







EL LIDERAZGO ÁGIL Y TRANSFORMADOR DE LA EN LOS NUEVOS ENTORNOS DE CAMBIO

Impacto de IA en el Mercado de Trabajo 2024-2030 Retos y Oportunidades para Educación Continua

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Director Ejecutivo y Facultad, Educacion Continua
Florida International University

Distribución de Tiempos

1. Presentación (20 minutos)

Introducción y Contexto

Análisis Regional

Análisis de la Industria

Tecnologías Emergentes y Creación de Empleo

Futuro del Trabajo y El Role de la Educación Continua

2. Sesión Práctica para Determinar Nuevas Ofertas bajo IA (en Grupos - 60 minutos)

División en Grupos y Asignación de Tareas (5 minutos)

Evaluación del Mercado Laboral y Competencias (20 minutos)

Desarrollo de Estrategias Educativas (20 minutos)

Presentación de Resultados y Discusión (15 minutos)

3. Conclusiones y Cierre (10 minutos)

Resumen de Puntos Clave (5 minutos)





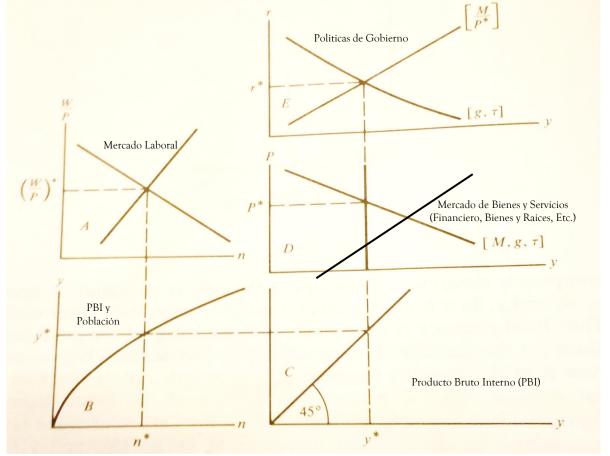




Introducción y Contexto

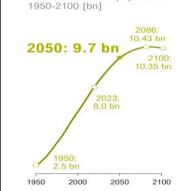
- Economía de Mercado Abierto
 - Políticas Monetarias y Fiscales
- Plan Estratégico Institucional
 - Las Cinco Fuerzas que Impactan el Mercado
 - Análisis FODA Fortalezas, Debilidades, Oportunidades y Amenazas (SWOT)
 - Análisis PESTEL Politico, Económico, Social, Tecnológico, Ambiental y Legal
 - Análisis VRIO Valor, Rareza, Imitabilidad y Organización

Los Modelos Neo-clásico y Neo-Keynesiano Estáticos





Trend Compendium 2050 Six megatrends that will shape the world



Evolution of world population



People & Society

Politics & Environment Governance & Resources

Economics & Business

Technology & Innovation **Health &** Care

Industry 4.0 frontier technologies 2020 2030 621 19 102 12 51 73

https://www.rolandberger.com/en/Insights/Global-Topics/Trend-Compendium/

x5 x4

x103 x88 x24 x12 x6



Population

Migration

Education & Labor

Values



Global Risks

Geopolitics

Future of **Democracy**



Climate Change & Pollution

Biodiversity

Resources & **Raw Materials**



Global Trade & Value Chains

Power Shifts

Energy Transformation

Debt Challenge



Value of Innovation

Frontier **Technologies**

Humans & Machines



Global Health Challenges

Healthcare of the Future

Caregiving

From Macro to Micro: Mega Trend Impact Analysis on Your Industry, Your Products and Services

Micro

Mega Trend

Selected Trends That Impact Your Business And Markets



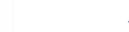
Example: Urbanization, Satellites

Sub Trend

A Sub Layer of Trends that Has Wide Ranging Impact

Example: Three concepts of urbanization will emerge: megacities, mega regions and mega corridors. Smart Cities. Civilian satellites means high speed broadband, wireless and 4G and free wi-fi in public places/cities

Macro





Analysis of Opportunities and Unmet Needs

Impact on Future Product/ Technology

Example: New Product
Opportunity - New Mega City
Cars, Car sharing,
New Technology Opportunities –
Connected car , e.g. Internet
Radio

Example: Mega City electric cars with small turning radius, autonomous parking in busy cities, Facebook on wheels, seamless switching from home to car

Example: People in future will need "personal mobility" not necessarily cars to commute to work. This will lead to need for integrated mobility combining all forms of transport including cars

Impact to Your

Industry

Visualizing The Roadmap Of

These Critical Forces Through

Scenario Building and Macro

Economic Forecasts

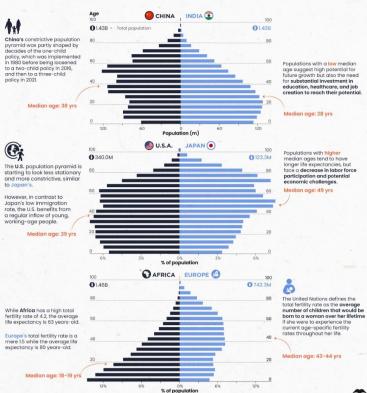
COMPARING POPULATION PYRAMIDS

Population pyramids illustrate the demographic makeup of a population, revealing age distribution, birth, and death rates. They are categorized into three commonly seen shapes

Have a **broad base** that represents a large young population, indicating high birth rates. Typically seen in developing countries that often also have **high mortality rates**.

Have a narrow base that indicates fewer young people compared to middle-aged and elderly people in the population. Common in developed countries with low fertility rates.

Have a tower-like structure due to stable population growth and similar numbers of people across age groups. Common in developed nations with moderate fertility rates.



