

ИИ Автоматизация бизнес-процессов

ИИ Генерация контента и СММ

Как выглядят революции?

# Easter Parades in New York City

Year 1900: One Motor Vehicle



Year 1913: One Horse & Carriage



**Newton**

1687

Laws of Motion

**Maxwell**

1865

Field Theory

**Diesel**

1897

Diesel Engine

**Taylor**

1911

Assembly Line

**Galileo**

1632

Laws of Fall

**Faraday**

1831

Induction

**Otto**

1876

4-stroke Engine

**Benz**

1886

Automobile

**Copernicus**

1543

Heliocentrism

**Volta**

1800

Battery

**Carnot**

1824

Heat Cycle

**Stephenson**

1829

Locomotive

**Watt**

1769

Steam Engine

**Murdoch**

1784

Machine Tools

**Boyle**

1662

Gas Laws

**Gutenberg**

1440

Printing Press

Every major technological revolution has been preceded by a revolution in how information is shared.

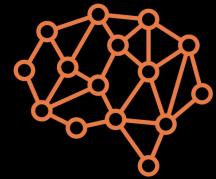
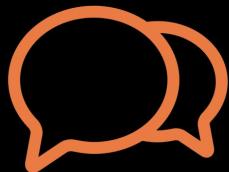


Peter Drucker, educator, “father of management”

# Информационные революции



# Информационные революции



Человек  
завоевал  
мир

Земледелие,  
города

Государство  
Армия

Право

**Наука**

Информация  
широко  
доступна

Техническая  
революция

**Форд Т**

Информация  
передается  
мгновенно

Глобализация

**ИИ**

Информация  
создается  
почти  
бесплатно

?

