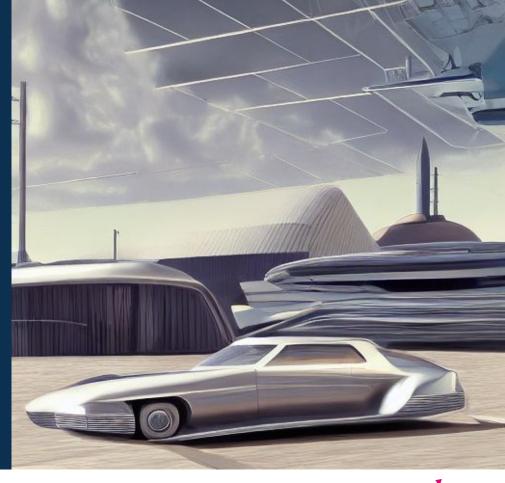


Think Like a Futurist

The Future of Learning & Education in a Continuously Evolving World

February, 2023



Introduction



Dr. Karie WillyerdChief Customer
Strategy Officer









Agenda

- Introduction Why should everyone be a futurist?
- Signals 1 What are some of the biggest economic & demographic signals?
- Reflect What do we think that means for our customers and employees?
- Tee-up What will it mean for learning?

Why be a futurist?



The future belongs to those who prepare for it today.

Malcolm X







How to be a futurist

- 1 Forget about predictions
- 2 Focus on signals
- 3 Look back to see forward
- 4 Uncover patterns
- 5 Create a community

Marina Gorbis, Institute for the Future

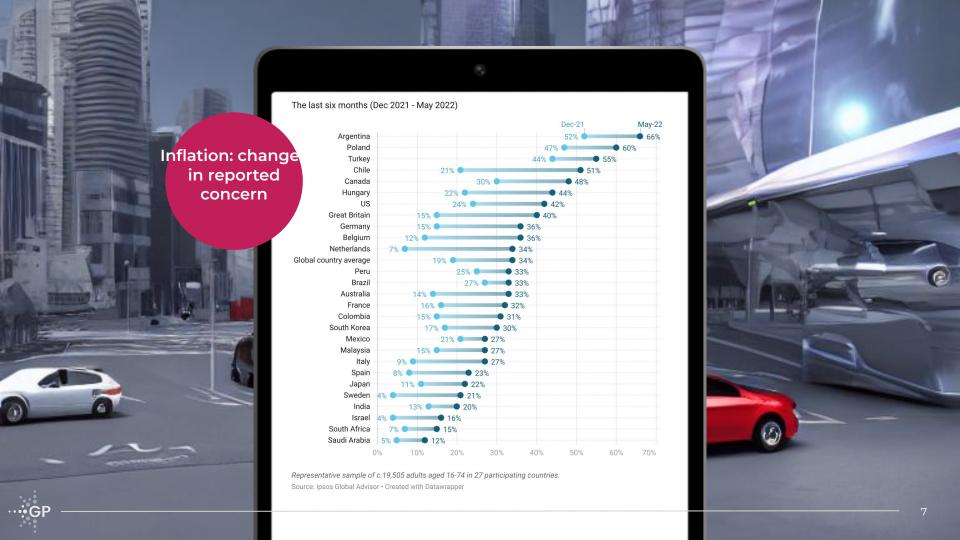
Signals 1

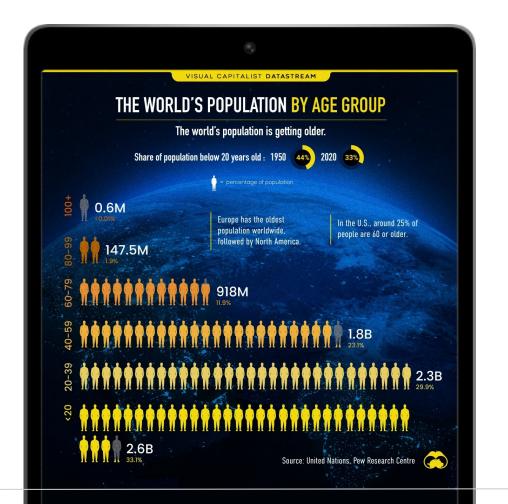
What are some of the economic & demographic signals?

Access to both financial and human capital will affect our ability to deliver on goals.















