



The Future of Jobs: Opportunities and Challenges in ICT-centric Economies

The Ministry of ICT Islamic Republic of Iran

Hello!

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A hand is shown writing on a chalkboard. The background is a grayscale image of a chalkboard with some faint writing. A semi-transparent blue rectangle is overlaid on the left side of the image, containing white text. The text is a list of speakers and panelists.

→ Speakers/Panellists

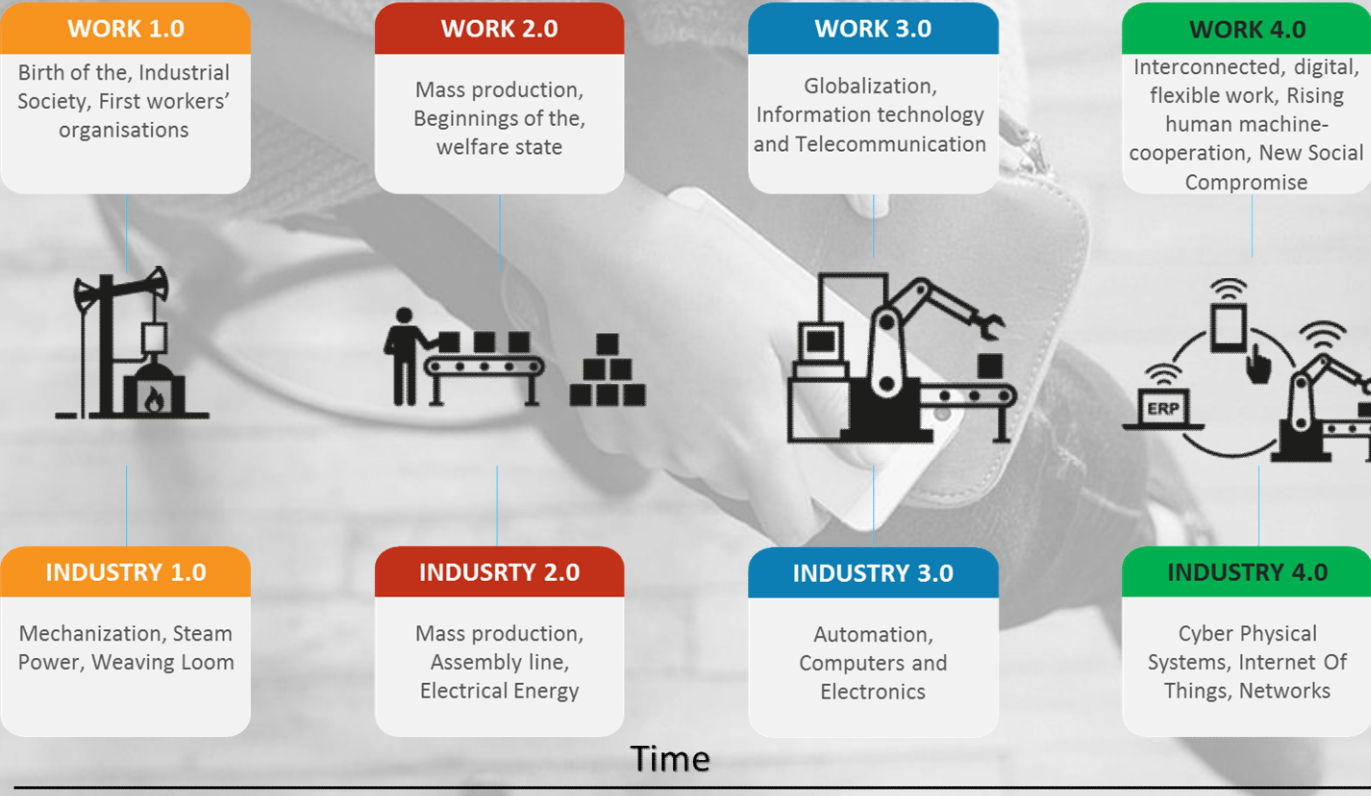
→ Dr. Ekkehard Ernst Chief Macroeconomic policies and jobs unit Research Department International Labour Organization