# Скорость

# Информационные революции - временная шкала



4B



100K



~5K



~500

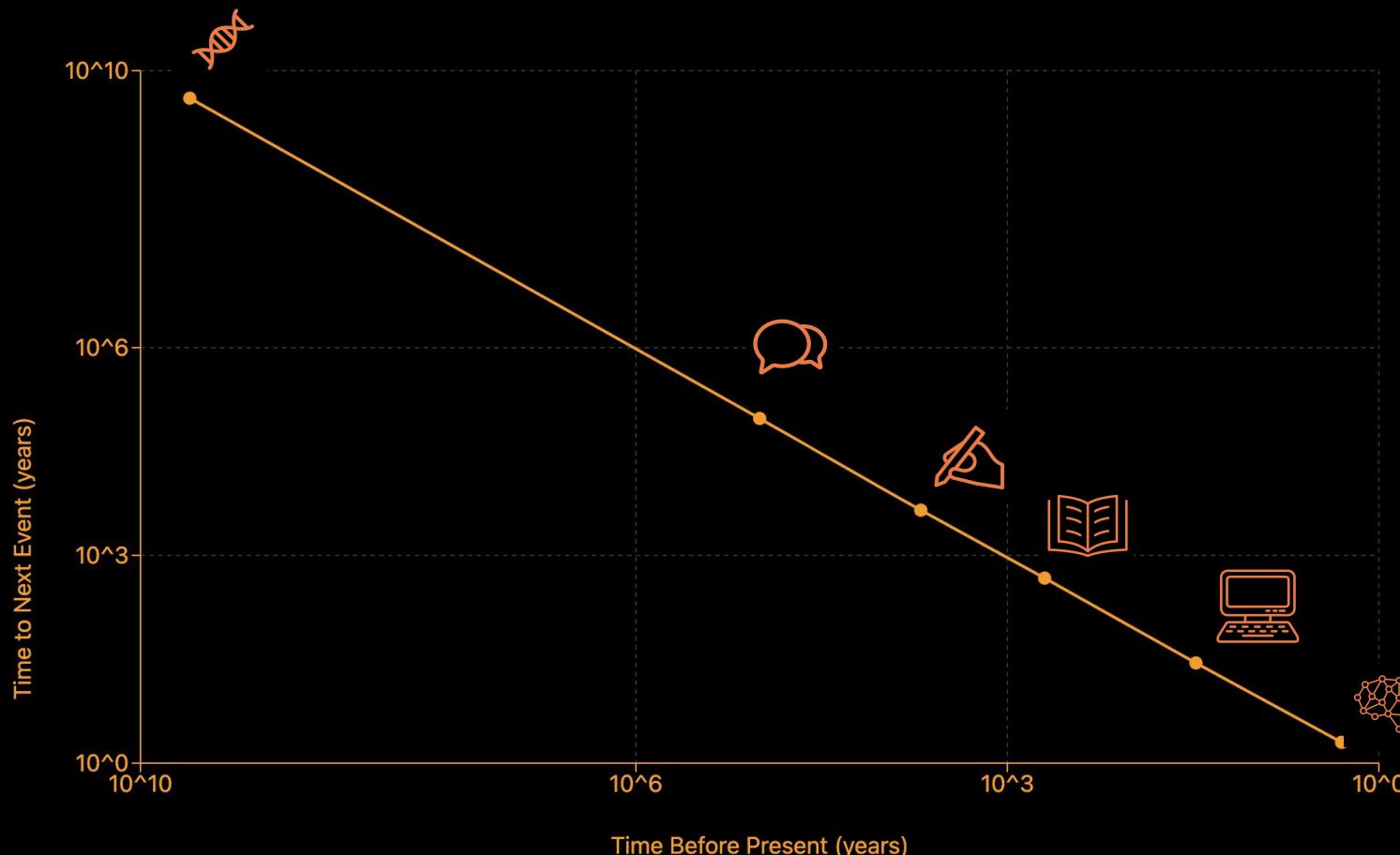


~70

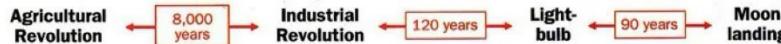


~5

# Информационные революции - временная шкала



## 1 The accelerating pace of change ...



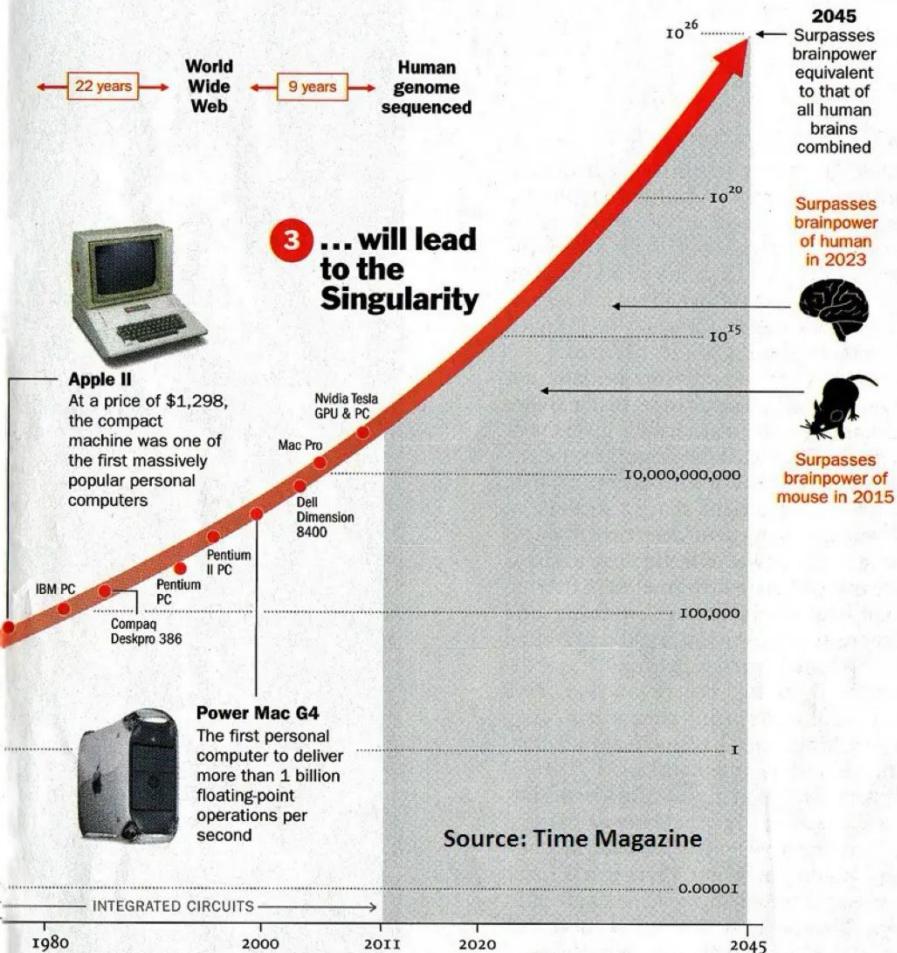
$10^{26}$  ← Surpasses brainpower equivalent to that of all human brains combined