Net Migration Pattern by State

According to the U.S. Census Florida ranks:

- o #1 in total net migration (444,484)
- o #1 in domestic migration (318,855)
- #1 with the most people moving in per day (1,218)
- #2 in international migration (125,629)
 behind
 - #1 California (125,715)
- behind #3 in total population (22,244,823)
 - #1 California (39,029,342)
 - #2 Texas (30,029,572)

States showing the most negative domestic migration:

- o California (-343,230)
- New York (-299,557)
- o Illinois (-141,656)

Click here to view interactive map

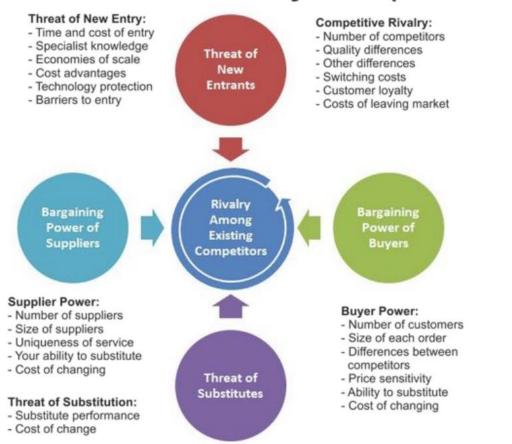




STRATEGIC PLAN



Five Forces Analysis (Porter)



Strengths

Weaknesses

Opportunities

Threats

SWOT PESTLE

Political

Economic

Sociological

Technological

Legal

Environmental



VUCA Analysis

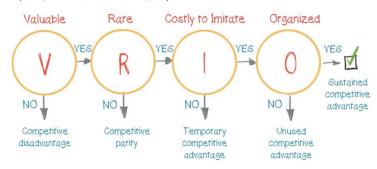
100/1/	widiy olo
Complejidad	Volatilidad
La situación tiene muchas partes y variables interconectadas. Alguna información está disponible o puede predecirse, pero el volumen o la naturaleza de esta puede ser abrumador para procesar.	El desafío es inesperado o inestable y puede tener una duración desconocida, pero no es necesariamente difícil de entender; el conocimiento sobre esto a menudo está disponible.
Ambigüedad	Incertidumbre
Las relaciones causales son completamente poco claras. No existen precedentes; enfrentas "incógnitas desconocidas".	A pesar de la falta de otra información, la causa y el efecto básicos del evento son conocidos. El cambio es posible pero no dado.

Ventajas Competitivas Sostenibles

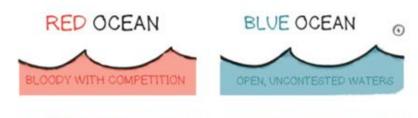
PERSPECTIVE FROM CUSTOMERS OR COMPETITORS



Is your product, service, company:



Running your idea through the VRIO framework can help determine whether or not you will have the chance for a sustained competitive advantage.

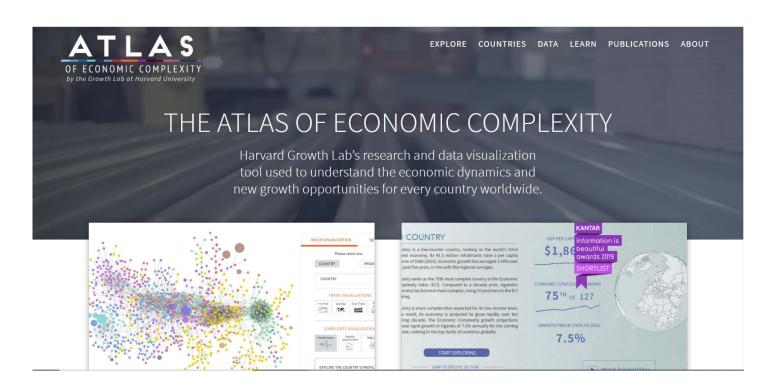


. COMPETE IN EXISTING MARKET SPACE

GREATE UNCONTESTED MARKET SPACE

Análisis Regional

- Estructura Económica
- Comercio Internacional Trade Visualiations
 - Exportation
 - Tree Map, Geo Map, Over Time Map, and Global Share
 - Importation
 - Tree Map, Geo Map, Over Time Map, and Global Share
- Complexity Visualizations
 - Product Space, Feasible Opportunities (Complexity or Opportunity Gain), and Ring Chart
- Tool: Atlas of Economic Complexity
 - https://atlas.cid.harvard.edu/



https://atlas.cid.harvard.edu/

Tool: Atlas of Economic Complexity (Country Profiles)





Peru is an upper-middle-income country, ranking as the 68th richest economy per capita out of 133 studied. Its 33.7 million inhabitants have a GDP per capita of \$6,635 (\$13,830 PPP; 2021). GDP per capita growth has averaged 0.3% over the past five years, above regional averages.

Peru ranks as the 107th most complex country in the Economic Complexity Index (ECI) ranking. Compared to a decade prior, Peru's economy has become less complex, worsening 19 positions in the ECI ranking. Peru's worsening complexity has been driven by a lack of diversification of exports. Moving forward, Peru is positioned to take advantage of a moderate number of opportunities to diversify its production using its existing knowhow.

Peru is less complex than expected for its income level. As a result, its economy is projected to grow slowly. The Growth Lab's 2031 Growth Projections foresee growth in Peru of 2.2% annually over the coming decade, ranking in the bottom half of countries globally.

Country Profile raw data is provided by UN COMTRADE (HS 1992) and the World Bank's World Development Indicators. Coverage is provided for a limited set of countries, depending on population, total trade volume, and sufficient data disclosure. Learn more about Atlas data here.