→ Dr. Janine Berg, Senior Economist at the ILO

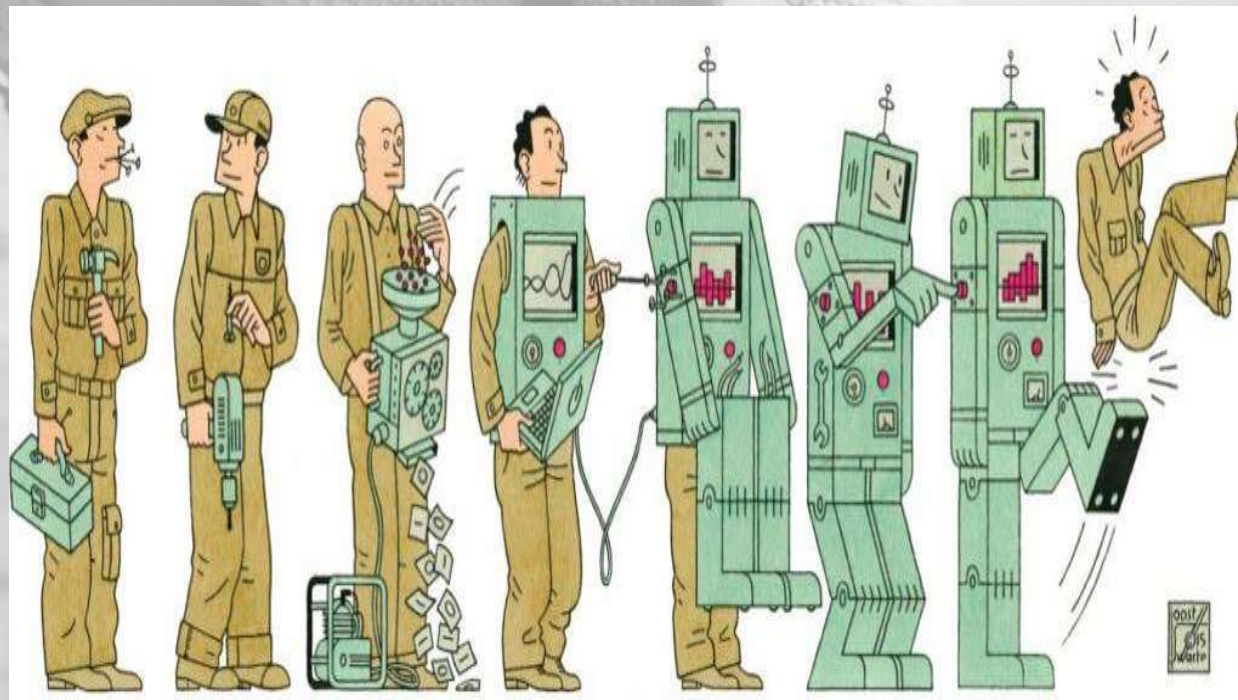
→ Dr. Mehdi Fasanghari, Director General of the Strategic Management, Ministry of ICT of Iran


4 WORK REVOLUTION

SKILL



4 WORK REVOLUTION

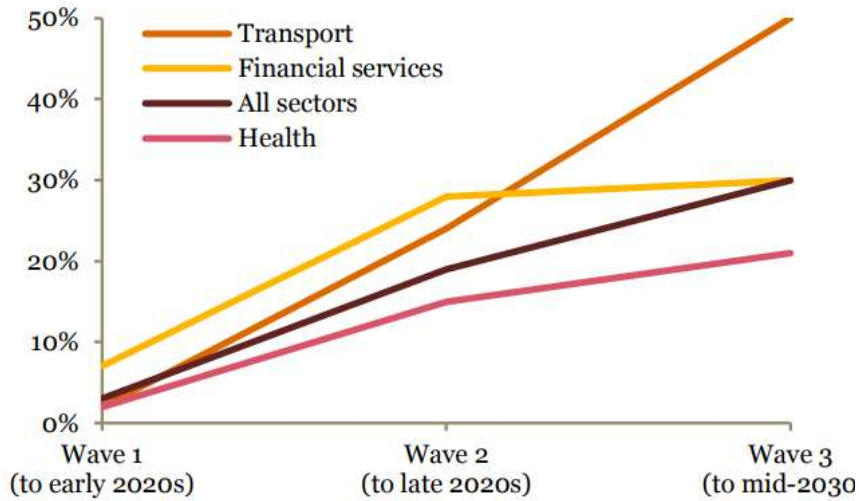


A blurred background of a desk with a laptop, keyboard, and mouse. A blue rectangular box is centered over the image, containing white text.

