

Praktinis požiūris į kompetencijomis grįstą ugdymą

Arminas Varanauskas, Žinių ekonomikos
forumas



Kelionės traukiniais
dideliu greičiu
nejmanomos, nes
žmonės negalėtų
kvėpuoti ir mirtų dėl
deguonies trūkumo.

1800, Dionysius Lardner, mokslininkas

Photo by [Fikri Rasyid](#) on [Unsplash](#)




Skrydis sunkesnėmis
už orą mašinomis
yra nepraktiškas ir
nereikšmingas, jei
ne visiškai
nejmanomas.

1902, Simon Newcomb, mokslininkas

Photo by [Alexander Schimmeck](#) on [Unsplash](#)






Automobilis yra tik mada, kuri praeis, o arkliai buvo ir liks.

1903, vieno taupomojo banko vadovas patardamas Henry Ford advokatui neinvestuoti pinigų į automobilių verslą.

Photo by [shun idota](#) on [Unsplash](#)



Nėra jokių priežasčių, kodėl žmonėms vertėtų turėti kompiuterį savo namuose.

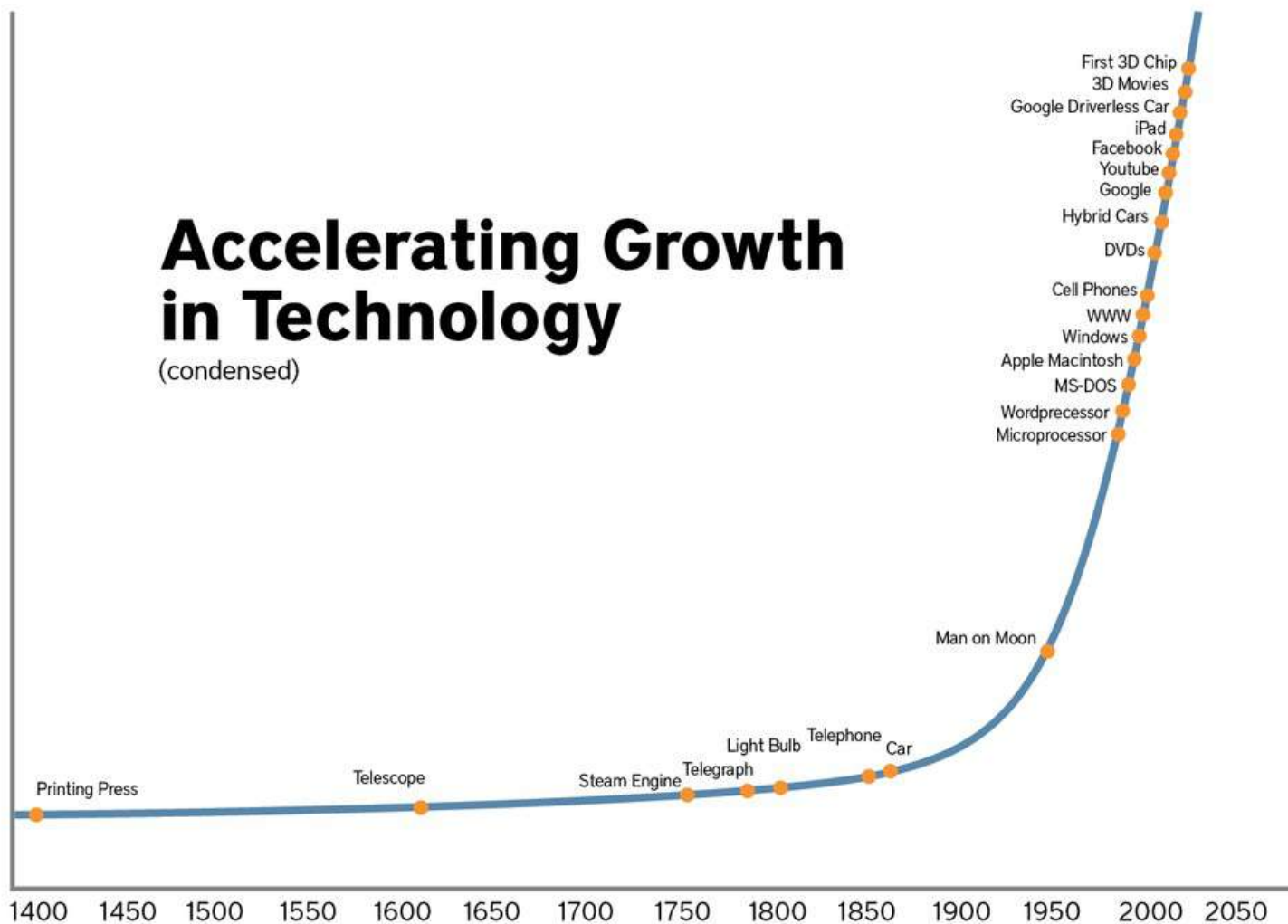
1977, Ken Olsen, verslininkas (Digital Equipment Corporation)