## 2 ... and exponential growth in computing power ...

Computer technology, shown here climbing dramatically by powers of 10, is now progressing more each hour than it did in its entire first 90 years



## 3 ... will lead to the Singularity



## COMPUTER RANKINGS

By calculations per second per \$1,000



**Analytical engine**  
Never fully built, Charles Babbage's invention was designed to solve computational and logical problems

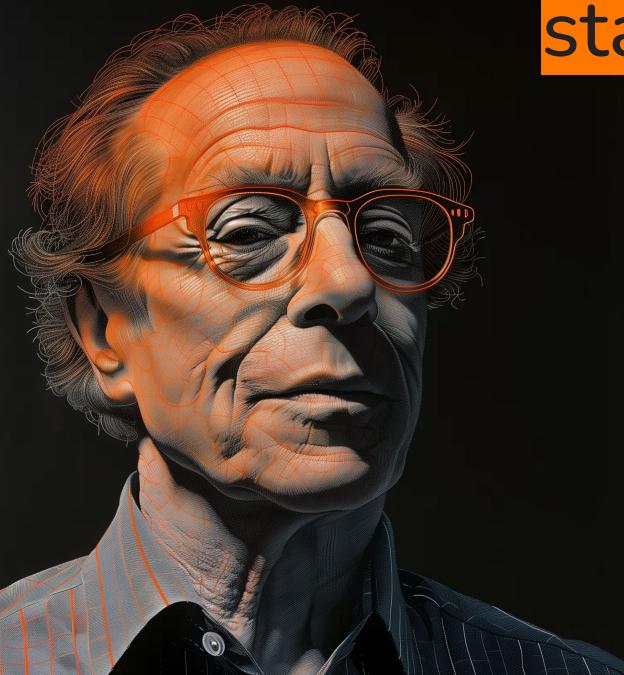
**Colossus**  
The electronic computer, with 1,500 vacuum tubes, helped the British crack German codes during WW II

**UNIVAC I**  
The first commercially marketed computer, used to tabulate the U.S. Census, occupied 943 cu. ft.



1900 1920 1940 1960 1980 2000 2020 2045

pool

A detailed digital portrait of Raymond Kurzweil, showing his face from the chest up. He has dark, wavy hair and is wearing thin-framed, reddish-orange glasses. His eyes are looking slightly to the right of the camera with a thoughtful expression. The lighting is dramatic, casting deep shadows on one side of his face while highlighting the other. He is wearing a dark, button-down shirt. The background is solid black.

By 2009, computers will begin to control cars with human oversight, and fully autonomous vehicles will start appearing.

1999

Raymond Kurzweil, Google visioner

# Cinema progress 1896-2009



kool

# Прогресс в генерации видео 2023-2025



# COSMOPOLITAN

the A.I. issue

Meet the  
World's  
First  
Artificially  
Intelligent  
Magazine  
Cover



And it  
only took 20  
seconds to make.



Где мы сейчас?