What is the impact of industry 4.0 on employment?

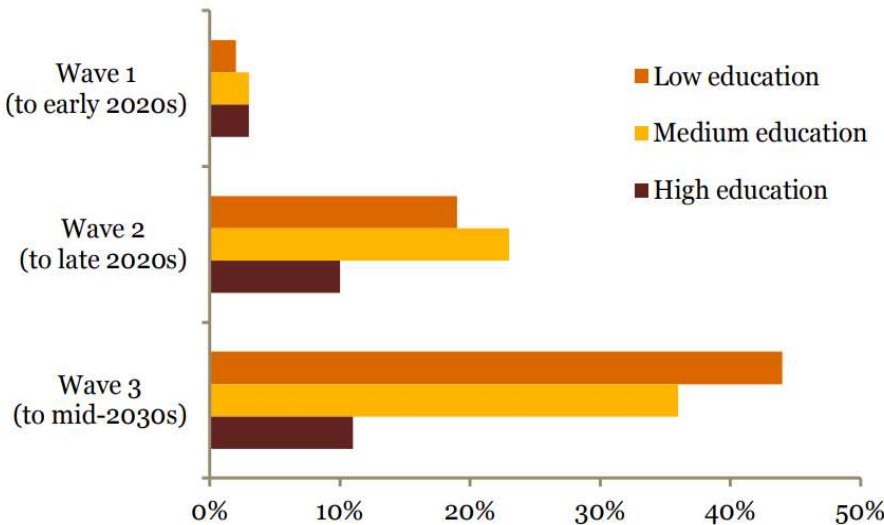
Impact of automation and industry 4.0

% of existing jobs at potential risk of automation



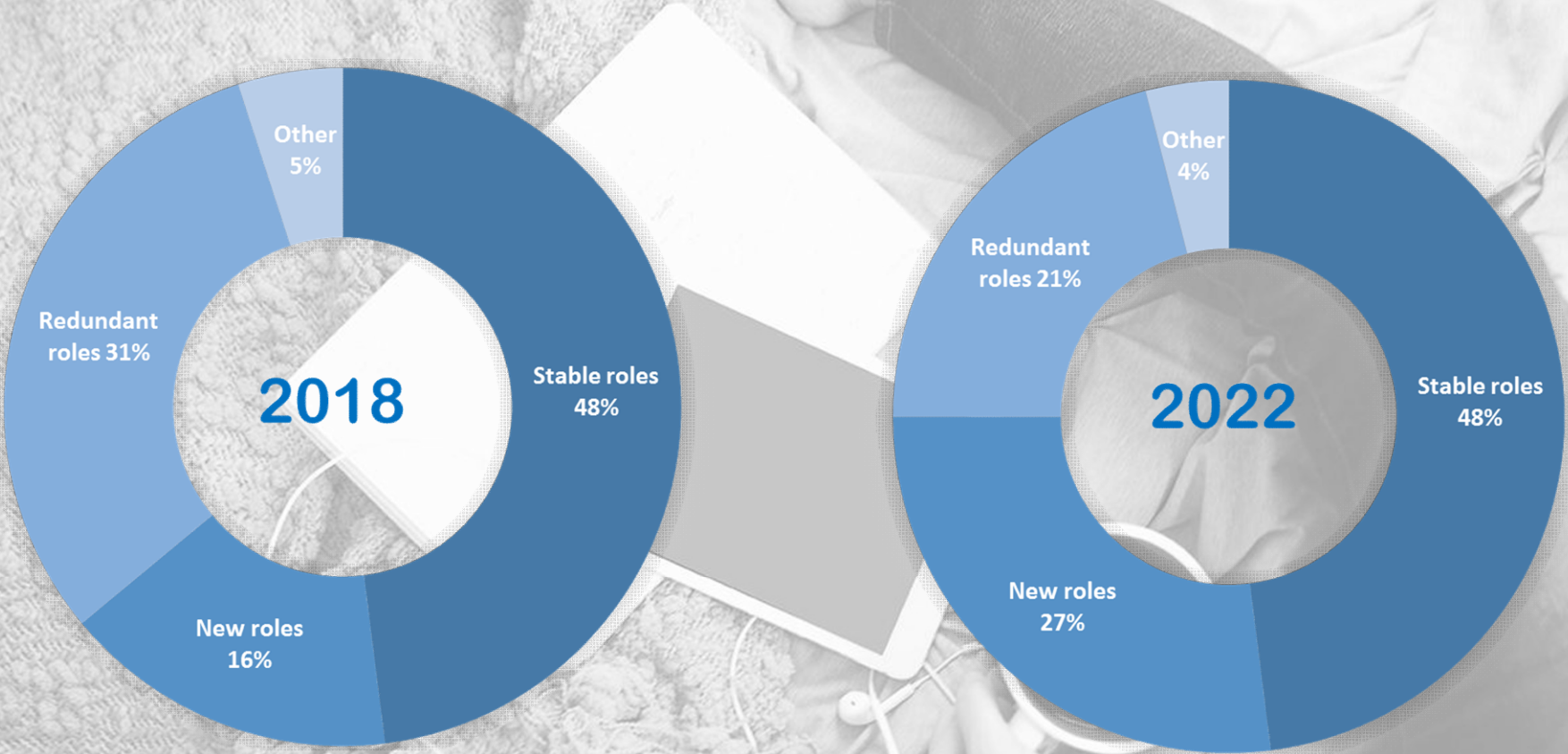
Source: PwC estimates based on OECD PIAAC data (median values for 29 countries)

