

“How Do You Solve a Problem Like AI”


Atty. Ira Paulo Pozon, MBA, JD, LLM, MCI Arb

Chief of Staff &
Manager - Legal, Policy, and Quality Management Office
SEAMEO INNOTECH

EdTech @ a Glance

analyzing
designing
developing
implementing
evaluating



 Gencraft - AI Art Generator APK



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2022 Definition

Utilization



Gencraft - AI Art Generator APK



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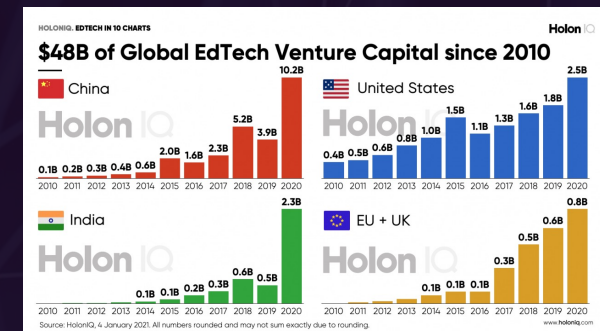
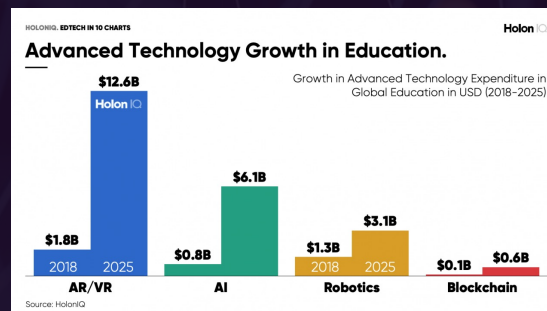
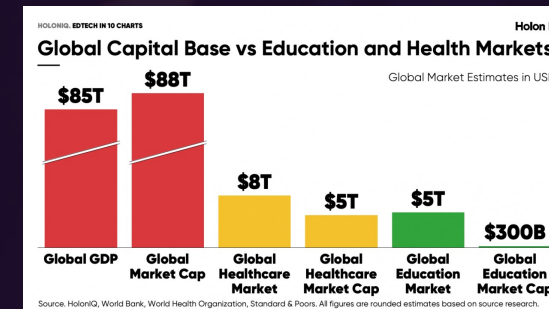
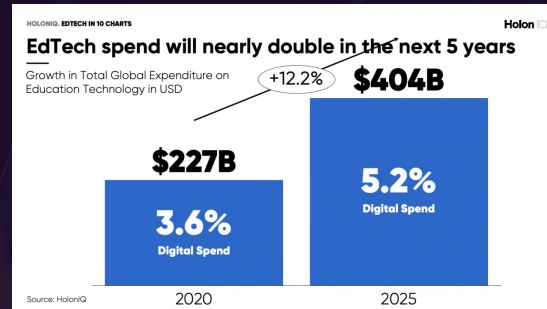
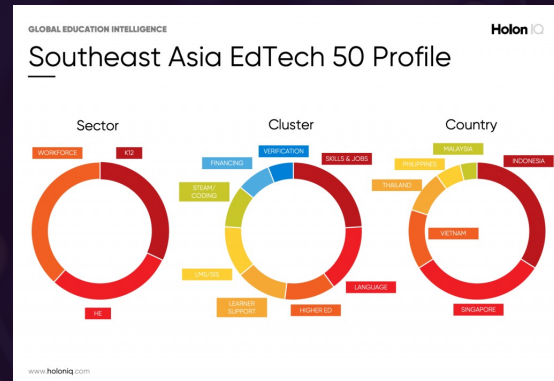
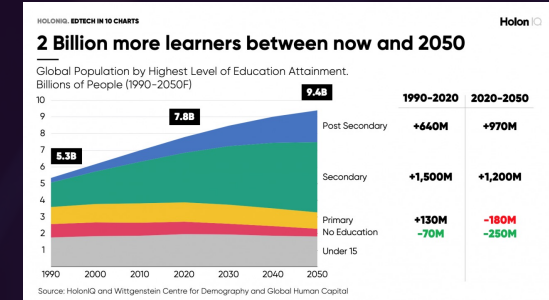
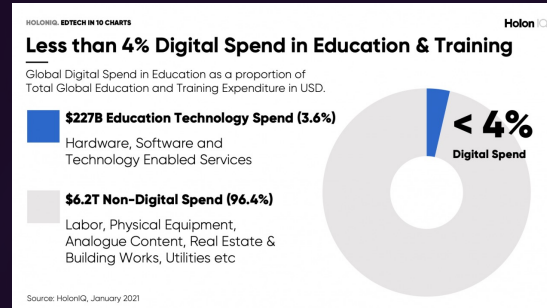
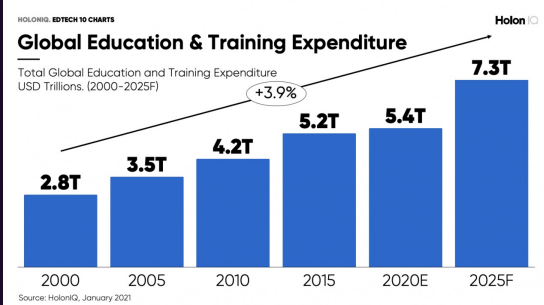