Photo by [Helena Lopes](#) on [Unsplash](#)

Pokyčiai
spartėja

Accelerating Growth in Technology

(condensed)



Technologijos
žmones
pasiekia
žymiai
greičiau

NO ORDINARY DISRUPTION DISRUPTION TWO: ACCELERATING TECHNOLOGICAL CHANGE

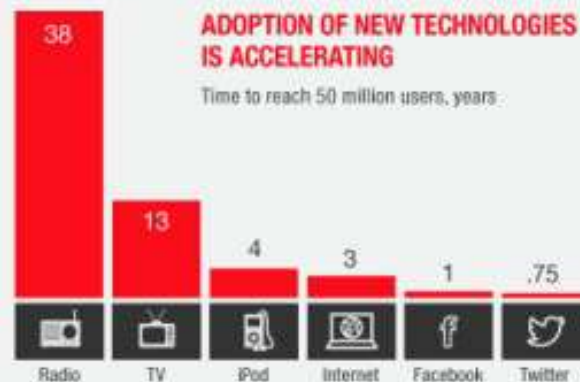
1 trillion objects expected to connect
to the Internet by 2025



GLOBALIZATION AND TECHNOLOGY ARE CHANGING THE FACE OF THE BUSINESS WORLD

ADOPTION OF NEW TECHNOLOGIES IS ACCELERATING

Time to reach 50 million users, years



TECHNOLOGICAL BREAKTHROUGHS ARE SPEEDING UP

The path toward mobile internet



DISRUPTIVE TECHNOLOGIES TO WATCH

Estimated potential economic impact by 2025 across sized applications¹

 **Mobile Internet**
\$4 trillion–\$11 trillion

 **Automation of
knowledge work**
\$5 trillion–\$7 trillion

 **Internet of Things**
\$3 trillion–\$6 trillion

MCKINSEY GLOBAL INSTITUTE

Dobbs, Manyika, and Woetzel, *No Ordinary Disruption: The Four Global Forces Breaking All the Trends*, May 2015.
¹Including consumer surplus; McKinsey Global Institute, *Disruptive Technologies*, May 2013

JAN
2022

OVERVIEW OF INTERNET USE

ESSENTIAL INDICATORS OF INTERNET ADOPTION AND USE



TOTAL
INTERNET
USERS



4.95
BILLION

INTERNET USERS AS
A PERCENTAGE OF
TOTAL POPULATION



we
are
social

62.5%

YEAR-ON-YEAR CHANGE
IN THE NUMBER OF
INTERNET USERS



+4.0%
+192 MILLION

AVERAGE DAILY TIME SPENT
USING THE INTERNET BY
EACH INTERNET USER



GWI.

6H 58M
+1.0% (+4M)