% of existing jobs at potential risk of automation



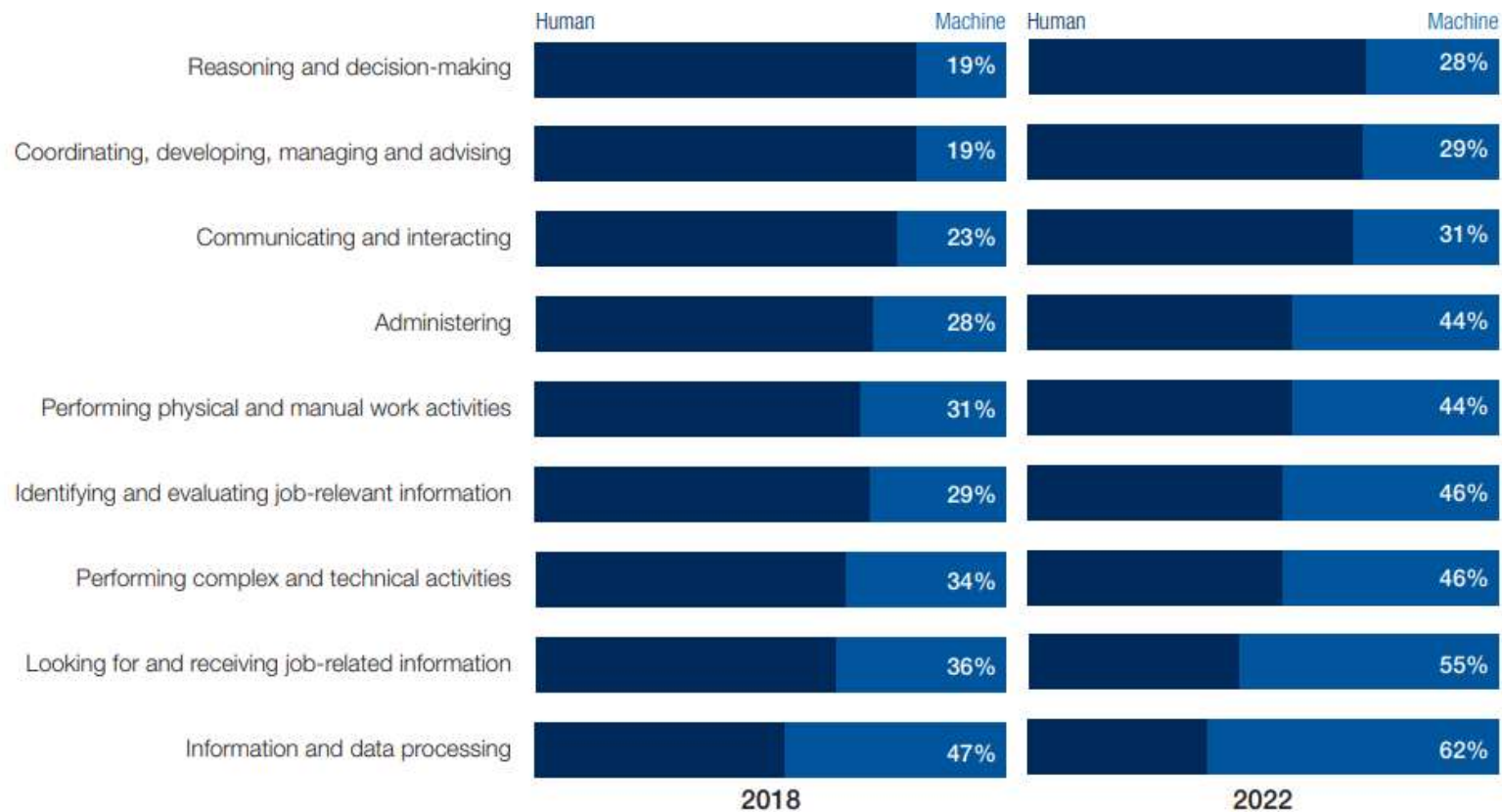
Source: PwC estimates based on OECD PIAAC data (median values for 29 countries)

