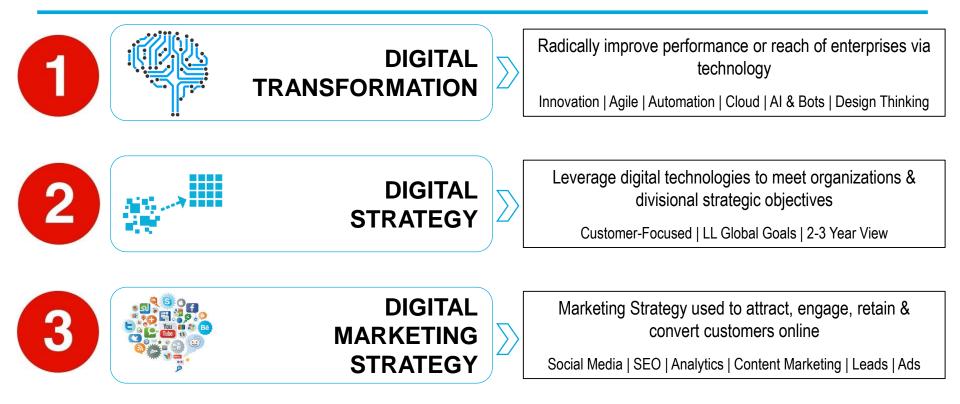


Technology





Let's Orient Ourselves







Industry Change – Speed is relative





Property and Casualty

Life and Annuities





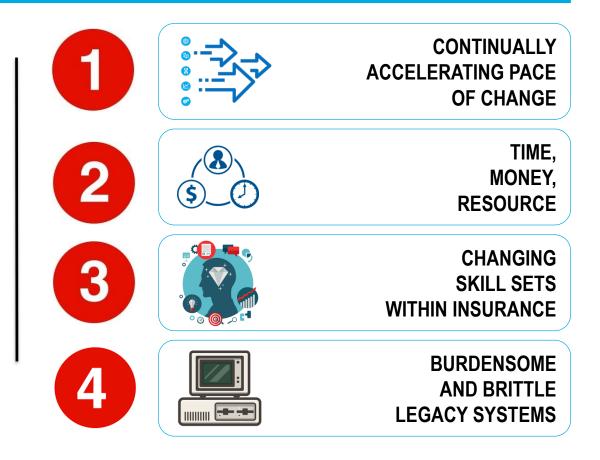
Unprecedented. Breakneck. Accelerating



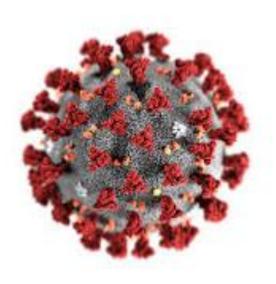
13 LOMA

Balancing Strategic with Operational





And Then This...



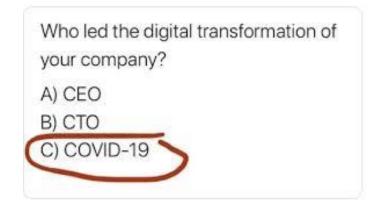




Read the Room, COVID-19



© 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



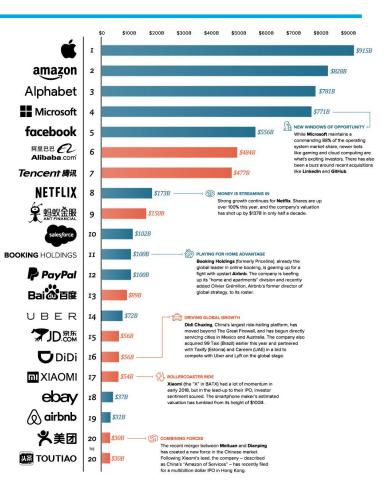
iPhone 2007



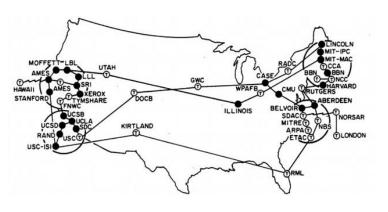


Asia in just 5 years (2013 - 2018)

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



Here's Something Neat...