PERCENTAGE OF USERS
ACCESSING THE INTERNET
VIA MOBILE PHONES



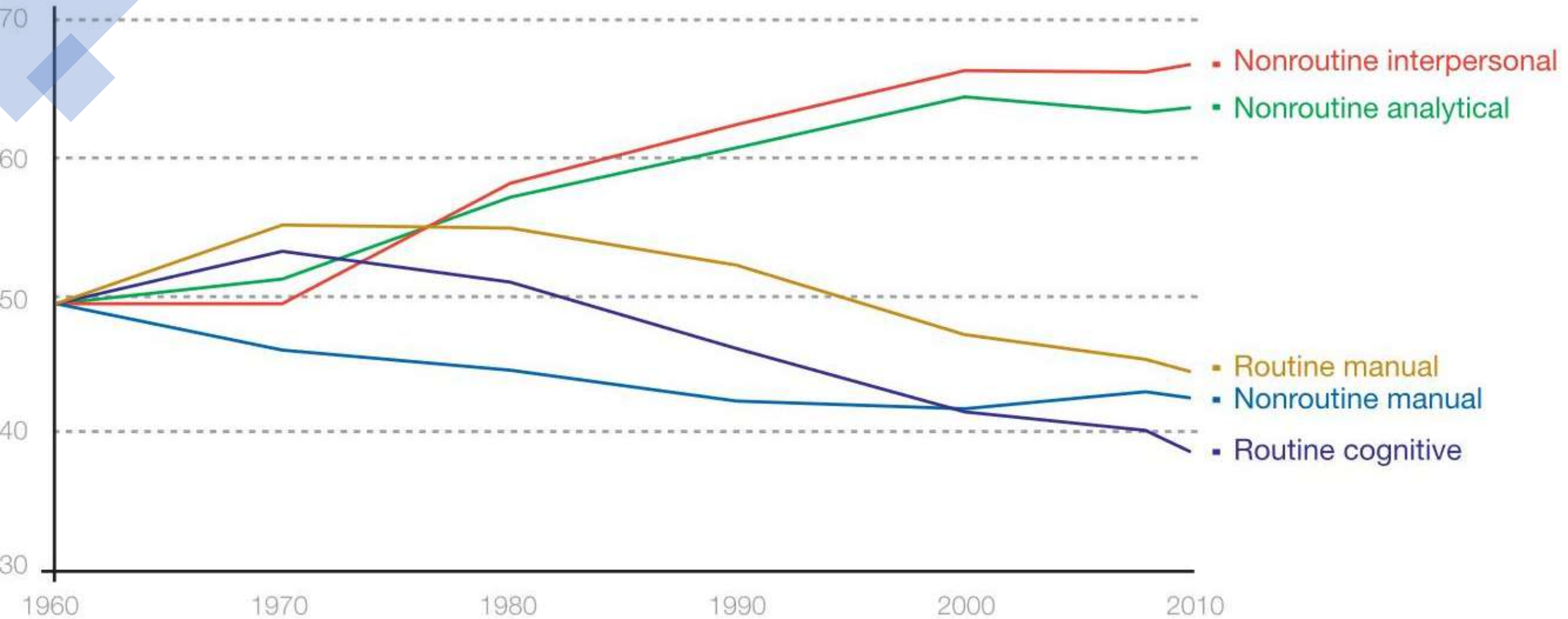
92.1%



Data never sleeps 10.0

Exhibit 1: The labour market increasingly demands higher-order skills

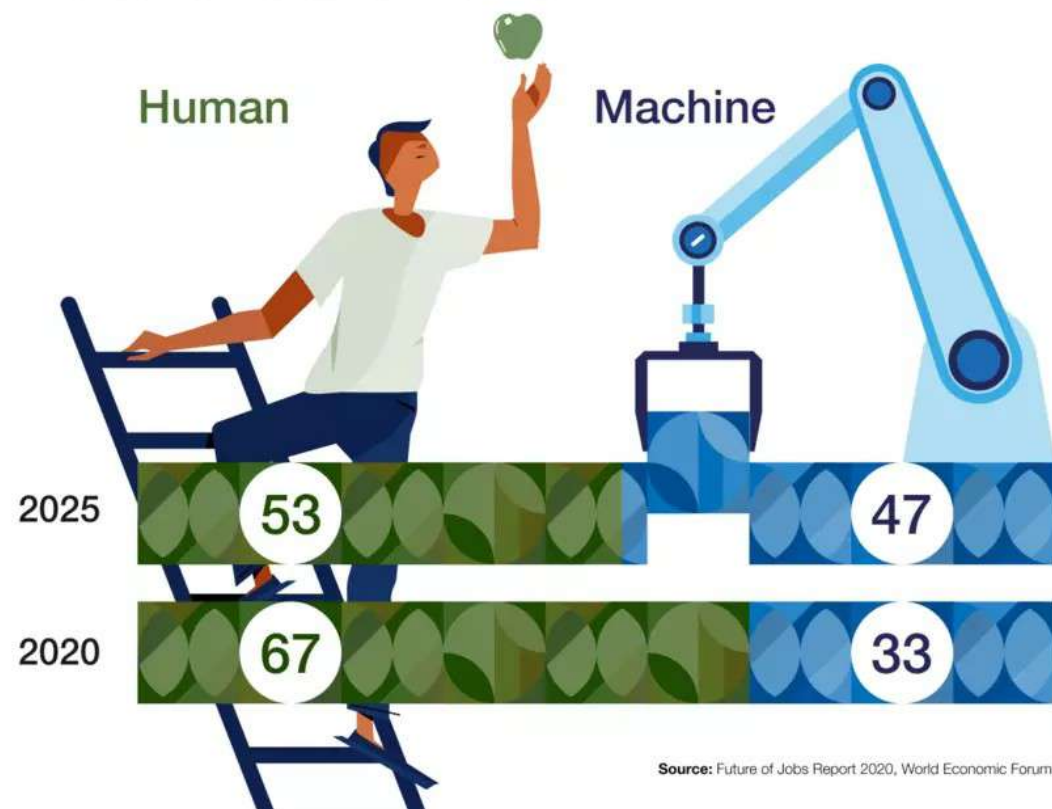
Tasks by percentile for the US economy, 1960-2009



Note: The starting point of the chart has been indexed to 1960.

Adapted from Levy, Frank and Richard J. Murnane. "Dancing with robots: Human skills for computerized work." Third Way NEXT. 2013. Data provided by David Autor at MIT and updated from the original 2003 study by Autor, Levy and Murnane.





Rate of automation



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

Researchers took a shot at estimating how technology will affect the job market in 20 years. Find your job below to see what the data say about your future.

Education, Training, and Library ▾

High School Teachers ▾



High School Teachers have a

0.8%

chance of being automated.

How do we know this? Some aspects of a job are easier to automate than others. It all depends on the tasks. Look at the orange bars to see how High School Teachers compare with other professions...

Researchers took a shot at estimating how technology will affect the job market in 20 years. Find your job below to see what the data say about your future.

Education, Training, and Library ▾

Preschool Teachers ▾



Preschool Teachers have a

0.7%

chance of being automated.

How do we know this? Some aspects of a job are easier to automate than others. It all depends on the tasks. Look at the orange bars to see how Preschool Teachers compare with other professions...

Researchers took a shot at estimating how technology will affect the job market in 20 years. Find your job below to see what the data say about your future.