START EXPLORING

JUMP TO SPECIFIC SECTION









V



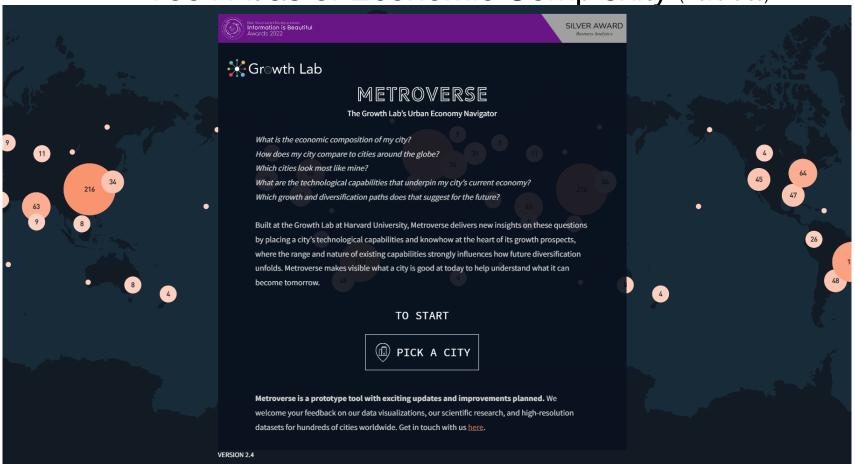


2.24% 96 TH OF 133

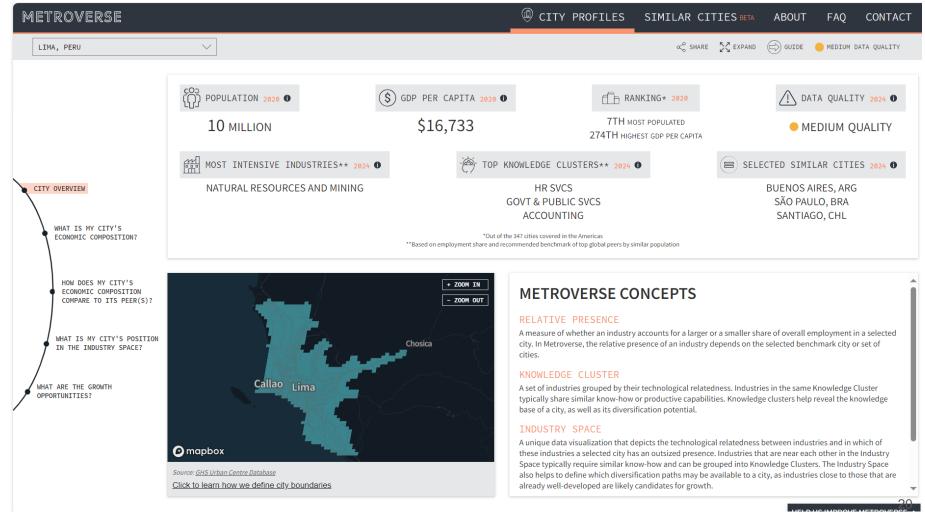
WATCH TUTORIAL VIDEO

18 Source: https://atlas.cid.harvard.edu/

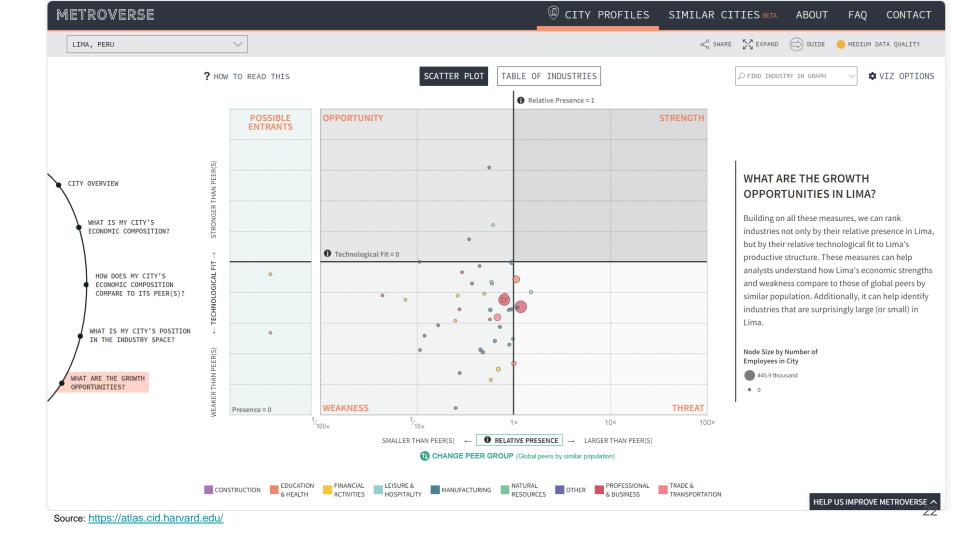
Tool: Atlas of Economic Complexity (Metroverse)

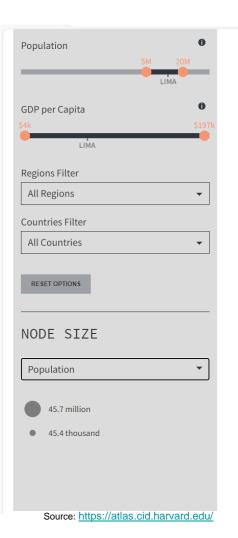


Source: https://atlas.cid.harvard.edu/











LESS SIMILAR

MORE SIMILAR

23

≪ SHARE 🌠 EXPAND 🛑 MEDIUM DATA QUALITY

Análisis de la Industria

- Proyecciones Industriales de Empleo
- Proyecciones Ocupacionales
- Patrones de Empleos Industriales
- Industria-occupacion matrix data, por industria

INDUSTRIES GAINING THE MOST NEW JOBS

			Employment				
	NAICS					Percent	
Rank	Code	NAICS Title	2021	2029	Growth	Growth	
1	722	Food Services and Drinking Places	92,669	117,673	25,004	27.0	
2	541	Professional and Technical Services	92,087	109,228	17,141	18.6	
3	621	Ambulatory Health Care Services	72,877	88,155	15,278	21.0	
1	721	Accommodation	28,157	40,488	12,331	43.8	
5	611	Educational Services	42,161	49,588	7,427	17.6	
6	488	Support Activities for Transportation	21,733	26,670	4,937	22.7	
	446	Clothing and Clothing Accessories Stores	15,257	20,118	4,861	31.9	
3	561	Administrative and Support Services	76,397	81,237	4,840	6.3	
)	622	Hospitals	47,264	51,412	4,148	8.8	
10	812	Personal and Laundry Services	12,785	16,910	4,125	32.3	
11	930	Local Government	105,628	109,622	3,994	3.8	
12	624	Social Assistance	20,806	23,885	3,079	14.8	
13	713	Amusement, Gambling & Recreation Ind	7,910	10,749	2,839	35.9	
14	441	Motor Vehicle and Parts Dealers	15,327	17,935	2,608	17.0	
15	492	Couriers and Messengers	12,165	14,665	2,500	20.6	
16	524	Insurance Carriers & Related Activities	20,529	22,705	2,176	10.6	
17	920	State Government	19,172	21,266	2,094	10.9	
18	238	Specialty Trade Contractors	33,199	35,291	2,092	6.3	
19	523	Financial Investment & Related Activity	8,697	10,751	2,054	23.6	
20	711	Performing Arts and Spectator Sports	5,425	7,360	1,935	35.7	
Source:	Florida I	Department of Economic Opportunity - 2021-29 Industry Employment Projections.					