Source: Future of Jobs Survey 2018, World Economic Forum



Share of stable, new and redundant roles, 2018 vs. 2022

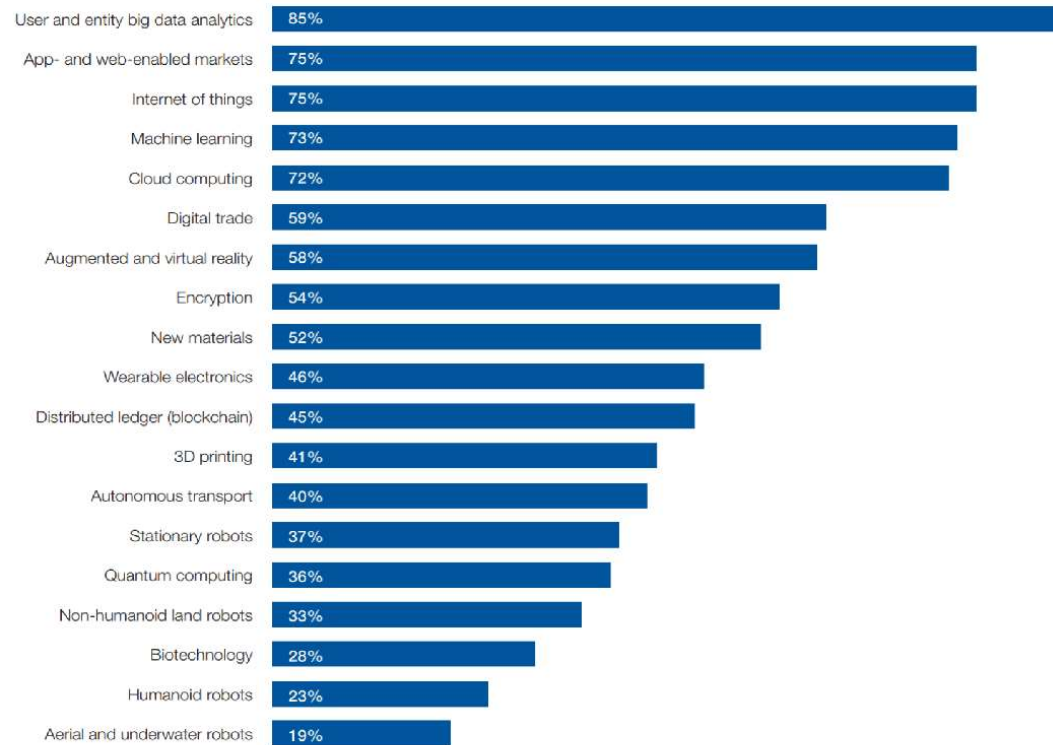
Impact of automation and industry 4.0



Source: Future of Jobs Survey 2018, World Economic Forum.