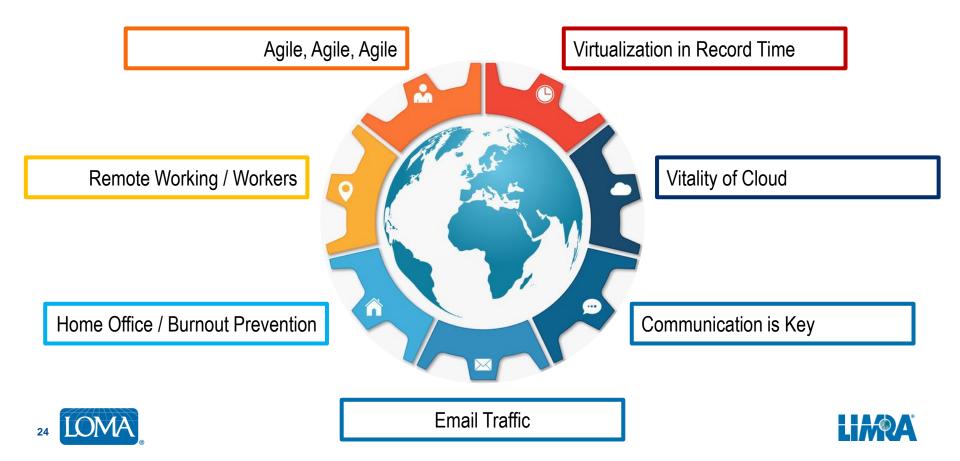






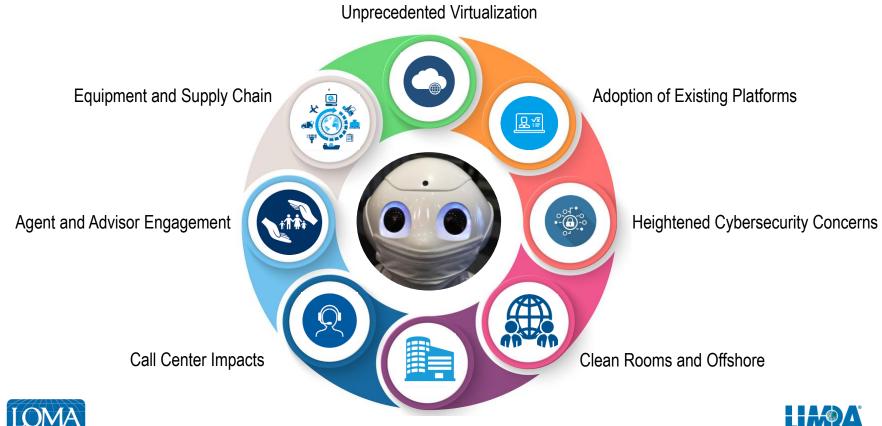


NOW NEW NEXT



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

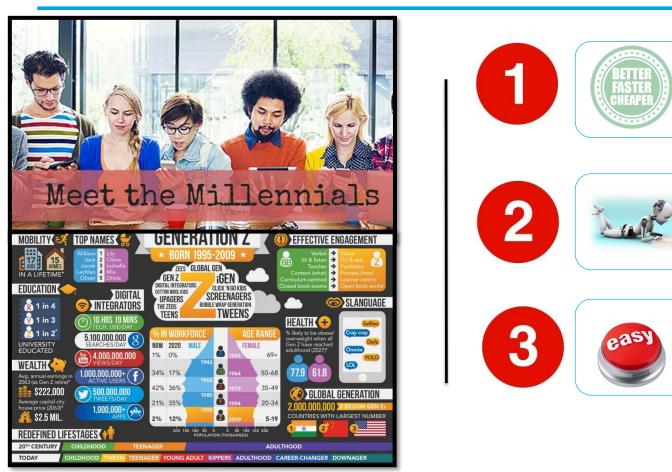




Technology Disruptors – The Common Denominator



The New Consumer and their expectations



FASTER & BETTER INNOVATION

RAPIDLY

AGILE

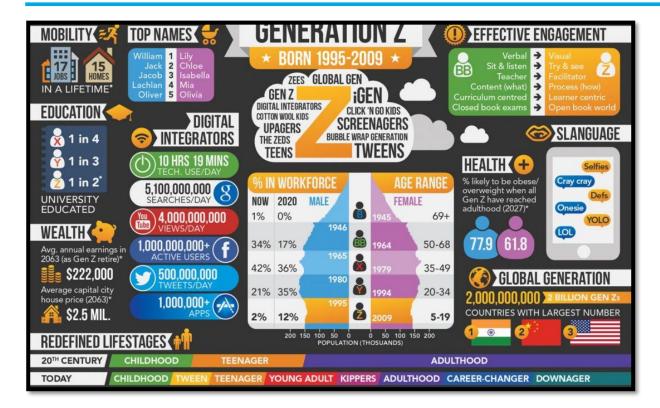
EASY

TO USE

PROGRESSING

DESIGN THINKING

Gen Z