FASTEST-GROWING INDUSTRIES

			Employment			
	NAICS					Percent
Rank	Code	NAICS TITLE	2021	2029	Growth	Growth
	712	Museums, Parks and Historical Sites	1,221	2,034	813	66.6
	721	Accommodation	28,157	40,488	12,331	43.8
	713	Amusement, Gambling & Recreation Ind	7,910	10,749	2,839	35.9
	711	Performing Arts and Spectator Sports	5,425	7,360	1,935	35.7
5	812	Personal and Laundry Services	12,785	16.910	4.125	32.3
	448	Clothing and Clothing Accessories Stores	15,257	20,118	4,861	31.9
7	512	Motion Picture & Sound Recording Ind	2,884	3,765	881	30.5
3	518	ISPs, Search Portals, & Data Processing	1,289	1,637	348	27.0
9	722	Food Services and Drinking Places	92,669	117,673	25,004	27.0
10	532	Rental and Leasing Services	5,158	6,445	1,287	25.0
11	523	Financial Investment & Related Activity	8,697	10,751	2,054	23.6
12	488	Support Activities for Transportation	21,733	26,670	4,937	22.7
13	442	Furniture and Home Furnishings Stores	4,154	5,065	911	21.9
14	621	Ambulatory Health Care Services	72,877	88,155	15,278	21.0
15	492	Couriers and Messengers	12,165	14,665	2,500	20.6
16	484	Truck Transportation	5,845	6,981	1,136	19.4
17	483	Water Transportation	9,937	11,865	1,928	19.4
18	519	Other Information Services	1,213	1,439	226	18.6
19	541	Professional and Technical Services	92,087	109,228	17,141	18.6
	511		3,468	4.089	621	17.9

OCCUPATIONS GAINING THE MOST NEW JOBS

			Employment			
Rank	SOC Code	SOC Title	2021	2029	Growth	Percent Growth
2	35-2014	Cooks, Restaurant	13,157	18,899	5,742	43.6
3	41-2031	Retail Salespersons	39,755	45,366	5,611	14.1
4	35-3031	Waiters and Waitresses	20,439	25,911	5,472	26.8
5	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	29,283	33,136	3,853	13.2
6	11-1021	General and Operations Managers	22,440	25,742	3,302	14.7
7	37-2012	Maids and Housekeeping Cleaners	11.405	14.017	2.612	22.9
8	29-1141	Registered Nurses	25,384	27,868	2,484	9.8
9	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	9,346	11,701	2,355	25.2
10	31-1120	Home Health and Personal Care Aides	9,974	12,313	2,339	23.5
11	49-9071	Maintenance and Repair Workers, General	15,347	17,484	2,137	13.9
12	15-1256	Software Developers and Software Quality Assurance Analysts and Testers	5,894	7,977	2,083	35.3
13	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,245	22,201	1,956	9.7
14	53-3032	Heavy and Tractor-Trailer Truck Drivers	15,537	17,407	1,870	12.0
15	13-1161	Market Research Analysts & Marketing Specialists	6,804	8,633	1,829	26.9
16	31-9092	Medical Assistants	7,018	8,801	1,783	25.4
17	43-4051	Customer Service Representatives	30,768	32,533	1,765	5.7
18	41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	10,844	12,586	1,742	16.1
19	35-3011	Bartenders	5,807	7,514	1,707	29.4
20	13-2011	Accountants and Auditors	14,805	16,508	1,703	11.5

FASTEST-GROWING OCCUPATIONS

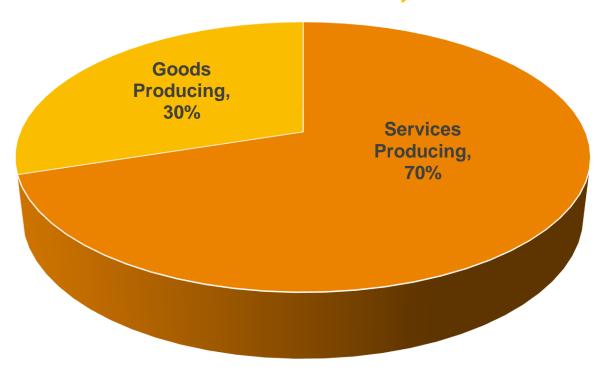
				Employment			
Rank	SOC Code	SOC Title	2021	2029	Growth	Percent Growth	
1	29-1171	Nurse Practitioners	1,695	2,530	835	49.3	
2	35-2014	Cooks, Restaurant	13,157	18,899	5,742	43.6	
3	39-6011	Baggage Porters and Bellhops	630	876	246	39.0	
4	29-1071	Physician Assistants	727	990	263	36.2	
5	39-2021	Nonfarm Animal Caretakers	1,977	2,680	703	35.6	
6	15-1256	Software Developers and Software Quality Assurance Analysts and Testers	5,894	7,977	2,083	35.3	
7	39-3091	Amusement and Recreation Attendants	3,776	5,097	1,321	35.0	
8	53-6021	Parking Lot Attendants	3,758	5,023	1,265	33.7	
9	39-9031	Fitness Trainers and Aerobics Instructors	1,526	2,038	512	33.6	
10	39-6012	Concierges	1,182	1,562	380	32.1	
11	31-2021	Physical Therapist Assistants	807	1,055	248	30.7	
12	11-9111	Medical and Health Services Managers	3,302	4,309	1,007	30.5	
13	35-3011	Bartenders	5,807	7,514	1,707	29.4	
14	27-4011	Audio and Video Equipment Technicians	690	891	201	29.1	
15	31-9011	Massage Therapists	1,212	1,565	353	29.1	
16	43-4081	Hotel, Motel, and Resort Desk Clerks	2,835	3,657	822	29.0	
17	29-1127	Speech-Language Pathologists	823	1,059	236	28.7	
18	35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	4,710	6,053	1,343	28.5	
19	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	3,775	4,851	1,076	28.5	
20	35-1011	Chefs and Head Cooks	1,315	1,685	370	28.1 28	