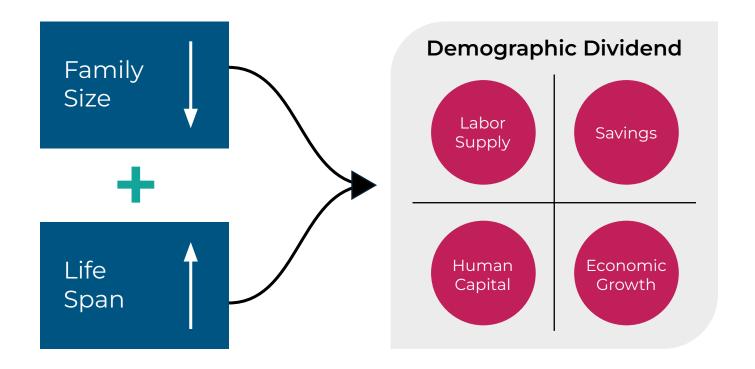
Demographic signals

- 1 Developing economies youth bulges
- 2 Mature economies older population
- Move to cities
- 4 Migration and forced displacement





What type of markets do you work with?

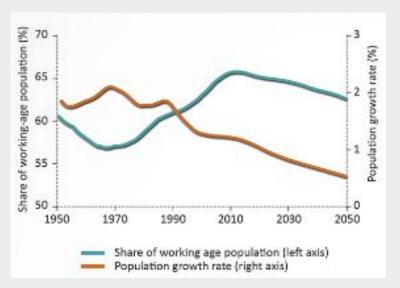


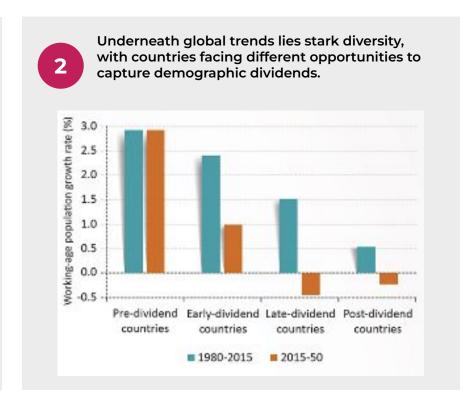


Demographic dividends vary widely

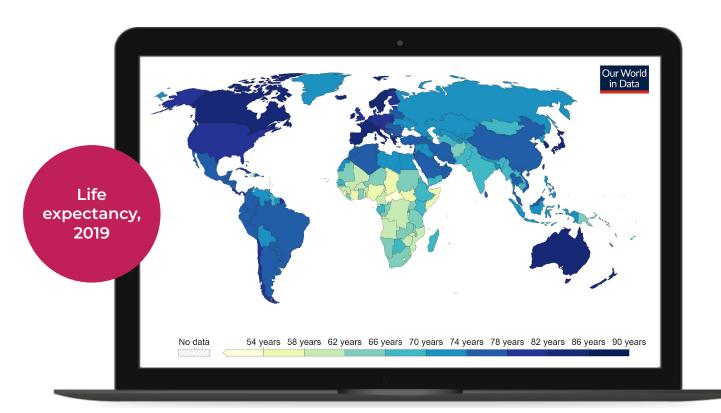


Global demographic change is pronounced: the working-age share has peaked, the overall population is growing much more slowly and is ageing at record speed.









Source: Riley (2005), Clio Infra (2015), and UN Population Division (2019)

OurWorldInData.org/life-expectancy • CC BY

Note: Shown is period life expectancy at birth, the average number of years a newborn would live if the pattern of mortality in the given year were to stay the same throughout its life.





Some data points on capability shortages

1.2 million shortage of nurses in U.S. alone

160,000 truck driver shortage by 2030*



40 million person shortage in cloud computing**

23% gap between current needs and AI capabilities***



Human talent shortage of 85 million people by 2030****

... leading to \$8.5 trillion unrealized revenues globally





Looking at some of these socioeconomic signals, come up with two predictions

If these two predictions come true, what impact could they have on you? On your organization?



Signals 2

What are some of the technology signals?