Technology use per day: 10 hrs. 19 mins.

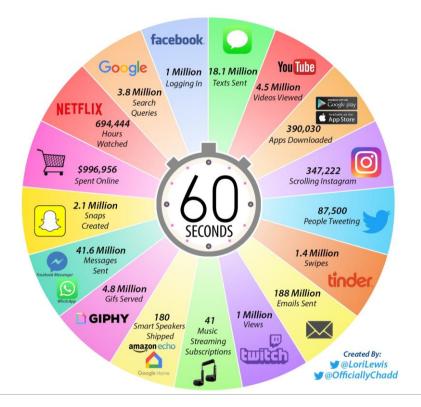
Number of jobs on average expected over lifetime: 17

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

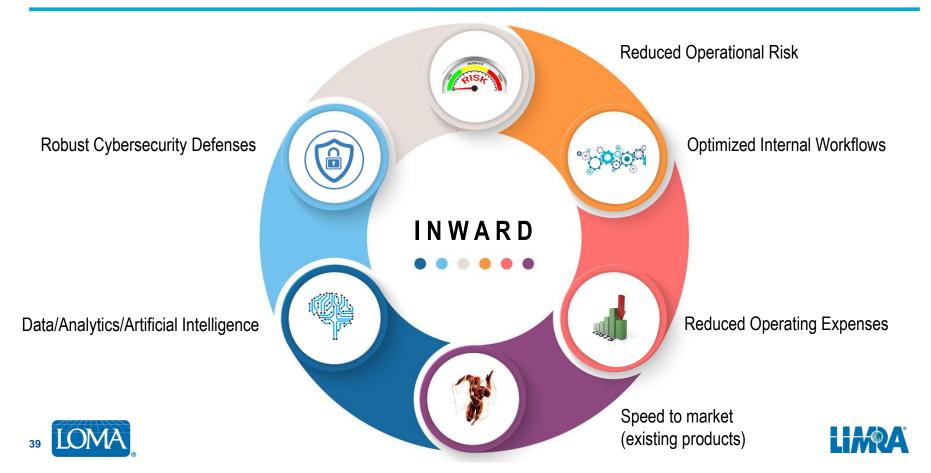
In 2030...

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

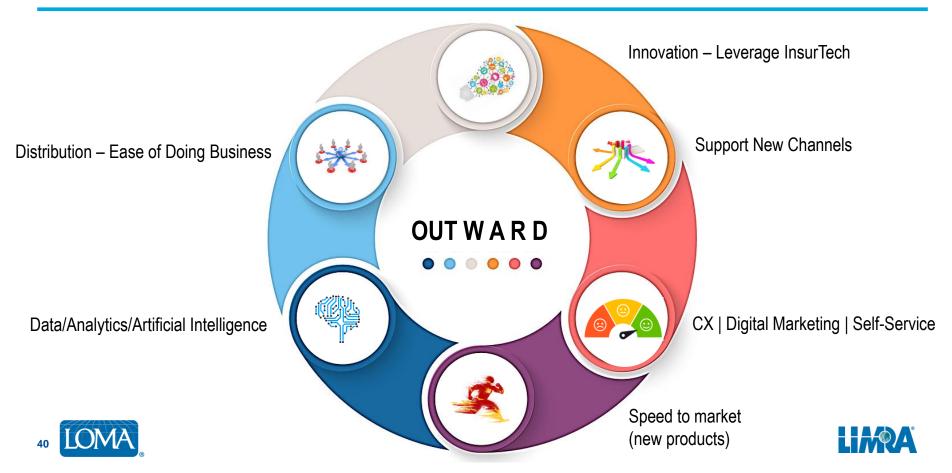
Most employees are Millennials, who prize tech-enabled capabilities, collaborative work, rapid promotion