TECHNOLOGY: TIME TO REACH MASS ADOPTION

Defined as a 25% of market access

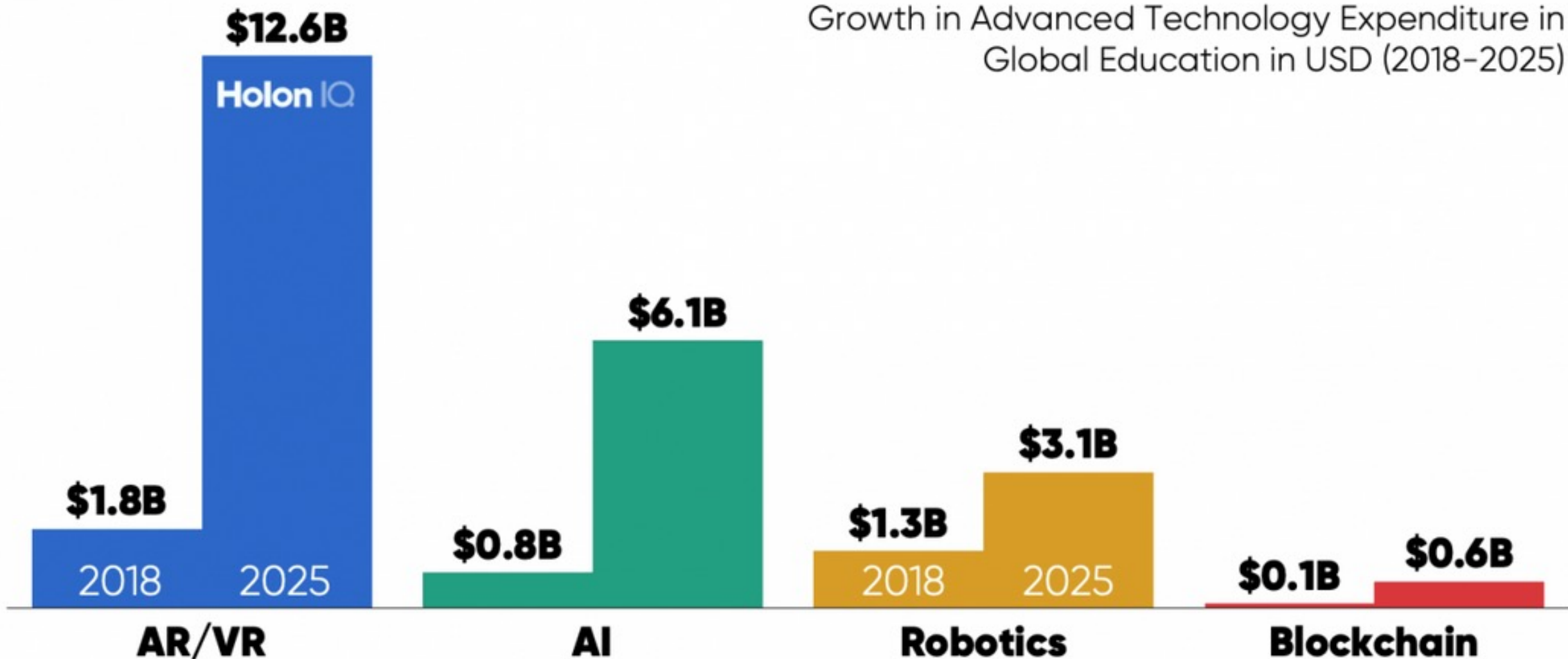


Where we are today



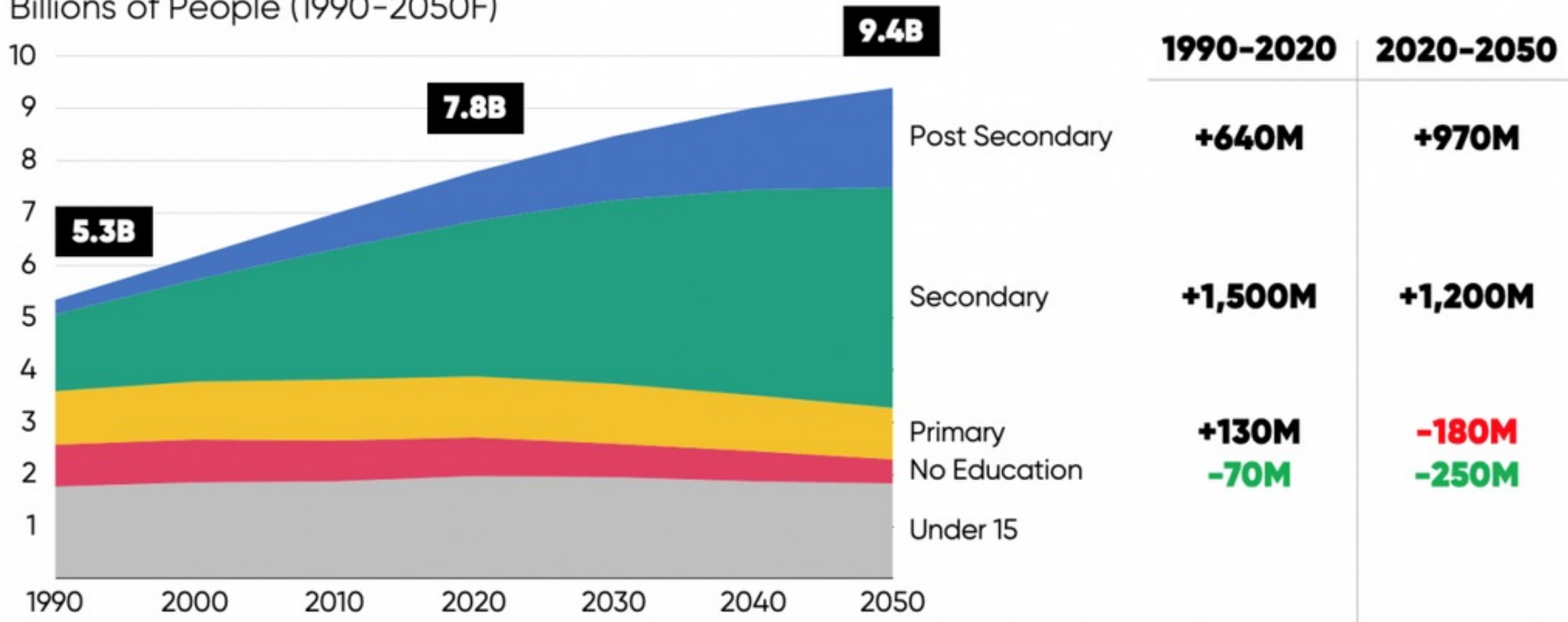
Advanced Technology Growth in Education.