Education, Training, and Library ▾

Elementary School Teachers ▾



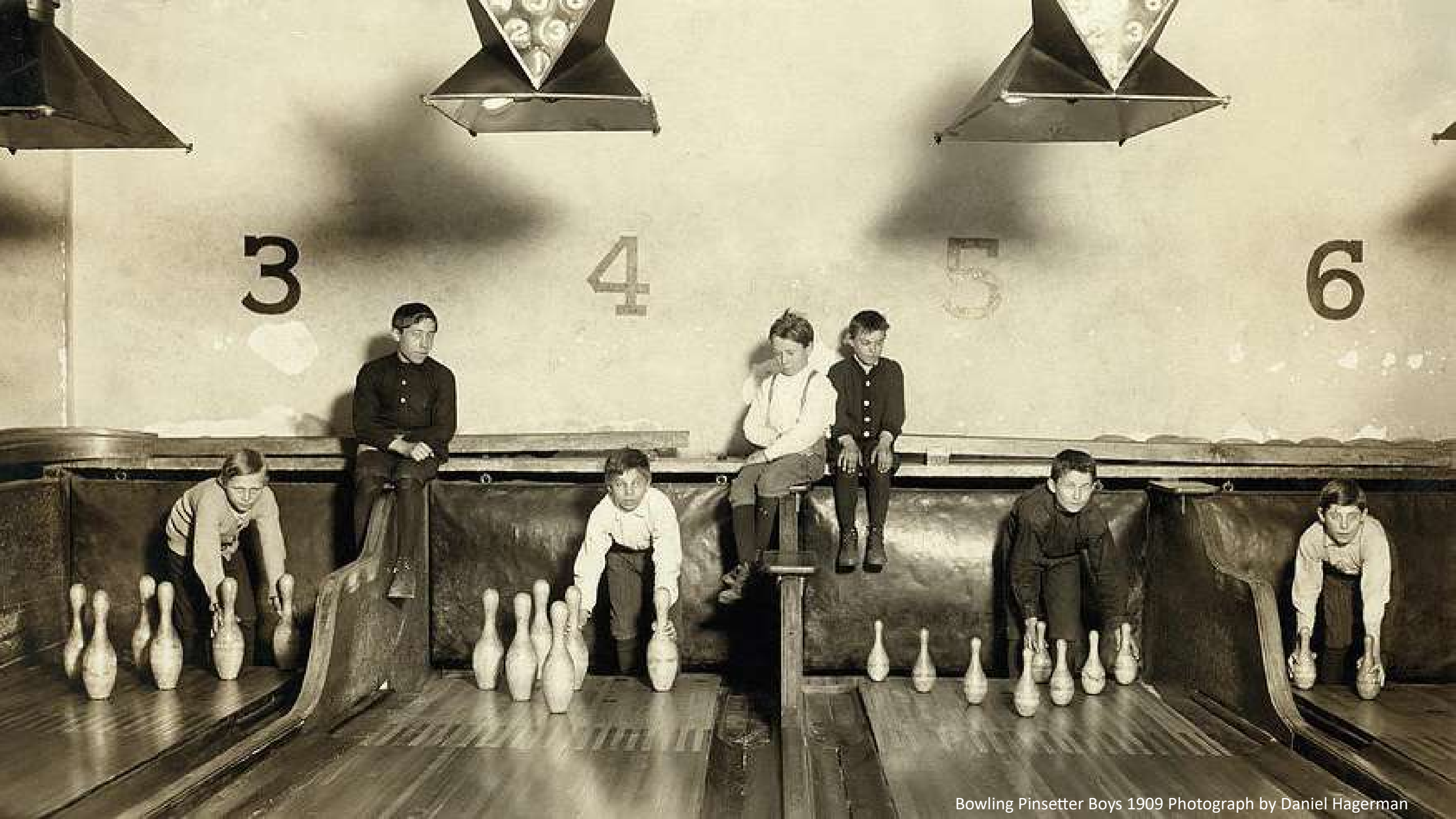
Elementary School Teachers have a

0.4%

chance of being automated.

How do we know this? Some aspects of a job are easier to automate than others. It all depends on the tasks. Look at the orange bars to see how Elementary School Teachers compare with other professions...





Bowling Pinsetter Boys 1909 Photograph by Daniel Hagerman





Individualių organų dizainerė(is)-augintoja(s)

Kosminių skrydžių pilotė(as)

Photo by [camilo jimenez](#) on [Unsplash](#)

NASA

Kosmoso gidė(as)

Genų
suderinamumo
ekspertė(as)

Photo by [Lanju Fotografie](#) on [Unsplash](#)

Photo by [Warren Umoh](#) on [Unsplash](#)

Asmeninių atsiminimų kuratorė(ius)



Photo by [Laura Fuhrman](#) on [Unsplash](#)



Vaikščiojimo ir bendravimo kompanjonė(as)

Photo by [Shaojie](#) on [Unsplash](#)



Photo by [Aleks Dorohovich](#) on [Unsplash](#)

Mokymosi patirčių dizainerė(is)



Išnykusių rūšių gavitojas(s)

McGill Library



Tai koks bus tas
ateities
švietimas?

