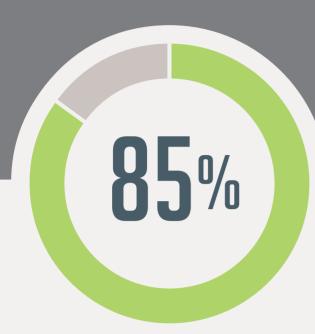
# = SHOULD YOU FEAR == MAGHINE LEARNING?



Advances in artificial intelligence (AI) have brought us to the point where systems are using a combination of algorithms, analysis, and experience to learn and program themselves without human intervention.



of customer interactions will be managed without humans by 2020



of jobs could be replaced by AI/machine learning by the 2030s

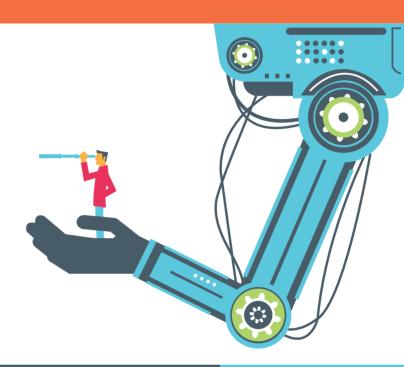


of top executives rely on machine learning to run their businesses

## MACHINE LEARNING VS AI

## WHAT'S THE DIFFERENCE?

While these terms are often used interchangeably, machine learning is actually a subset of what artificial intelligence can do.



### AI

- A broad concept where computers act intelligently on their own
- Where computers act according to their environment
- When systems display cognitive ability similar to humans
- Computers make decisions that maximize their success

### **MACHINE LEARNING**





- Computers observe & analyze and learn from experience
- ✓ Predict future events based on previous patterns
- Based on pre-programmed algorithms

## SOME REAL LIFE EXAMPLES OF MACHINE LEARNING

The use of machine learning has grown exponentially in the past few years, and you may not realize how widely it is used.

### **EMAIL SPAM FILTERING**

Since introducing machine learning technology, Gmail has successfully reduced spam by

## **MOBILE BANKING**

Banks use machine learning to analyze handwriting on **SMS** cheques deposited via smartphone apps



### FINANCIAL RISK ASSESSMENT

Financial institutions rely on machine learning algorithms to determine creditworthiness and prevent fraud



## **NETWORKS**

SOCIAL

Social network platforms like Facebook use machine learning to recognize faces and associate them with users



## WHAT INDUSTRIES ARE GOING TO BE MOST AFFECTED BY MACHINE LEARNING

will continue to disrupt industries both for better and for worse.

As the technology matures, machine learning

## **CUSTOMER SERVICE**

Machine learning is being widely used to power customer service chatbots, gradually replacing human agents



## **TRANSPORTATION**

Self-driving cars use machine learning algorithms to function, with 10 million of these vehicles expected to be on the road by 2020, altering the public transportation system

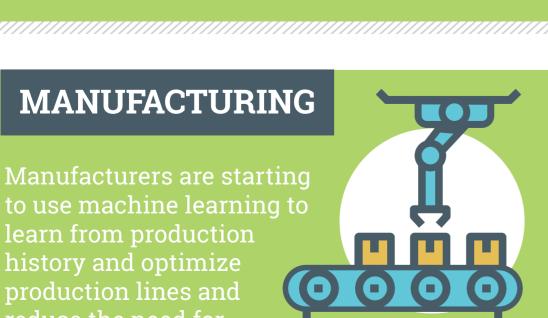


**MANUFACTURING** 

learn from production

history and optimize

production lines and

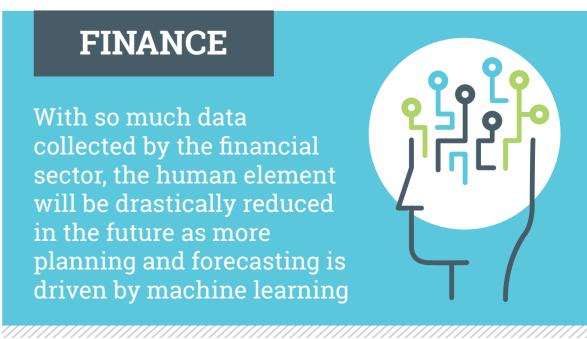


## With so much data

**FINANCE** 

collected by the financial

sector, the human element will be drastically reduced in the future as more planning and forecasting is driven by machine learning



### reduce the need for human analysts

jigtechnologies.com

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