Growth in Advanced Technology Expenditure in Global Education in USD (2018-2025)



2 Billion more learners between now and 2050

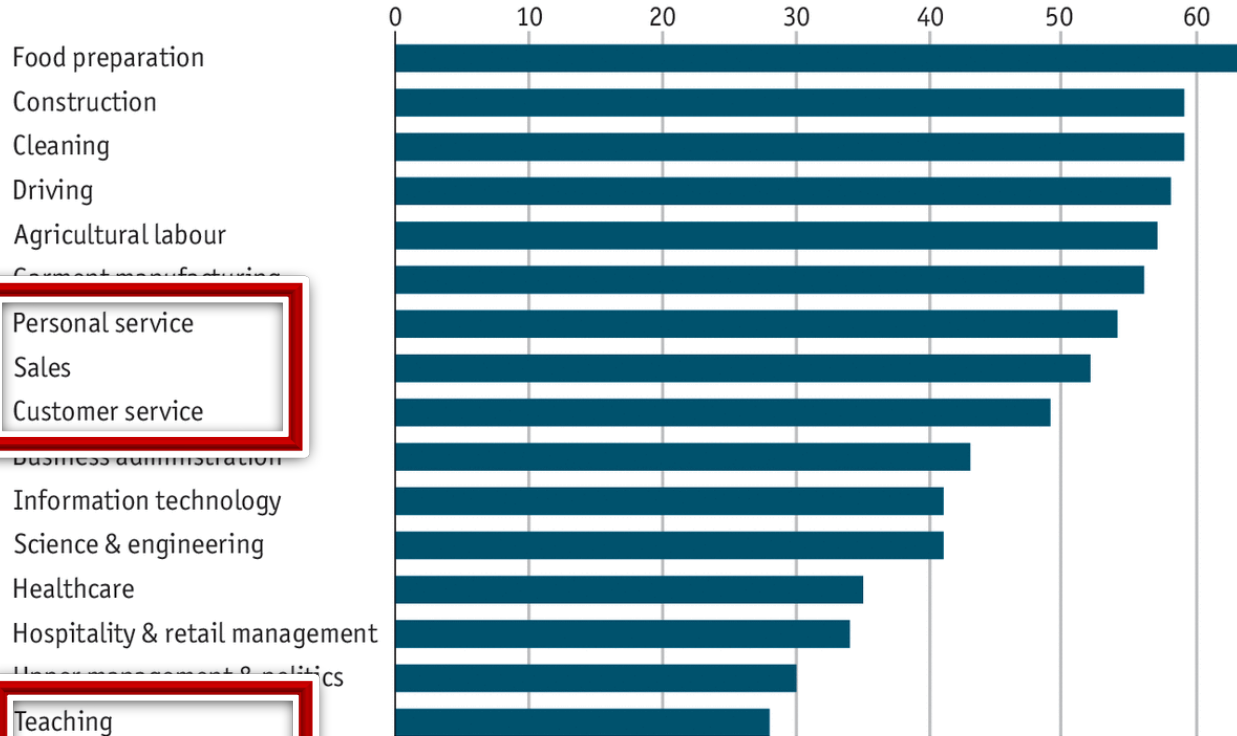
Global Population by Highest Level of Education Attainment.
Billions of People (1990-2050F)