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

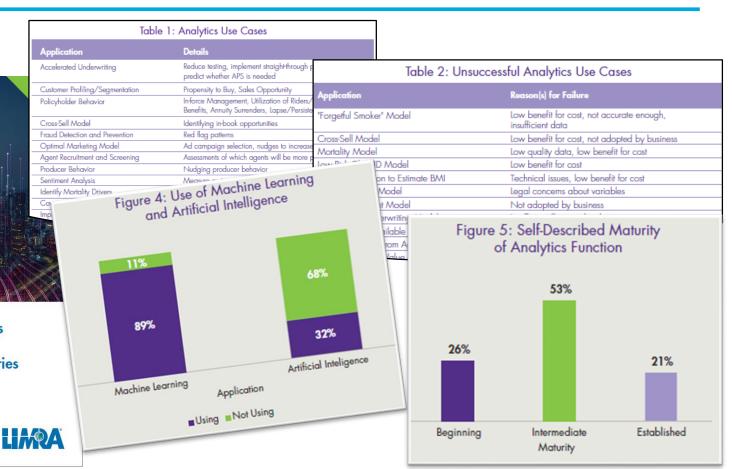




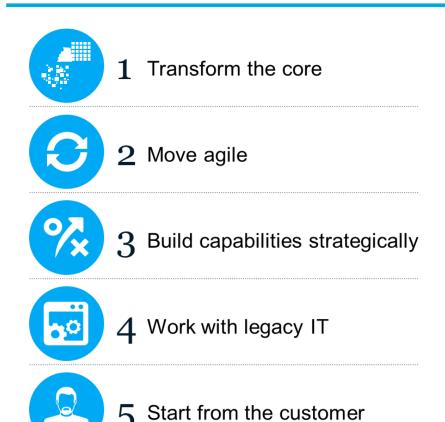
Data and Analytics – The New Oil and The New Fuel (Petrol)

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







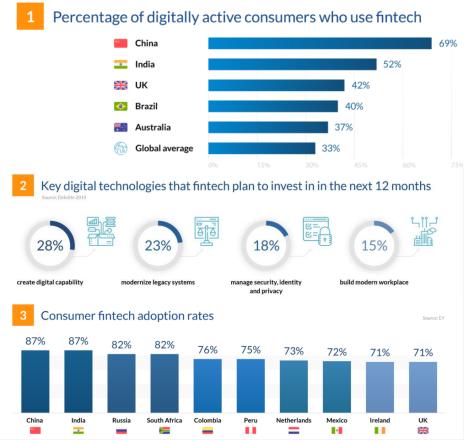
Rule #2: The Next Normal is a Whole New Kettle of Fish





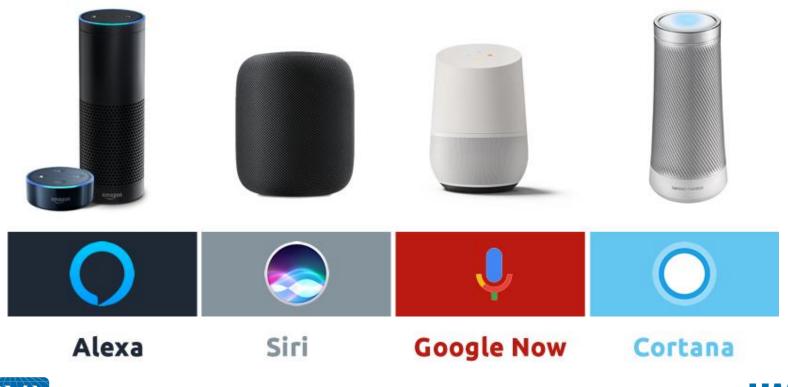


Acting Differently – Behaving Like FinTech / InsurTech / RegTech





Thinking Differently – Using AI Digital Assistants







Thinking Differently: What if Amazon gets into insurance?