1. Problemos tikrai neišnyks, todėl žmonės turės gebėti bendradarbiauti, kritiškai ir kūrybiškai mąstyti, spręsti kompleksines problemas
2. Vienintelis prognozuojamas dalykas apie ateitį bus tai, kad ji bus nuolat kintanti, todėl reikės gebėti mokytis nuolat

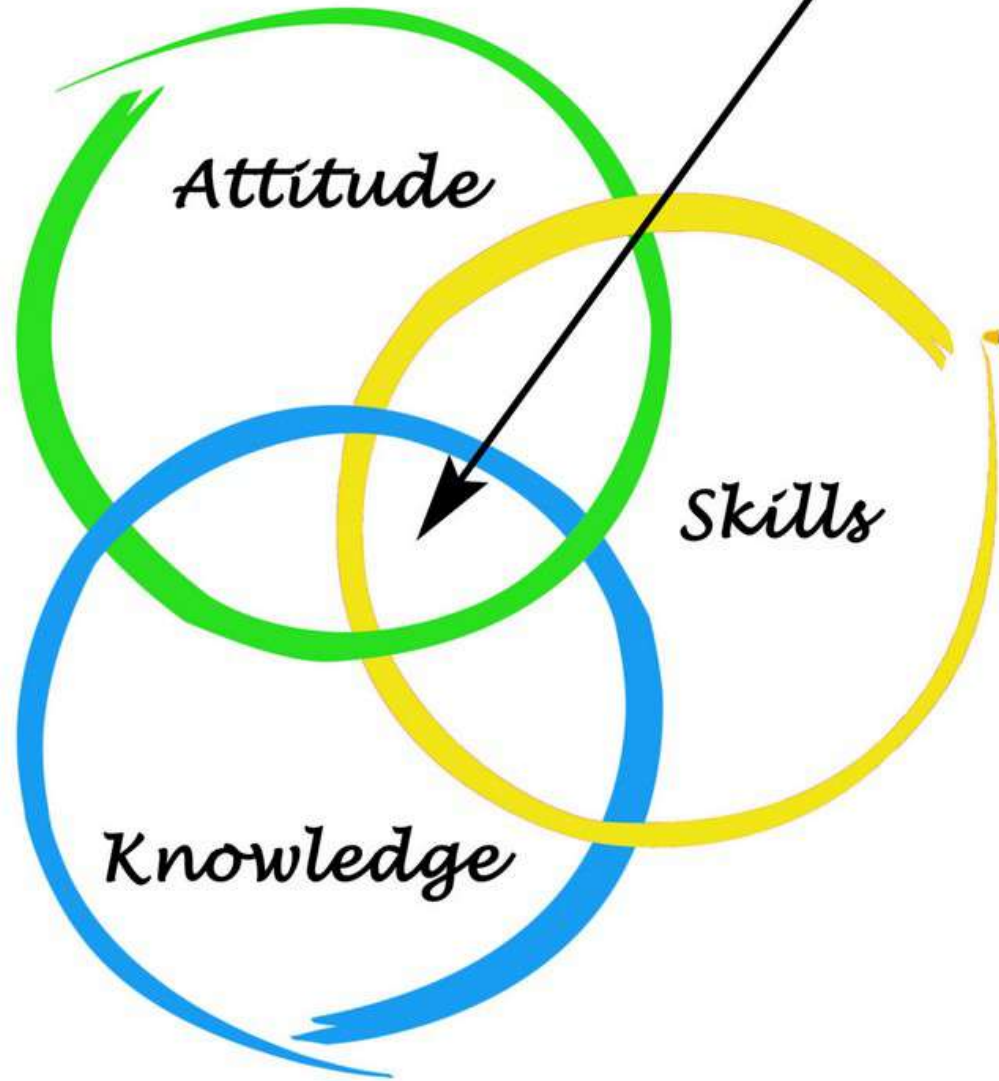




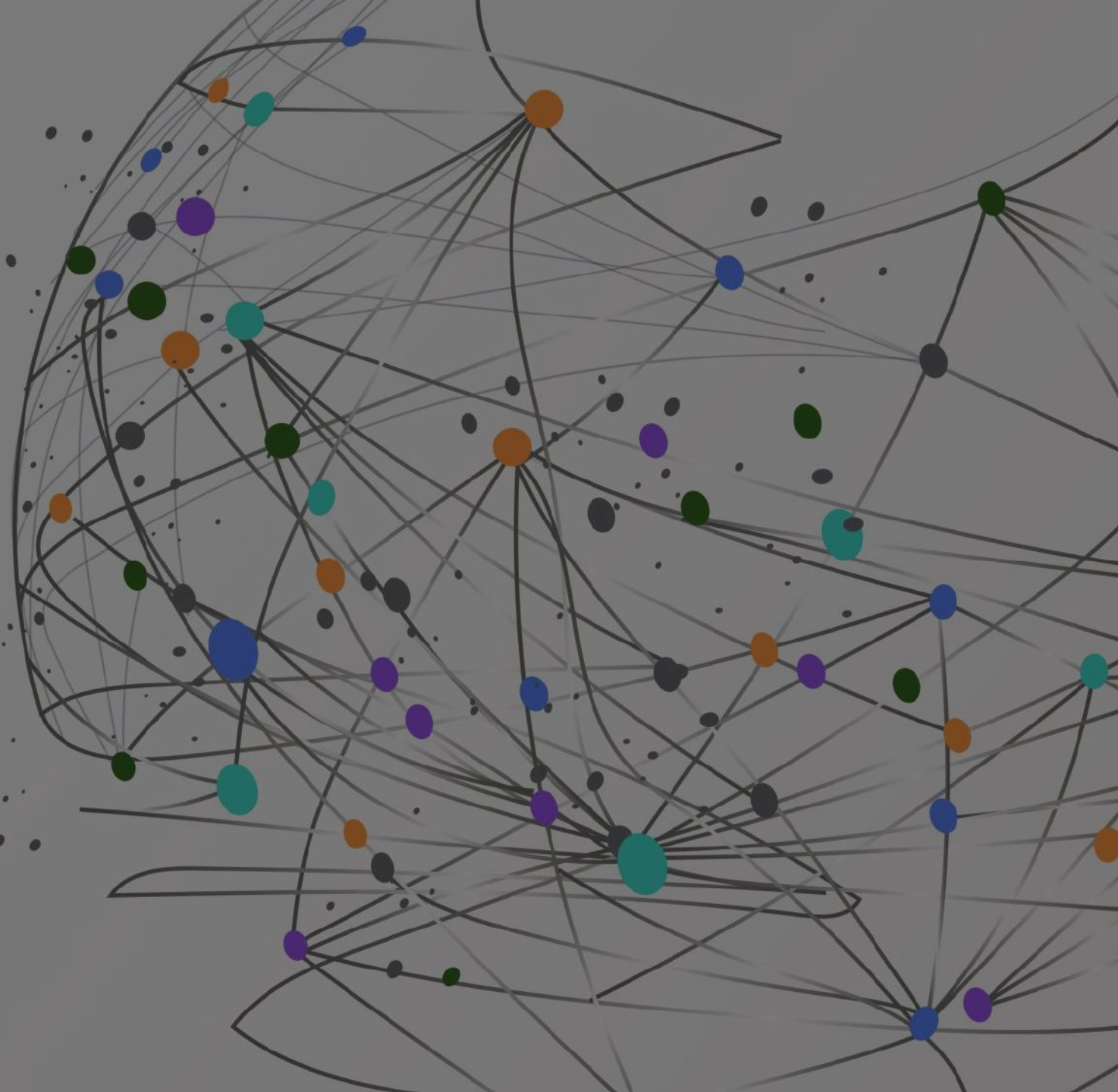
Ar kompetencijos yra
atsakymas?



Competence



Kokia Jūsų
rolė?



A grayscale close-up of a Buddha's face in a meditative state, with the text overlaid. The Buddha's eyes are closed, and the expression is serene. The lighting is soft, highlighting the contours of the face. The text is centered and reads:

Labai svarbu patikėti, kad
pokytis gali įvykti

A hand is shown holding a single puzzle piece that features a blue silhouette of a person in a suit. This piece is being placed into a larger grid of puzzle pieces, all of which have a grey silhouette of a person in a suit. The background is a light grey color with a subtle pattern of the puzzle pieces.

Bendradarbiavimo svarba



Photo by [Lukasz Szmigiel](#) on [Unsplash](#)



Photo by [Claris Ying](#) on [Unsplash](#)



Photo by [Maxim Hopman](#) on [Unsplash](#)



Photo by [Liza Rusalskaya](#) on [Unsplash](#)



Photo by [NeONBRAND](#) on [Unsplash](#)



Photo by [Thomas Park](#) on [Unsplash](#)

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