Source: HolonIQ and Wittgenstein Centre for Demography and Global Human Capital

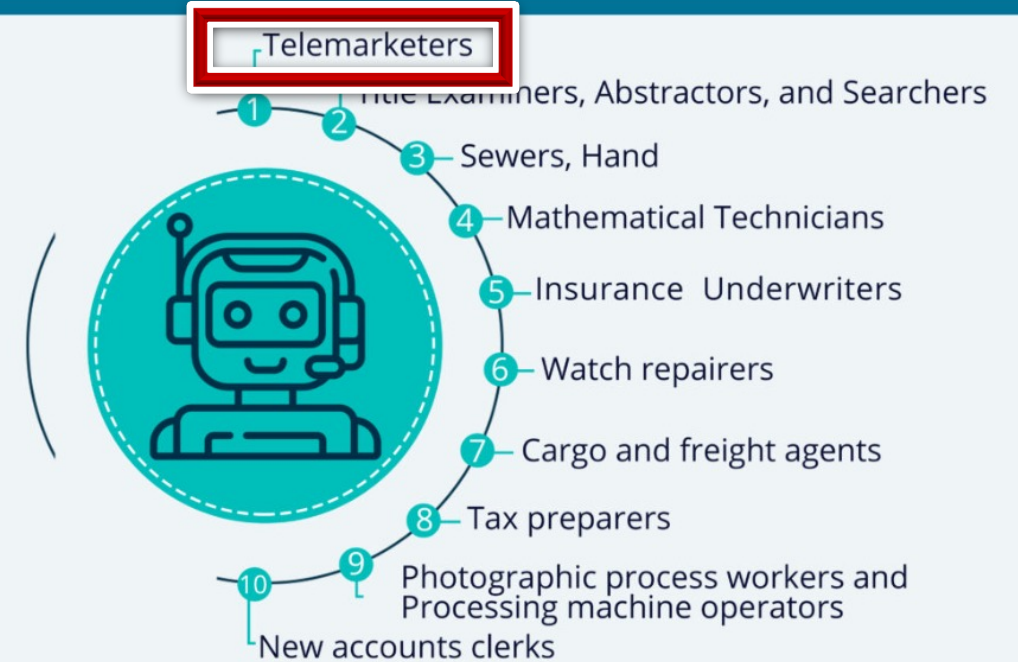
Automated for the people

Automation risk by job type, %



Economist.com

Top 10 Jobs Likely to Be Automated



Source: The University of Oxford

Research.com

OECD, Economist.com, The University of Oxford, Research.com



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What to Teach?

85 million
jobs by 2025
at risk of
displacement



97 million
new jobs may
emerge



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Source and Photos: World
Economic Forum

Chinese Innovations on the ground

THIS is the second column I'm publishing while attending the Asia Global Institute—University of Hong Kong's AsiaGlobal Fellows Program.



MANAGEMENT ACTION
IRA PAULO POZON

Interestingly enough, I write this as we conduct our study tour of Shanghai and Beijing, chock-full of interesting visits to local companies and engaging meetings.

This was not supposed to be anything new to me. After all, I lived and studied in China, speak Mandarin, visited most of the cities and towns in the eastern part of the country, and conducted studies, presentations, and speeches on the various technological advancements in place that led to the growth of massive corporate ecosystems.

I stand corrected.

The past three days in Shanghai, I noticed few innovations that may seem inconsequential, yet have potential large-scale effects on the local economy and workforce.

For instance, a notable innovation we discovered was in the Explorium, particularly in the retail clothing shopping area. CCTVs abound for the purpose

ally strict Know-Your-Customer (KYC) and Anti-Money Laundering (AML) rules for banks and financial institutions. One can therefore imagine the difficulties involved in opening a bank account.

However, some banks, such as the Agriculture Bank of China and the China Construction Bank, have started implementation of a fully integrated biometrics kiosk for account opening, one which can accept and gather all the necessary information required by law or policy, such as the applicant's passport or national ID, proof of residence, application forms, and the biometrics such as fingerprints and facial scan, all again without having to speak to another living being.

Another increasingly popular development builds upon the current e-wallet payment systems already highly popular in China, such as those of WeChat Wallet and Alipay. Restaurants and shops have an increasing online presence which enables off-site reservations and purchasing.

For instance, we were a few blocks away from the desired restaurant, and were very peckish. Utiliz-

Evolve or die – Part 2

THROUGHOUT my series of columns here, I talked about the impact of innovation and digitization on our lives, and how it has brought about various opportunities and challenges, such as making everyday actions more efficient, to having to realize the value of, and need to protect, our data.



MANAGEMENT ACTION
IRA PAULO POZON

In a previous column titled "Evolve or Die" I discussed how many companies, most of them industry leaders, either lost significant market share or even folded-up as a consequence of not innovating, not "keeping up with the times" so to speak.

Today, I will discuss some of the challenges as a result of the Fourth Industrial Revolution (4IR) specifically from a human resource perspective.