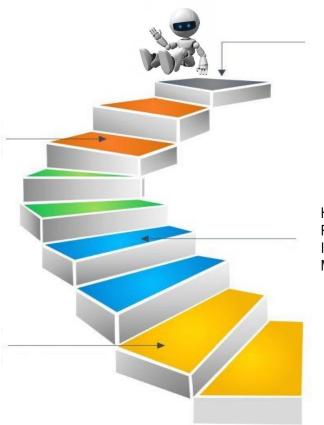
Thinking Differently: The Next Normal



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

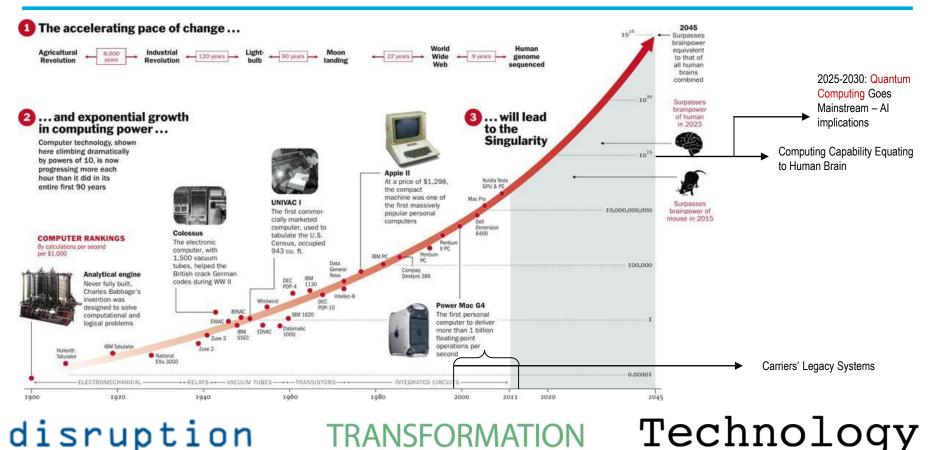
Learned to become extremely racist in less than 24 hours

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

1000X Increased Capacity

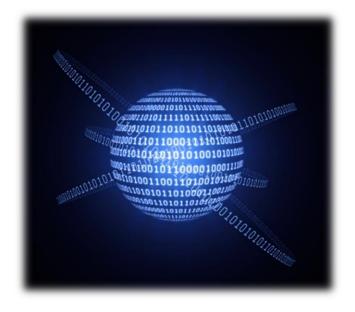
5X

Lowered Latencies

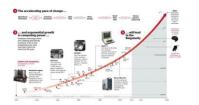


Wireless Residential Broadband

Quantum Computing - Supercharging AI (closer to 2030)



1000000 X Increased Processing Speed



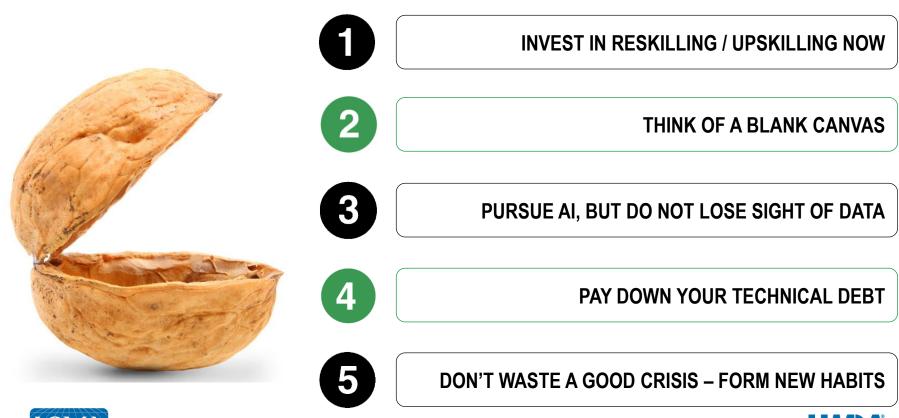
Follow AI Kurzweilian Curve

2030 Reality





In a Nutshell







Q&A





Email: Office Phone: Mobile: LinkedIn:

<u>ksakthivel@limra.com</u> +1 (860) 298-3914

+1 (860) 967-5888

https://www.linkedin.com/in/kartiksakthivel/



Thank You



