

The AI Economy

Artificial intelligence (AI) could bring

\$13 trillion

to the global economy by 2030

— but implementing AI technology comes with unique challenges

Leading the Way



By 2030:

Around 70% of companies could utilize some kind of AI technology

+16%

Potential increased GDP of local economies, driven by AI expansion

How AI Affects the Economy



Modification of current occupations

Automation and possible job elimination

Innovation of products and services

Increased activity in global marketplace

Emerging Markets

U.S.

Europe

China

2011 - Present: **Google Brain** aims to bring "the benefits of AI to everyone"

2019: **Federal initiative** expands AI safety guidelines and resources

2018: **U.K. government** aims to lead the development of ethical AI tech

2018 - 2020: **European Union** hopes to invest \$22.3 billion* in AI research

* 20 billion Euro

2016 - 2020: Developing regulations for a "new generation" of AI

By 2030: **Aims to become the world leader in artificial intelligence**

Between 2019-2030, AI utilization will increase exponentially by as much as **3-5x**

Implementing AI Can Skyrocket Growth

+200%

-20%

Performance Gap: AI Adoption vs Falling Behind



It Pays To Use AI

By 2030,

Non-repetitive jobs with high digital skills **+10%**

Positions requiring fewer digital skills **-10%**

AI Adoption Brings Net Economic Benefit

Leading AI countries **+25%**

Developing countries **+5%**

+20%

+15%

Global Industries Need AI

AI solutions help save money and increase profits

\$10M

\$15M

\$20M

Demand forecasting

Route optimization

Predictive maintenance

AI fleet optimization can reduce

UP TO **10%**

UP TO **20%**

UP TO **30%**

Cost-to-serve

Deadhead routes

Manual operation time

AI in manufacturing can decrease

UP TO **8%**

UP TO **25%**

UP TO **30%**

Total cost of quality

Scrap and rework

Quality variability

BUT

The Majority Of Companies Are Behind

Choosing not to / can't invest in AI

Cautious about or haven't committed to utilizing AI

60% - 70%

20% - 30%

Only 1 in 10 are ahead and will reap the majority of profits and innovations

Industry Struggles In Countries Lacking Technology Infrastructure

Need for focus on meeting current status quo rather than innovation

AI might offer less economic advantage than for first-world countries



By 2030, **70% of companies worldwide may utilize at least one type of AI tech**

BUT **less than 50%** would be from widespread adoption

Limitations To Implementation

No way to teach machines

Lack of data

Difficulty analyzing results

Possibility of bias

"We are risking a new tech divide between those who have access to AI and those who do not . . ."

Every person and every country needs to have access to this new critical technology"

— Marc Benioff, co-CEO of Salesforce

AI And The Future Of Work

By 2030, **250-280 million new jobs** could be created globally

Positive Impact Of AI By Sector*

\$600

\$380

\$350

\$120

Retail

Healthcare

Public works

Agriculture

* In Billions USD

Changing State Of Work

Up to 375 million workers may need to change occupations AND virtually all workers may need to adapt to integrated human-AI work

30% of the activities in most occupations could be automated

"[AI technology] will help to adapt learning to the needs of each individual by translating language, aiding memory and providing us feedback on our own emotional and cognitive state"

— Micah Altman, Director of Research and Head Scientist at the MIT Program of Information Science

Who will succeed in the AI Economy?

Those willing to learn new skills

Opportunities For Innovation

37%

of workers believe the future after AI is full of exciting possibilities

A Chance To **Improve Society**

Work With Values

Prioritize Humans

Focus On Good

Emphasize diversity and inclusivity within tech systems

Improve systems to work towards bettering the human race

Ensure that serving humanity is always the primary focus

Digital networks should be well-regulated to avoid systemic bias

AI reorganizes systems with the goal of improving people/AI collaboration

Use intelligence to lever innovation towards global problems

Is Your Business Ready?

Follow These Steps To Integrate AI Into Your Business

Step 1: Think Big Picture

It can take up to 12 months to start seeing results — **Commit the time and budget needed** to see results

Pick the right problems to solve

Consolidate the relevant data

Build, test, and deploy AI

Step 2: Define Success

Address problems that take full advantage of the unique abilities of AI — And augment your current expertise

Clearly outline a meaningful problem

Decide how you will measure success

Determine if you have the necessary data

Step 3: Learn As You Go

Don't fall behind your competitors — The key to benefiting from AI is start building today

Start with a standalone problem

Build solutions into your current processes

Continue to build toward Enterprise AI