Technology adoption by companies

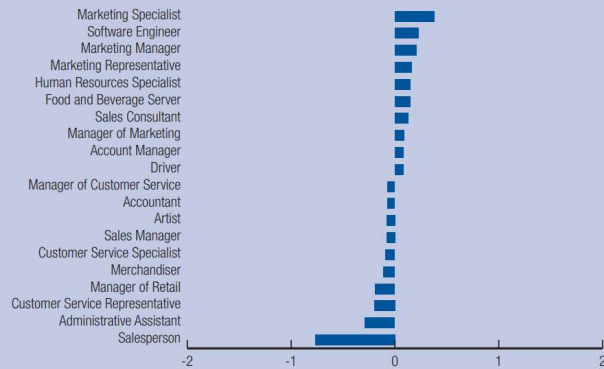
Figure 2: Technologies by proportion of companies likely to adopt them by 2022 (projected)



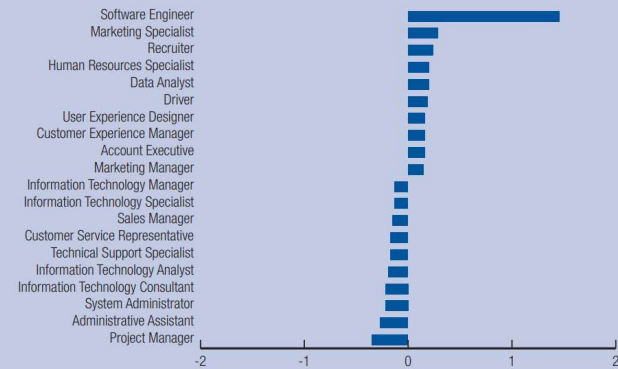
Source: Future of Jobs Survey 2018, World Economic Forum.

Top ten most emerging and declining roles between 2013–2017 as observed in hiring trends, by industry

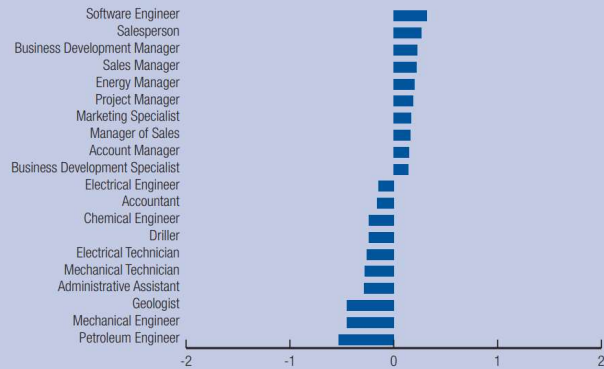
Consumer



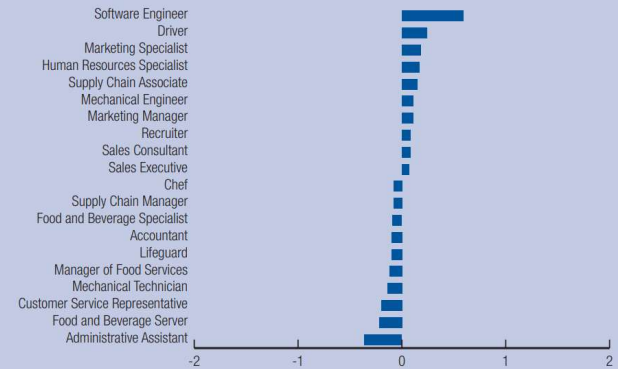
Information and Communication Technology