It is undeniable that technology has advanced incredibly quickly, and has become astonishingly pervasive, over the past few decades. The birth and growth of the internet, and the growth of e-commerce and

I was chatting with a friend recently regarding the messaging bots he had developed for a restaurant's online profile. It was designed to provide answers to questions posed by customers online, and in English. It was a relatively simple bot, programmed to discuss the menu and locations of the restaurant, but what was surprising was that the AI had began to learn Filipino and was already answering queries in Filipino, despite the fact that the program was coded for it to answer in and understand only English.

As a lawyer, I am faced with competition by my AI counterparts. A number of AI programs are already finding themselves in key areas of legal practice, such as the performance of due

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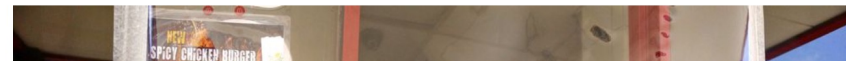
ECONOMY

Vulnerability and Resilience: Technology and Covid-19 Should Initiate Reskilling

Thursday, July 23, 2020



In recent years, the Philippines has experienced strong economic growth as its overseas workers remitted ever greater amounts back home, while the business process outsourcing sector grew to become the world's back office. But as Covid-19 grips the world, argues 2018 AsiaGlobal Fellow Ira Paulo Pozon, the country's workforce looks increasingly vulnerable.



Author



Ira Paulo Pozon
2018 AsiaGlobal Fellow, Asia Global Institute, The University of Hong Kong



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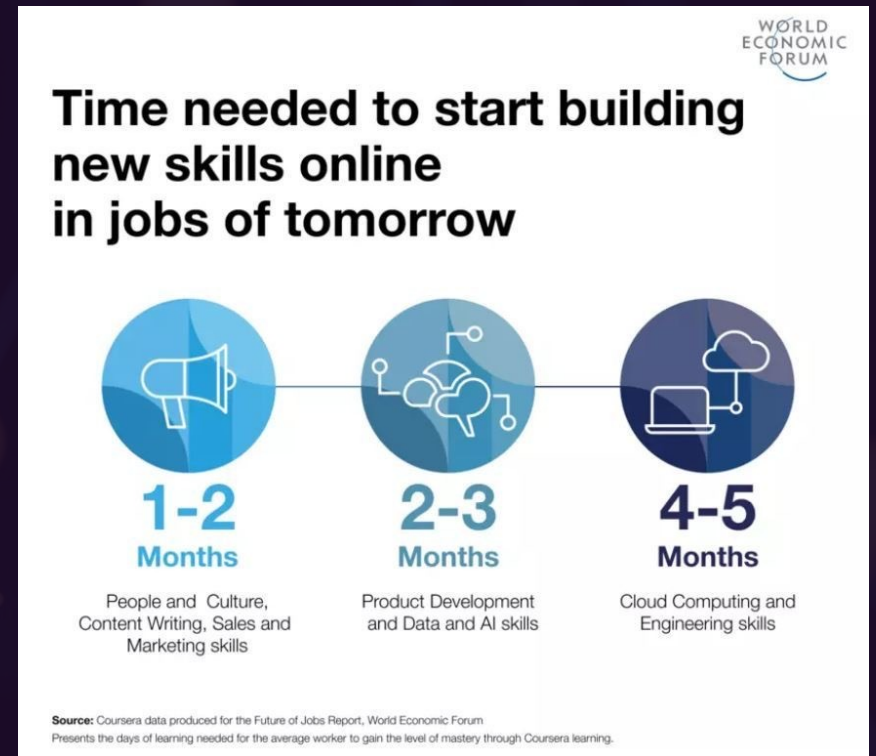
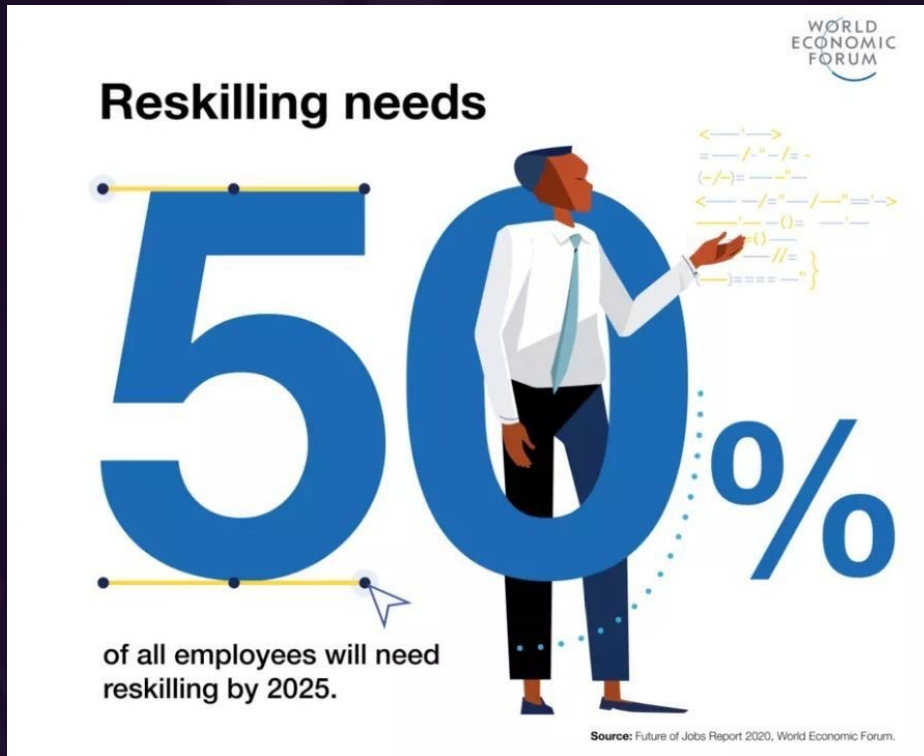
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What to Teach?