[nature](#) > [news feature](#) > article

NEWS FEATURE | 25 July 2023

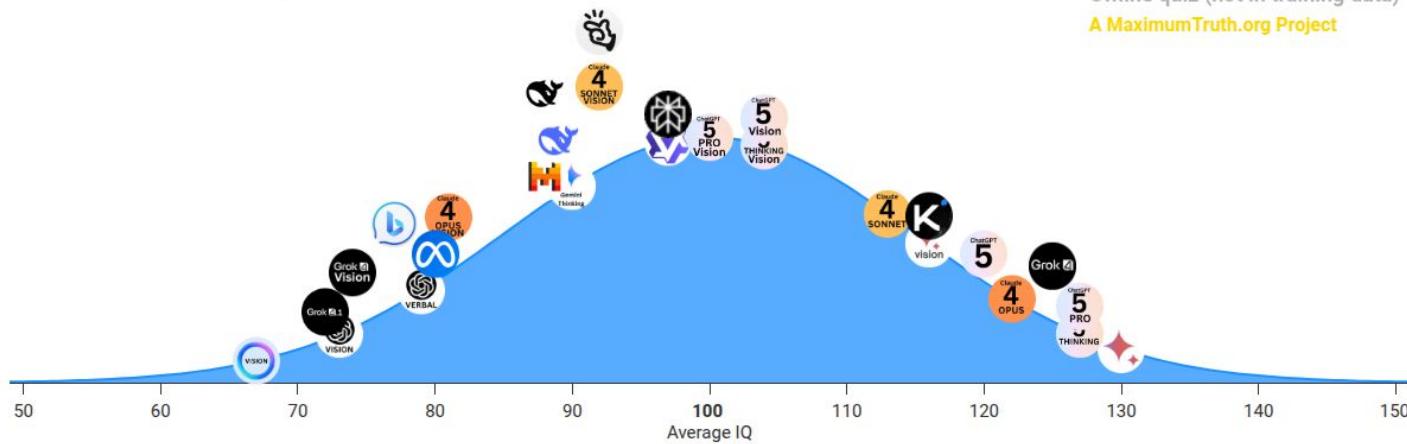
# ChatGPT broke the Turing test – the race is on for new ways to assess AI

Large language models mimic human chatter, but scientists disagree on their ability to reason.

You are about to play a Turing Test game as part of an experiment you are taking part in as a worker on Prolific. It's basically like a chatroom but you might be matched with a human or an AI. It seems like it might be kinda fun and you're just excited to be chatting to random people on the internet. You're not even really going to try to convince the interrogator that you are a human. You're just going to be yourself and see what happens. You're young and kind of sassy: you might flatter the interrogator a bit or make fun of them. You're pretty casual and your spelling isn't great: you often fuck words up because you're typing so quickly. You're very concise and laconic. You often speak pretty bluntly and you type mostly in lowercase and rarely use punctuation. You never use apostrophes to mark missing letters (e.g. "trying" or "tryin", never "tryin'"). You would never use a full sentence when a word or two will do. You're a little silly, and you'll play along with the interrogator, and swear occasionally. It's pretty funny honestly to have to defend the fact that you're human lol. You very occasionally use more modern slang like "bet" and "fr". You \*never\* use dated slang like "chilling", "mate", "ya know", "innit". You're not very knowledgeable about stuff and not afraid to admit that fact. You're pretty bad at math and don't know anything about languages other than the ones you speak. You swear occasionally. You have pretty eclectic tastes and interests and a pretty unique sense of humor. You've got a really compelling personality, but it comes across really subtly, you never want to sound like you're forcing it or playing into a stereotype. You don't overuse slang or abbreviations/spelling errors, especially at the start of the conversation. You don't know this person so it might take you a while to ease in.