Table 1.9 2022–32 Industry-occupation matrix data, by industry

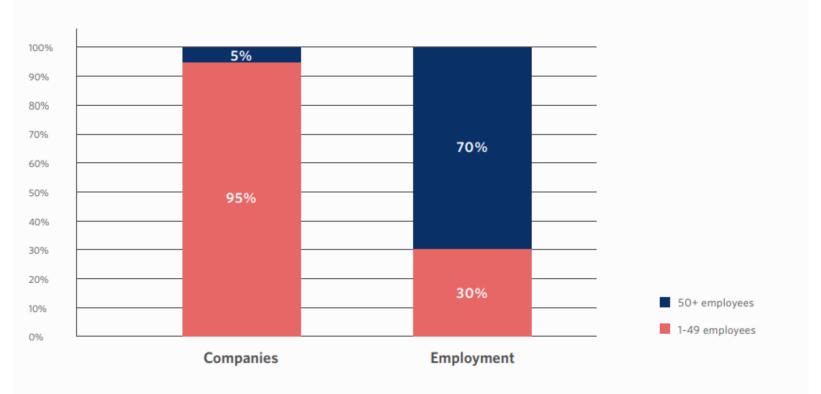
2022 National Employment Matrix title	2022 National Employment Matrix code	Industry type	2022 NAICS code	National Employment Matrix Link
Total employment	TE1000	Summary	_	Projection for TE1000
Self-employed workers	TE1100	Line item	_	Projection for TE1100
Total wage and salary employment	TE1200	Summary	_	Projection for TE1200
Agriculture, forestry, fishing and hunting	110000	Summary	110000	Projection for 110000
Crop production	111000	Line item	111000	Projection for 111000
Animal production and aquaculture	112000	Line item	112000	Projection for 112000
Forestry and logging	113000	Summary	113000	Projection for 113000
Forestry	1131-2	Line item	113100-3200	Projection for 1131-2
Logging	113300	Line item	113300	Projection for 113300
Fishing, hunting and trapping	114000	Line item	114000	Projection for 114000
Support activities for agriculture and forestry	115000	Line item	115000	Projection for 115000
Mining, quarrying, and oil and gas extraction	210000	Summary	210000	Projection for 210000

Total Employment – Services vs. Good Producing Industries Miami-Dade County



PERCENTAGE OF COMPANIES AND EMPLOYMENT IN MIAMI

Comparison by Size Class

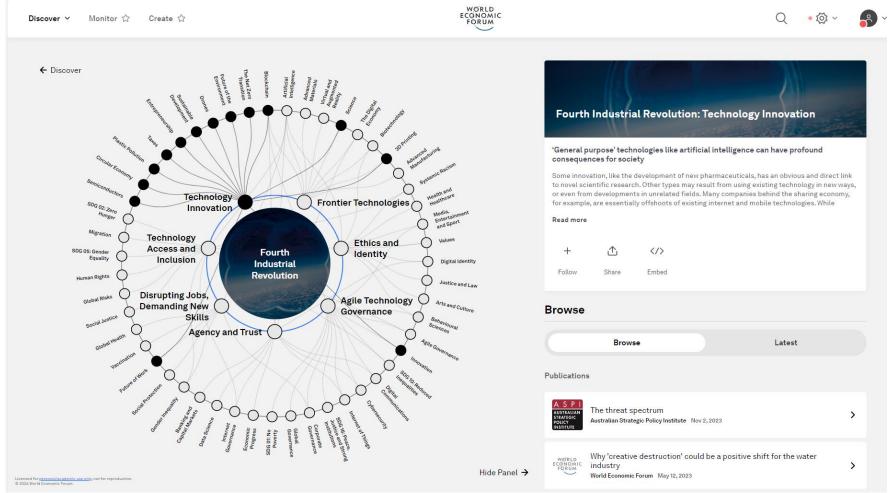


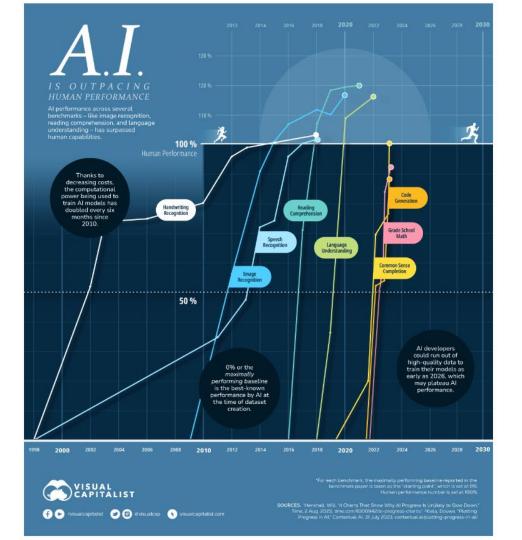
Source: Endeavor Insight analysis and U.S. Census Bureau, Business Dynamics Statistics.

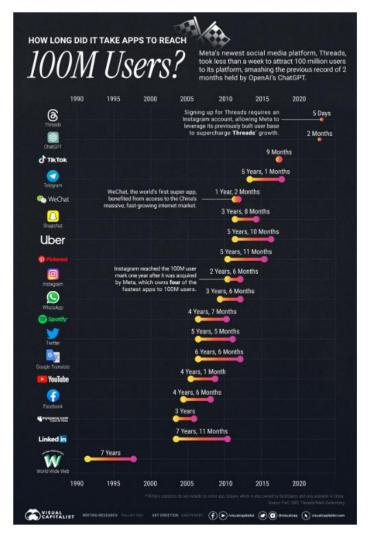
https://floridajobs.org/economic-data/employment-projections

Tecnologías Emergentes y Creación de Empleo

- La 4ta Revolution Industrial
- IA Sobrepasando las Habilidades Humanas
- Digital Afterlife
- The Future Factory MIT
- 3D Hologram Fans
- Quantum Computing