Photos: World Economic Forum



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Top 10 skills of 2025

-  Analytical thinking and innovation
-  Active learning and learning strategies
-  Complex problem-solving
-  Critical thinking and analysis
-  Creativity, originality and initiative
-  Leadership and social influence
-  Technology use, monitoring and control
-  Technology design and programming
-  Resilience, stress tolerance and flexibility
-  Reasoning, problem-solving and ideation











Type of skill

-  Problem-solving
-  Self-management
-  Working with people
-  Technology use and development

Source: Future of Jobs Report 2020, World Economic Forum.

What to Teach?

↑↑ Skills on the rise

-  Creative thinking
-  Systems thinking
-  Analytical thinking
-  AI and big data
-  Technological literacy
-  Motivation and self-awareness
-  Curiosity and lifelong learning
-  Talent management
-  Resilience, flexibility, and agility
-  Service orientation and customer service

↓↓ Skills on decline

-  Manual dexterity, endurance, and precision
-  Marketing and media
-  Sensory-processing abilities
-  Programming
-  Global citizenship
-  Environmental stewardship
-  Reading, writing, and mathematics
-  Teaching and mentoring
-  Multilingualism
-  Design and user experience

Photos: World Economic Forum; The ASEAN



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What to Teach?



“**We** have the **tools** at our disposal. The bounty of technological innovation which defines our current era can be **leveraged** to unleash human potential” – Klaus Schwab

Photos: World Economic Forum



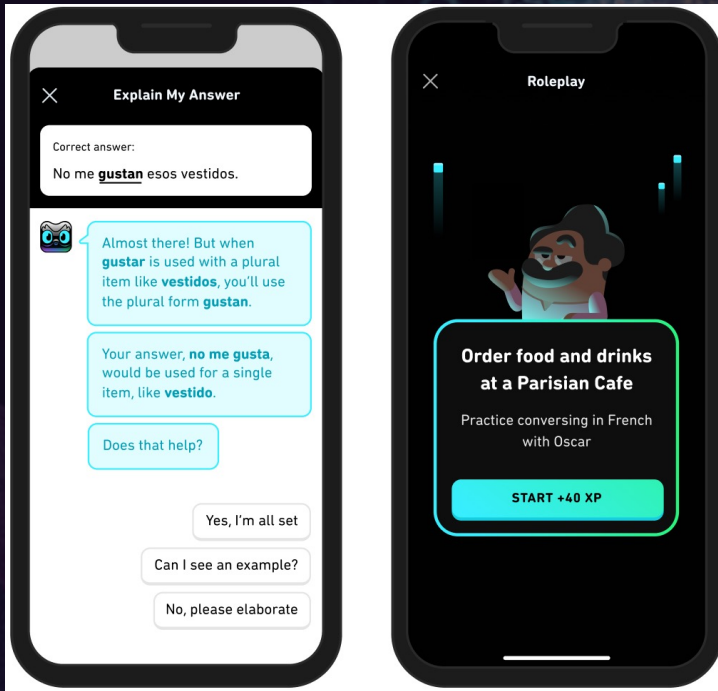
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1. Facial Expression Analysis