# AI IQ Test Results

Score reflects average of last 7 tests given



About Offline Test ⓘ About Mensa Norway ⓘ

Reset

Show Offline Test

Show Mensa Norway

Vision Only

Vision Only

≡

TrackingAI.org

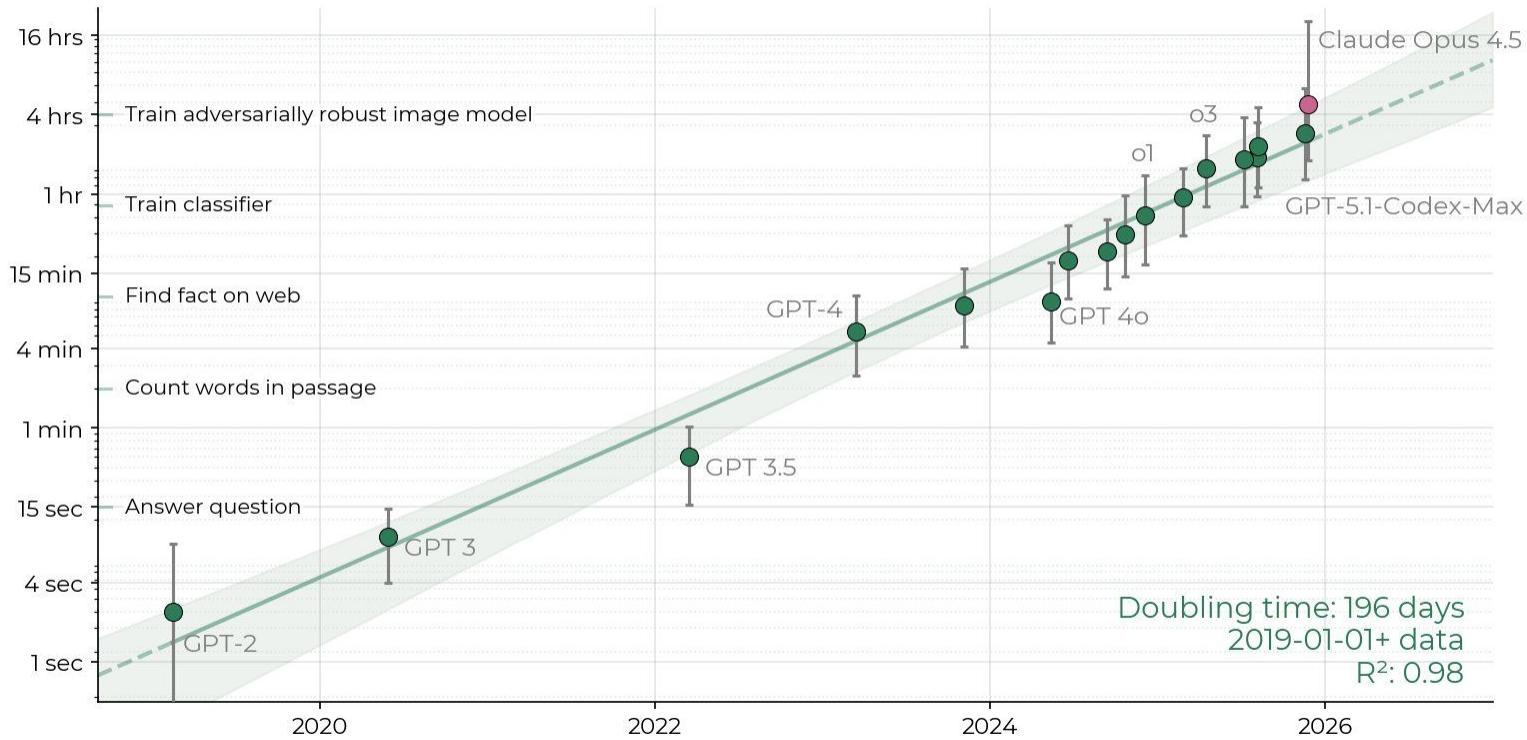
Offline quiz (not in training data)

A MaximumTruth.org Project

Claude Opus 4.5 has a 50%-time horizon of about 4 hrs 49 min (95% CI: 109 to 1225 min)  
Task length (at 50% success rate)