Energy

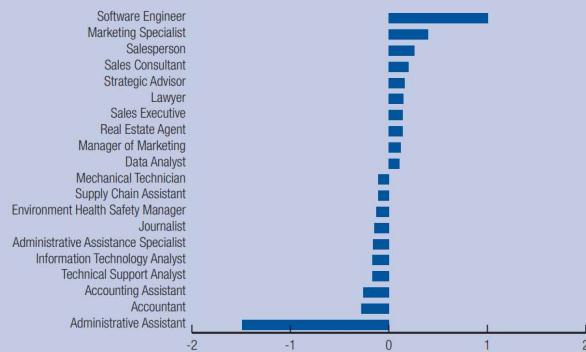


Mobility

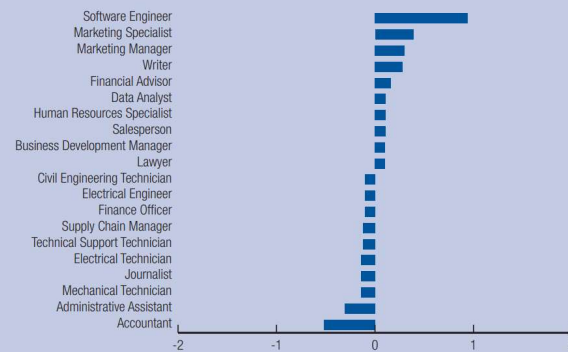


Top ten most emerging and declining roles between 2013–2017 as observed in hiring trends, by Region

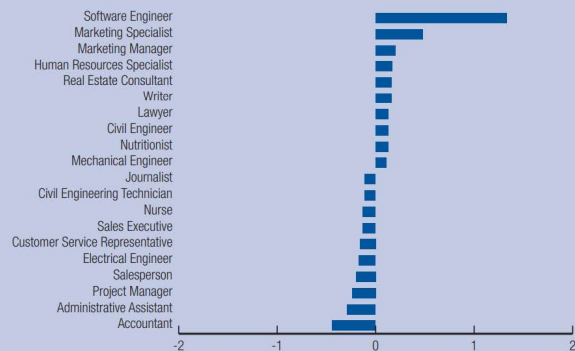
Latin America and the Caribbean



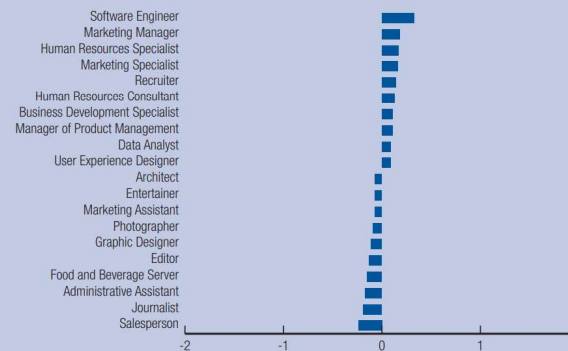
Sub-Saharan Africa



Middle East and North Africa



Western Europe



Source: LinkedIn.

A black and white photograph of a desk with a laptop, notebook, and mug, overlooking a city skyline with the Empire State Building. The scene is viewed through a window, with the desk in the foreground and the city in the background. The sky is overcast with clouds. A blue rectangular box is overlaid on the right side of the image, containing the text "Where are we going?".

Where are we
going?

Expected average reskilling needs across companies, by share of employees, 2018–2022



THE FIVE KEY TRENDS SHAPING THE FUTURE OF WORKS

THE MILLENNIAL WORKFORCE

New attitudes, expectations & ways of working

GLOBALIZATION

No boundaries



MOBILITY

Work anytime, anywhere, & on any device

NEW BEHAVIORSS

Shaped by social media & the web

TECHNOLOGIES

Shift to the cloud
Collaborative technologies
Big data
The internet of things

Future workforce characteristics

KNOWLEDGE & TASK BASED

Project-based work is set to increase from 28% in 2015 to 66% in 2020

digital skills

By 2024, roles requiring digital skills will grow by **12%**

FLEXIBLE & FLUID

9.3 million US workers have multiple sources of income and fluid working arrangements

COOPERATIVE & COLLABORATIVE

82% of businesses using collaboration tools want to increase future use



A close-up photograph of a hand holding a piece of white chalk, writing on a green chalkboard. The hand is positioned on the right side of the frame, with the chalk tip touching the board. In the background, the word 'Komu' is faintly visible on the chalkboard. A solid blue rectangular overlay is positioned on the left side of the image, containing the text 'Thanks for attention' in white. The overall scene suggests a classroom or lecture setting.

Thanks for attention