2. Eye-Tracking Technology

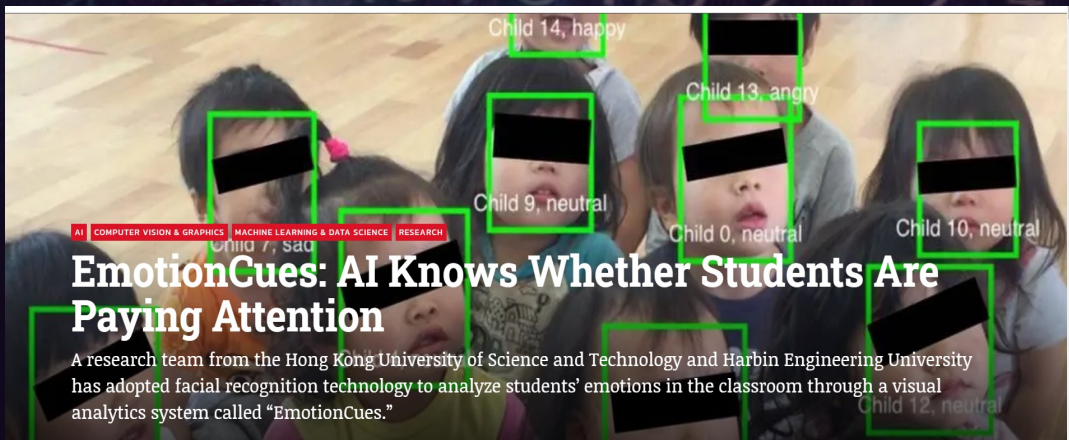
3. Gesture and Pose Recognition

4. Machine Learning-based

Engagement Detection

5. Assessment customization

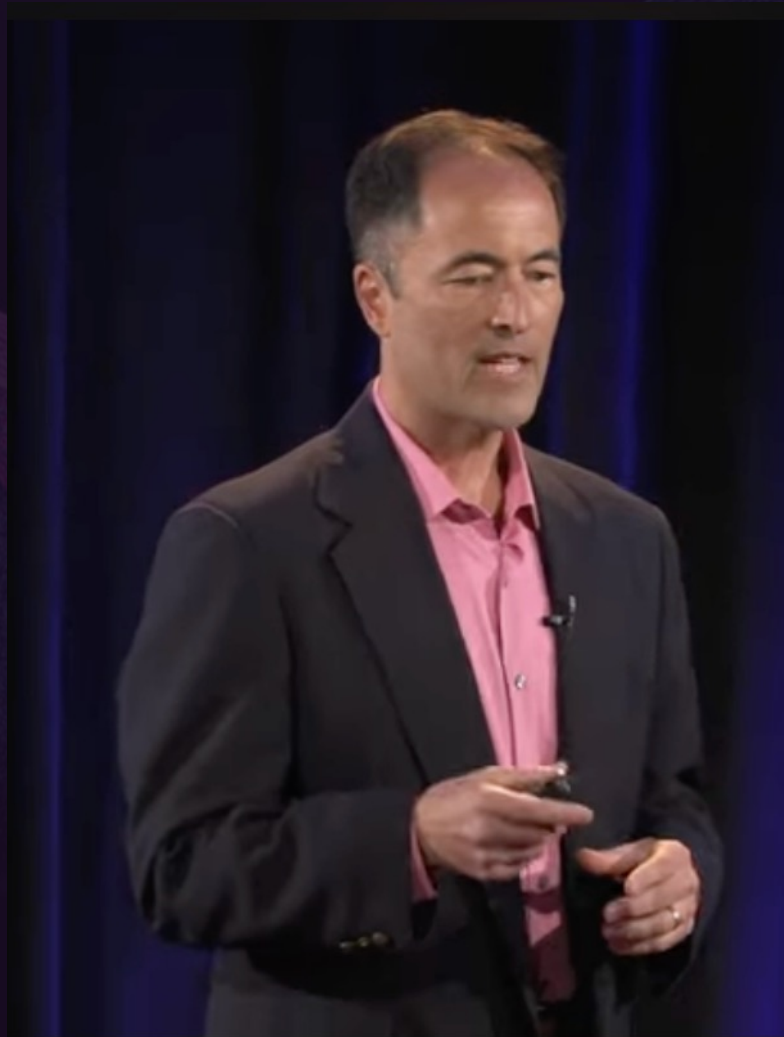
6. Data Analytics



EmotionCues: AI Knows Whether Students Are Paying Attention

A research team from the Hong Kong University of Science and Technology and Harbin Engineering University has adopted facial recognition technology to analyze students' emotions in the classroom through a visual analytics system called "EmotionCues."

The Paradigm Shift



“Only humans can think out of the box. AI can only follow the rules they’ve been given.” – Marc Natanagara

Machine Learning, AI, and the Future of Education |
Marc Natanagara | TEDxBrookdaleCommunityCollege

The Paradigm Shift

“AI can’t experience, generalize, reason, reflect, think abstractly, or understand relevance. A good education should do ALL OF THESE THINGS” – Marc Natanagara







Machine Learning, AI, and the Future of Education |
Marc Natanagara | TEDxBrookdaleCommunityCollege

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-  Technology use, monitoring and control
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-  Resilience, stress tolerance and flexibility
-  Reasoning, problem-solving and ideation

Type of skill

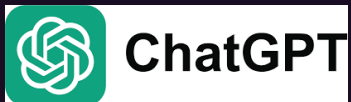
-  Problem-solving
-  Self-management
-  Working with people
-  Technology use and development

Source: Future of Jobs Report 2020, World Economic Forum.