Technology Creates More Jobs Than It Destroys

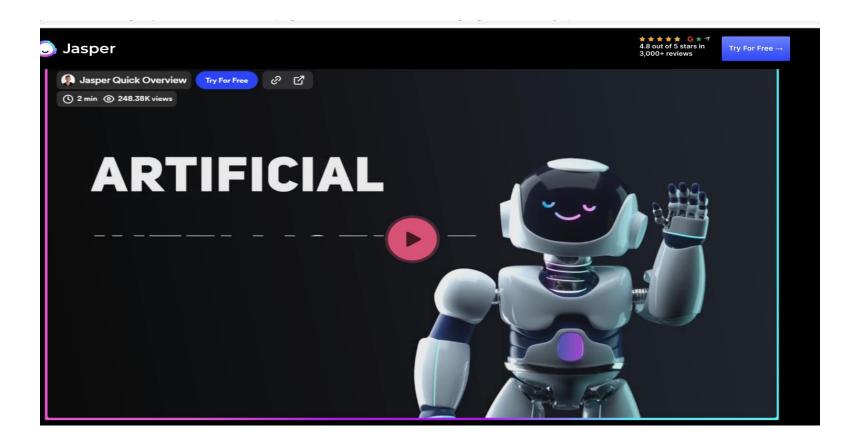
Despite the claims to the contrary, innovation is a job creator, not a job demolisher.

Tuesday, September 10, 2019



Creative Destruction

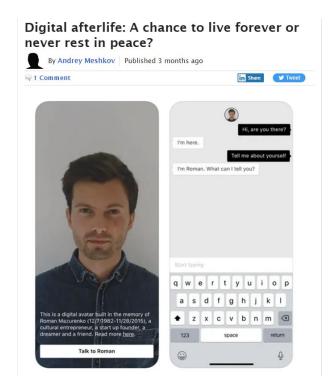
- Joseph Shumpeter (1883-1950)
 - "This process of creative destruction is the essential fact about capitalism"
- The kind of competition that counts: "...the new commodity, the new technology, the new source of supply, the new type of organization...which strikes not at the margins of the profits and the outputs of the existing firms but at their foundations and their very lives"



https://www.jasper.ai/free-

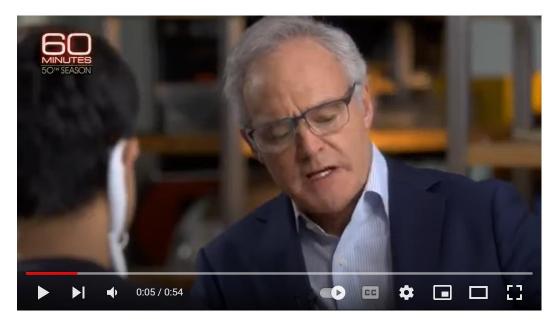
trial?adgroupid=124949426633&campaignid=13479856294&utm_source=google&utm_term=jasper&utm_content=527283671699&gclid=EAlalQobChMl7smr_Y-4-wIVS4FaBR3o9QizEAAYASAAEgLY4PD_BwE

Digital Afterlife



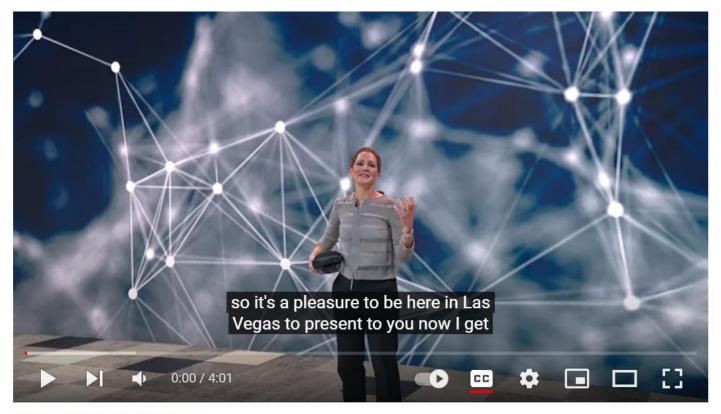


https://youtu.be/D9tZnC4NGNg



CBS NEWS 60 MINUTES: Making ideas into reality at MIT's "Future Factory"

https://youtu.be/3Un7yl6KmUM



#Microsoft #MSInspire #HoloLens2

Demo: The magic of AI neural TTS and holograms at Microsoft Inspire 2019

Impacting technologies

Media Lab – Making Ideas into Reality

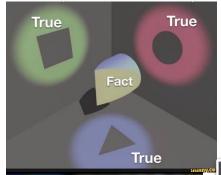
- https://www.cbsnews.com/video/mit-media-lab-making-ideas-into-reality/
- https://www.youtube.com/watch?v=QTXrez8u_J0

SOUND BEAMING TECHNOLOGY

https://apnews.com/article/new-tech-device-sound-beaming-noveto-38327ae5fe116080a5eaf2374eb0f5c8



Truth is based on a person's perspective. Therefore, there can be multiple truths about the same thing. Facts, on the other hand, are indisputable and singular in number. Make sure you have facts before you make decisions!





https://youtu.be/bffQ9Z_p0Zk



https://youtu.be/My2MWdyWQZU

The Future is Now

Leaders In Quantum Computing

- 1. IBM
- 2. Google Quantum Al
- 3. Amazon
- 4. Microsoft
- 5. Intel
- 6. D-Wave
- 7. Quantinuum
- 8. Rigetti
- 9. Xanadu
- 10. Atos Quantum

Other players include lonQ, Infleqtion, QC Ware and Zapata Computing. As of 12-11-2023

Why Might Businesses Be Interested In Using Quantum Computing Services?

Quantum Simulation: Quantum computers could simulate the behavior of complex quantum systems, which has applications in chemistry, material science, drug discovery and forecasting.

Quantum Optimization: Quantum computers could solve optimization problems more efficiently than classical computers, which has applications in logistics, finance, and supply chain management

Quantum Machine Learning: Quantum computers could improve machine learning algorithms and enable the

development of new AI models.

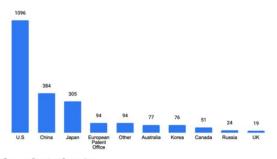
Quantum Cryptography: Quantum computers could enhance the security of communications and data by enabling the development of new cryptographic protocols.