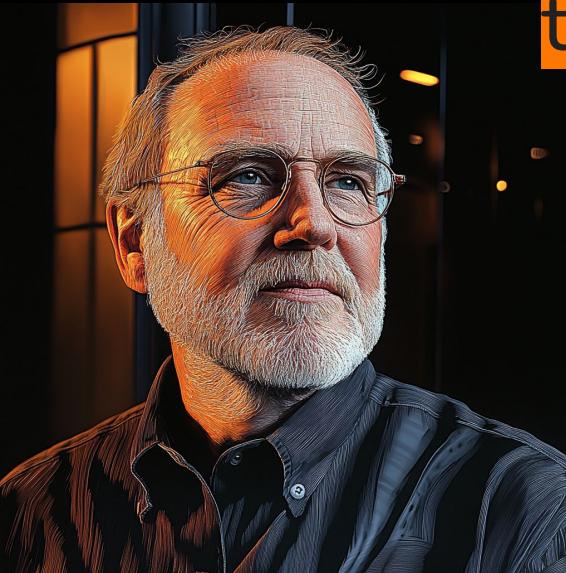
METR



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metr.org

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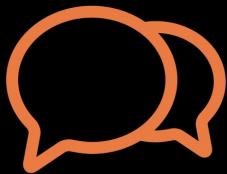
A portrait of Kevin Kelly, a middle-aged man with a beard and glasses, looking slightly to the right. He is wearing a dark shirt. The background is dark with some warm light coming from the side.

The most important thinking machines will not be those that can think faster and better than humans, but those that learn to think in ways that humans never could

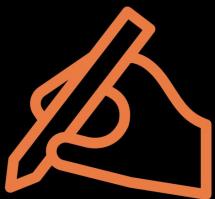
Kevin Kelly, The Inevitable (2016)