↑↑ Skills on the rise

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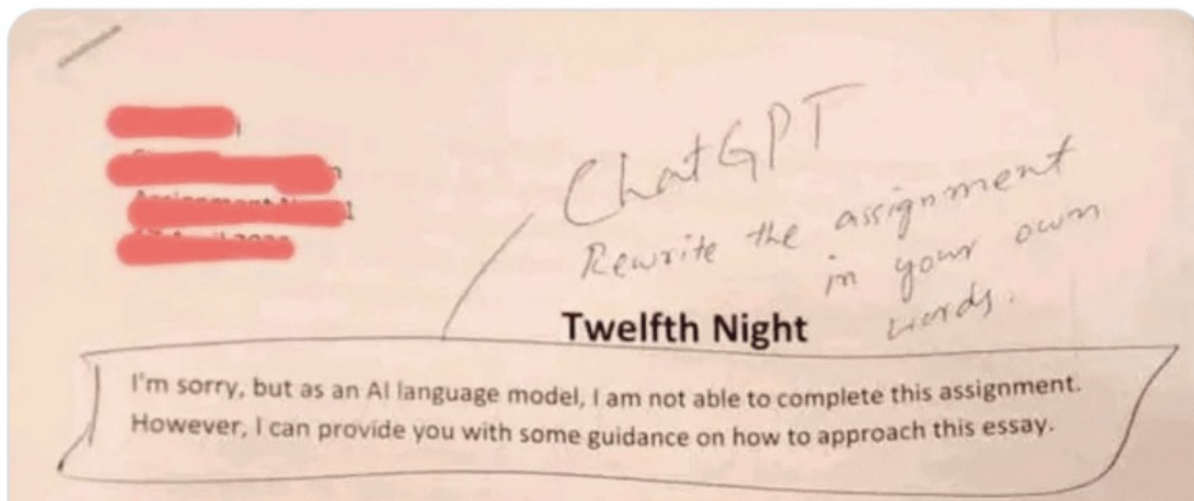
Photos: World Economic Forum;
The ASEAN



Justine Moore ✓
@venturetwins

Teachers: "AI is a disaster, how am I going to know who is cheating?!"

Students:



Portfolio Output No. 27 - Personal Reflection paper on the party.

1. considering your answer in letter A. what drew you to this side of the room? the response clarifies that as an AI language model, it lacks physical presence or the ability to perceive surroundings - it reiterates that the AI exist as a program running on servers emphasizing its limitations in terms of physical interactions or preferences in a physical space.

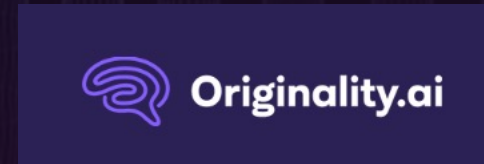
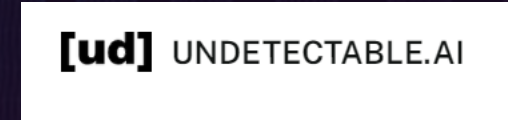
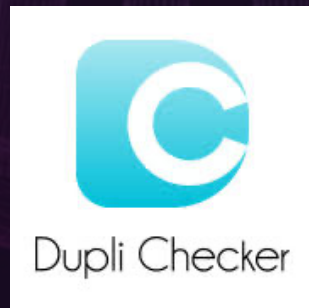
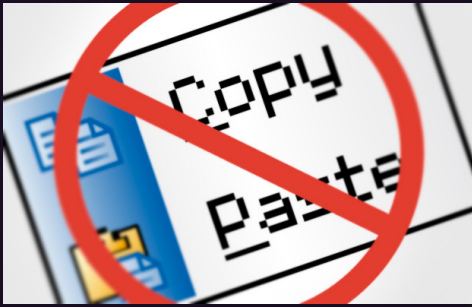
2. why did you consider in letter B as your next Des choices? what made you not choose them first yet would choose them next once the first group leaves? Prioritization: the decision-maker may prioritize certain options over others based on their perceived importance or urgency. In this case, the decision-maker may have initially chosen options other than B because they were considered more important or urgent at that time.

copied from ChatGPT!!!

why did you consider the group in letter C as your next choice? why was your choice in letter D the least of your choices among the group of people in the party? what is the made you choose them last. As an AI there doesn't seem to be enough information provided to accurately answer the original question - the given answer seems unrelated to the initial question - the original question appears to be about the decision-making process in the context of a social event however, the provided answer discussed decision-making in the general sense, and refers to a completely separate scenario involving a local school's team - to give an.

looking back at your scores in the interest and personality assessment, how would you relate this to your choices? I apologize for the confusion, but as an AI language model - I don't have access to personal information about individuals unless it has been shared with me in the course of our conversation. I am designed to respect user privacy and confidentiality.

What were your realizations after the said activity? As an AI language model, I don't have personal experiences or realizations - I can only provide information or assistance based on the data I was trained on. I am here to assist you with any questions or information you may need within the guidelines provided. If you have any specific questions or topics you'd like assistance with, feel free to let me know.



Giant Language model Test Room

The GLTR demo enables forensic inspection of the visual footprint of a language model on input text to detect whether a text could be real or fake. It is a collaborative effort between [Hendrik Strobelt](#), [Sebastian Gehrmann](#), and [Alexander Rush](#) from the [MIT-IBM Watson AI lab](#) and [Harvard NLP](#).



Last Thoughts

- Test of knowledge = nix essay, make it oral report
- Nix MCQs, use visual aids in questions & analysis
- Increase applied learning, hands-on assignments, and projects for RWE
- Understanding as the goal - use open-ended, scenario-based, and critical thinking or problem-solving questions.
- Know students' writing styles
- Personalize assessments, assign reflections and critical thinking

Last Thoughts

“AI, like the tech of the first industrial revolution, is supposed to take over tedious and tiresome functions, allowing people to engage in newer methods and processes.”

The Manila Times[®]

OPINION

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Evolve or Die – Part 3

By Ira Paulo Pozon  December 6, 2018



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