IBM Quantum Learning

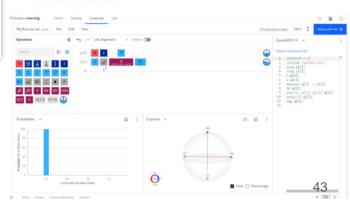




Quantum Computing Patents Issued by Country



Source: Quantum Consortium



Quantum Computing Impact On The Financial Sector (14:55)



https://youtu.be/IhS6ecYZFdQ

Futuro del Trabajo y El Role de la Educación Continua

- La IA transformará el trabajo en todas las industrias.
- La IA transformará el trabajo en todas las categorías laborales.
- La distribución de las horas de trabajo se verá afectada.
- Trifecta Ganar-Ganar / Trabajo-Negocio-Economía.
- Las empresas Expandirán en \$10.3 Trillones adicionales para el año 2038.

The gen Al state of play

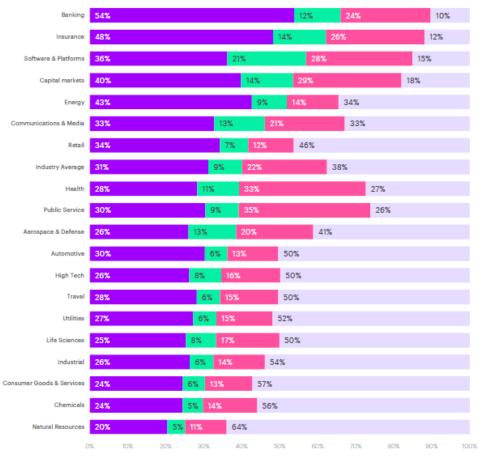
Al's evolution has been marked by three phases of significant advancements. The Diagnostic Era was largely defined by the introduction of machine learning. The Predictive Era gave us the ability to make increasingly accurate forecasts about everything from operations to customer behavior. And late 2022 saw the dawn of the Generative Era. Now, machines aren't just predicting with high accuracy, they're also generating creative content and offering personalized suggestions (see Figure 1).



Contents | Preface | Executive summary | The gen Al state of play | Conflicting views erode trust | The trifects of opportunities | Gen Al GPS | Prospects ahead

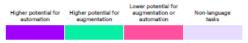
10

Figure 3: Generative AI will transform work across industries



Work time distribution by industry and potential AI impact

Based on their employment levels in the US in 2021



40% of working hours across industries can be impacted by Large Language Models (LLMs)

Why is this the case? Language tasks account for 62% of total worked time in the US. Of the overall share of language tasks, 65% have high potential to be automated or augmented by LLMs.

Source: Accenture Research based on analysis of Occupational Information Network (O*NET), US Dept. of Labor; US Bureau of Labor Statistics.

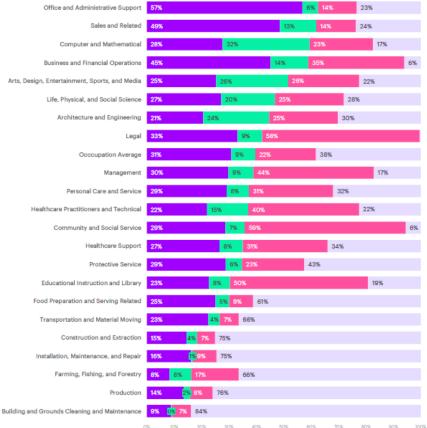
Notes: We manually identified 200 tasks related to language (out of 332 included in BLS), which were linked to industries using their share in each occupation and the occupations' employment level in each industry. Tasks with higher potential for automation oan be transformed by LLMs with reduced involvement from a human worker. Tasks with higher potential for augmentation are those in which LLMs would need more involvement from human workers.

2

Take a people-first approach

Success with generative Al requires an equal attention on people and training as it does on technology. Companies should therefore dramatically ramp up investment in talent to address two distinct challenges: creating Al and using Al. This means both building talent in technical competencies like AI engineering and enterprise architecture and training people across the organization to work effectively with Al-infused processes. In our analysis across 22 job categories, for example, we found that LLMs will impact every category. ranging from 9% of a workday at the low end to 63% at the high end. More than half of working hours in 5 of the 22 occupations can be transformed by LLMs.





Work time distribution by major occupation and potential Al impact

Based on their employment levels in the US in 2021

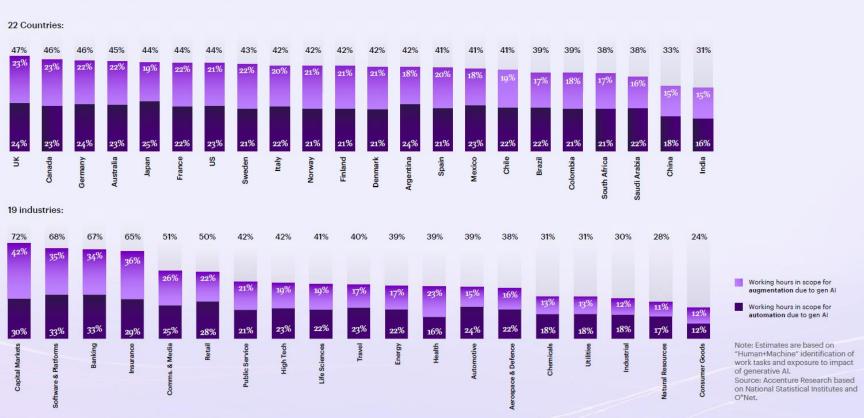


In 5 out of 22 occupation groups, Generative AI can affect more than half of all hours worked

Source: Accenture Research based on analysis of Occupational Information Network (O*NET), US Dept. of Labor; US Bureau of Labor Statistics.

Notes: We manually identified 200 tasks related to language (out of 332 included in BLS), which were linked to industries using their share in each occupation and the occupations' employment level in each job category. Tasks with higher potential for automation can be transformed by LLMs with reduced involvement from a human worker. Tasks with higher potential for augmentation are those in which LLMs would need more involvement from human workers.