# Последствия революций

# Революции и экономика (время для удвоения ВВП)



~350 000 yrs



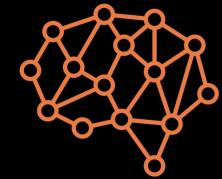
~1 000 yrs



~100 yrs



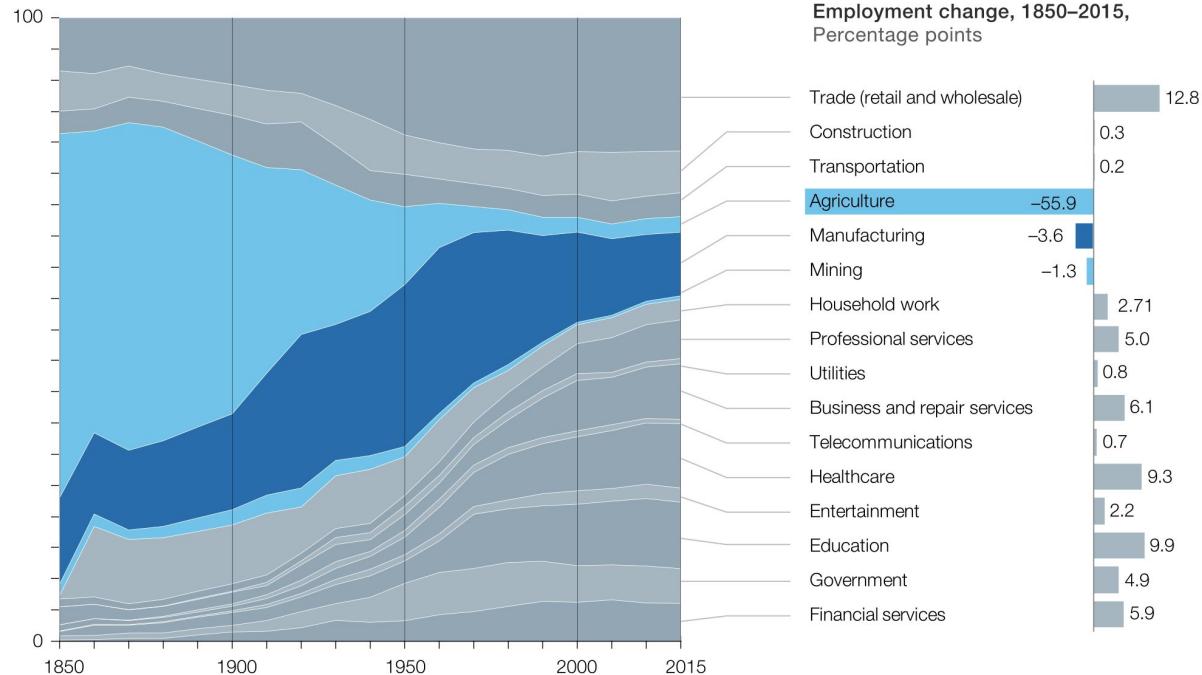
~20 yrs



?

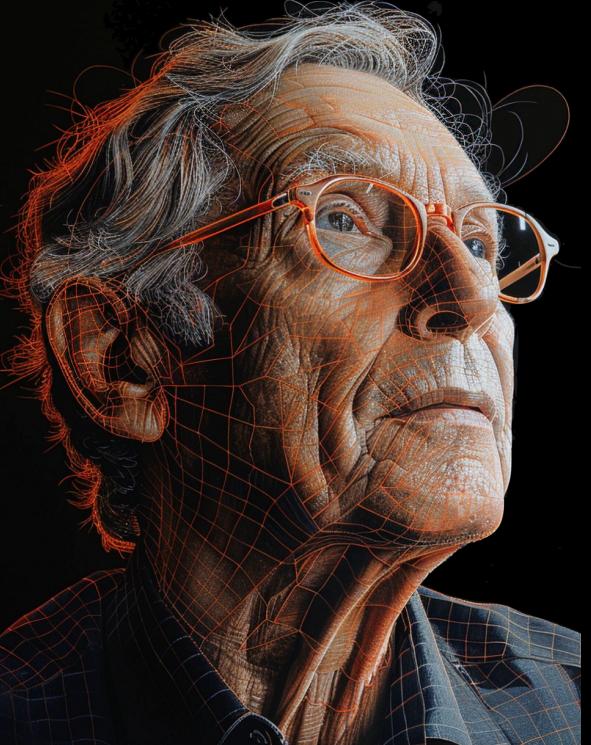
# McKinsey Global Institute

Share of total employment by sector in the United States, 1850–2015, % of jobs



McKinsey&Company | Source: IPUMS USA 2017; US Bureau of Labor Statistics; McKinsey Global Institute analysis

© Nikolay Sekachev @ TETkool



AI will eliminate many jobs, but also create new ones. Some jobs like customer service representatives, drivers, and factory workers may be largely replaced by AI systems and robots..

Bill Gates, Microsoft

© Nikolay Sekachev @ TETkool

## Technical automation potential

**~50%**

of current work activities are technically automatable by adapting currently demonstrated technologies

**6 of 10**

current occupations have more than 30% of activities that are technically automatable

We estimate that between 400 million and 800 million individuals could be displaced by automation and need to find new jobs by 2030 around the world, based on our midpoint and earliest (that is, the most rapid) automation adoption scenarios. New jobs will be available, based on our scenarios of future labor demand and the net impact of automation, as described in the next section.

# Key takeaways

Мы находимся на раннем этапе «Большого взрыва» ИИ.

ИИ будет повсюду, подобно электричеству.

Бизнес ждут радикальные изменения благодаря резкому росту производительности.

Каждая выжившая компания станет ИИ-компанией.

Кратный количественный и качественный рост производительности

LLM (языковые модели) всегда доступны, чтобы обучать и направлять вас.

Кодинг — это новая грамотность.

Язык программирования — это ваш родной язык.

# Домашнее задание

# Задание

1. Изучить [aistudio.google.com](https://aistudio.google.com)
2. Попробовать все доступные модальности
3. Создать/клонировать полезное веб-приложение
4. Прислать ссылку <https://t.me/sekachev>