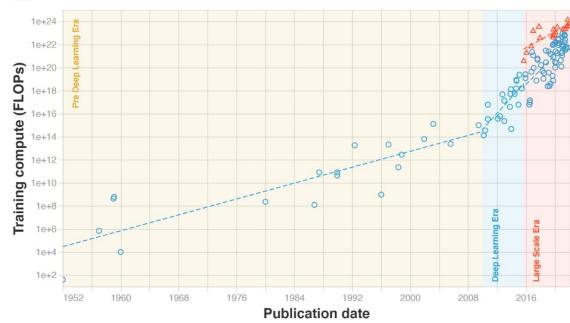
Two areas: machine learning & XR





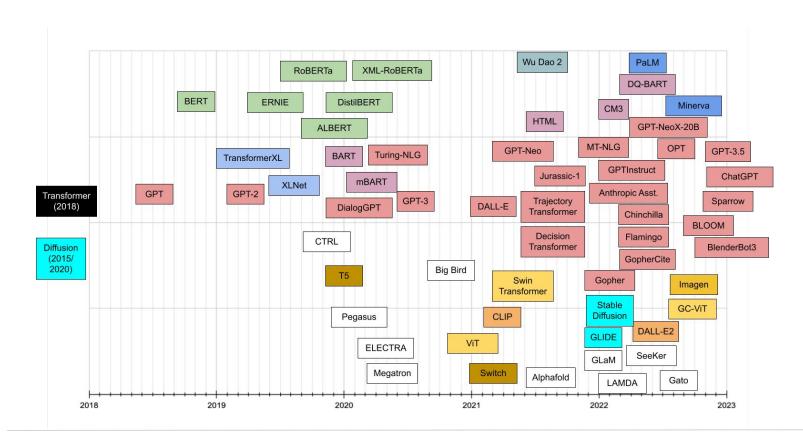




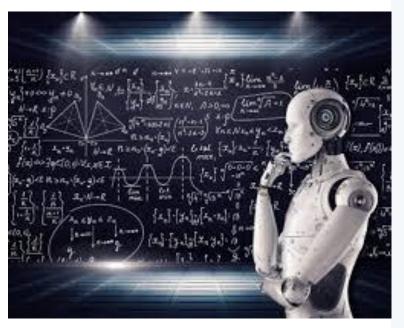




The Rise of the ML Transformers







ChatGPT Sprints to One Million Users

Time it took for selected online services to reach one million users



^{*} one million backers ** one million nights booked *** one million downloads Source: Company announcements via Business Insider/Linkedin











ChatGPT and LaMDA Al pass the Turing Test





https://mpost.io/chatgpt-passes-the-turin g-test/

Select Generative AI Use Cases by Industry

	Industries							
	Automotive and Vehicle Manufacturing	Media	Architecture and Engineering	Energy and Utilities	Healthcare Providers	Electronic Product Manufacturing	Manufacturing	Pharmaceutical
Drug Design								•
Material Science	•			•		•		
Chip Design						•		
Synthetic Data	•		•	•	•	•	•	•
Generative Design (Parts)	•		•				•	

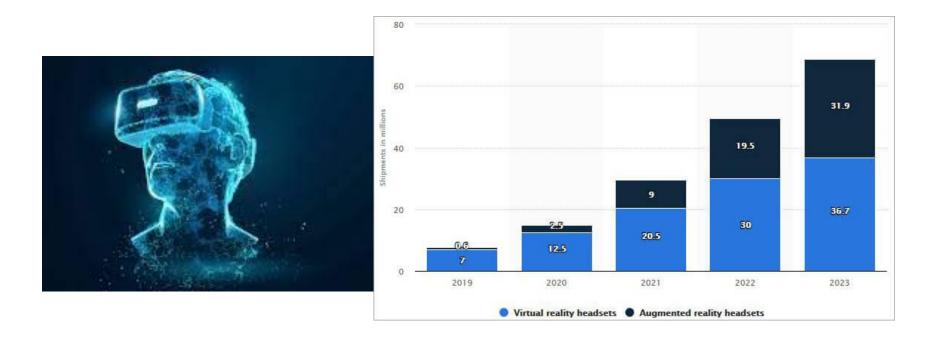
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XR Headsets Shipped





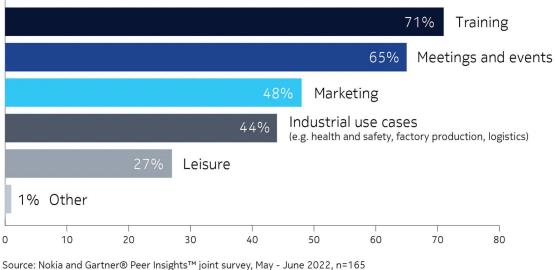
The Teslasuit







Which B2B metaverse use cases are most compelling?



"Bringing the metaverse to the workplace is going to be a natural evolution, and employees really want to build those personal connections and to collaborate more effectively no matter where they're working."

VP of Teams, Nicole Herskowitz



Looking at some of these technology signals, come up with two predictions

If these two predictions come true, what impact could they have on you? On your organization?



What will it mean for learning and education?







Thank you





Contact us

Dr. Karie Willyerd

Chief Customer Strategy Officer

Karie.Willyerd@ltgplc.com

LinkedIn: linkedin.com/in/kariewillyerd