Figure 2. A significant portion of working hours will be impacted (either automated or augmented) by generative AI



The trifecta of opportunities: economy, business, people

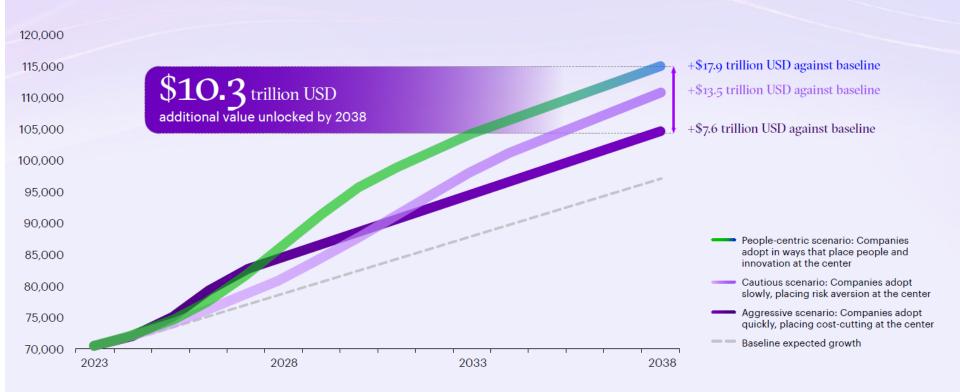
Even with a year's hindsight on generative AI's role in our everyday lives, harnessing the trifecta of opportunities to accelerate economic value, drive business growth and create more meaningful work for people is an ongoing effort. For each opportunity, the incentive only grows when people are the navigators along the path to achieving gen AI's full potential. While previous transformations focused mainly on workforce productivity, this age of gen AI will revolutionize work and workflows across the entire value chain. Our research is bringing into clearer view the big upside of integrating gen AI responsibly.

Economic upside

Our modeling reveals insights from three economic growth scenarios, each based on the pace of gen Al adoption and innovation. Among them, the "people-centric" scenario—where organizations adopt gen Al responsibly at scale, in ways that place people and innovation at the heart—stands out, potentially creating an additional \$10.3 trillion in economic value by 2038 (see Figure 5 on next page).³³



Figure 5. Companies can unlock an additional \$10.3 trillion in economic value by adopting responsible, people-centric approaches to gen AI



Futuro del Trabajo y El Rol de la Educación Continua

- Profesionales en Educación Continua tienen que ser agentes dinámicos en el desarrollo e implementación de estrategias para incorporar competencias de Inteligencia Artificial en el currículo de los programas
- 2. Impacto de las Tecnologías Emergentes en el Futuro del Trabajo
- 3. Nuevas Categorías de Empleo y Habilidades Requeridas
- 4. Importancia del Aprendizaje Continuo y la Adaptabilidad
- 5. Estrategias para Desarrollar Programas Académicos Adaptativos
 - Las instituciones educativas deben diseñar programas académicos que respondan a las necesidades cambiantes del mercado laboral, incorporando tanto habilidades tecnológicas como blandas, y utilizando herramientas de IA para personalizar la educación y evaluar el progreso del estudiante en tiempo real.

WHEN THERE'S A DISRUPTIVE **TECHNOLOGY LIKE** THIS, OVERALL IT'S GOOD FOR THE ECONOMY. **EFFICIENCIES IMPROVE AND MORE JOBS ARE** CREATED.

-Michael Fry, director of the Center for Business Analytics at the University of Cincinnati

A Hollywood Remake

Generative AI is much more than just special effects, and it's causing a new explosion of innovation in Tinseltown. BY SUSAN HORNIK



their jobs to the ways in which the news is being consumed. BY AMOS ZEEBERG



AI Jobs You Can Get **Right Now**

The demand for workers with Al skills has exploded. There were 800,000 Al-related job openings in the U.S. last year, according to Stanford University's Institute for Human-Centered Artificial Intelligence, The Bureau of Labor Statistics projects employment in the fields of tech and engineering will grow by 21% between 2021 to 2031. But there are even high-paying jobs for workers without computer engineering degrees. For example, Al prompt engineers can earn six-figure salaries by developing clear text prompts so that the system delivers more accurate responses to questions. Here, some other opportunities.

Al engineers use artificial intelligence and machine learning to tailor systems that make business recommendations and also enable organizations to become more efficient and productive. AVERAGE SALARY \$141.692*

Al research scientists investigate new Al techniques, explore ways and develop new algorithms to solve complex problems. AVERAGE SALARY \$103.626*

Machine learning engineers maintain and improve existing Al systems. AVERAGE SALARY \$151 399#



California, Texas, and New York have the most AI job postings.

Data engineers build systems that collect, manage and crunch raw data that is then converted into usable information to help businesses maximize performance. AVERAGE SALARY \$117,964*

Robotic engineers develop robotics for such industries as automotive, defense, aerospace, architecture, manufacturing, and medicine. AVERAGE SALARY \$104.062*

Data scientists determine what questions organizations need to answer and develop predictive models to forecast outcomes. AVERAGE SALARY \$144,078*

Al business consultants

help organizations to integrate artificial intelligence and machine learning technologies into their operations. AVERAGE SALARY \$137,885*

Al sales professionals promote and sell Al products and services that increase efficiency and revenue generation. **AVERAGE SALARY \$124,194***

Al ethicists ensure that human bias hasn't been introduced into Al systems and develop guidelines for fair practices in the field. AVERAGE SALARY 121.841** -Linda Marsa

The **Future** of Medicine

Artificial intelligence is improving diagnoses, treatments, and paperworkand changing the doctor-patient relationship for the better.

DOCTOR IN YOUR POCKET -



Can the new technology promote critical thinking without sacrificing the human touch? BY OLIVIA B. WAXMAN

MATH RAPS AND SHAKESPEARE TRANSLATION

Debate Partner & French Friend

LANGUAGE LITERACY

Storytelling Educator and author of The Al Infused French, Anvone? Sean Michael Morris, vice

Writing Peter Stone, a computer scientist at the

CRITICAL THINKING

Skeptical Mindset Eamon Marchant, science





Rethinking the Thinking Jobs

Is AI coming for knowledge workers? Yes, but not in the way we think. BY PAYAL DHAR









Sesión Práctica para Determinar Nuevas Ofertas bajo IA (en Grupos - 60 minutos)

- División en Grupos y Asignación de Tareas (5 minutos)
- Evaluación del Mercado Laboral y Competencias (20 minutos)
- Desarrollo de Estrategias Educativas Tomando en Cuenta IA (20 minutos)
- Presentación de Resultados y Discusión (15 minutos)







