

## 10 ways AI can make frontline jobs easier

Deloitte AI Institute



**HEALTH CARE**  
**Improving care coordination**

Help care coordinators at hospitals, health systems, and insurance companies by providing real-time, data-driven insights

# 1

Effectively streamline the accuracy of diagnostic and treatment processes



Incorporate large amounts of structured and unstructured medical data across institutions

**MANUFACTURING**  
**Increasing factory productivity**

Make assembly lines more efficient with the use of robots and other automated equipment

Help reduce downtime, improve quality control and lower costs



# 2

**Use predictive analytics** to inform workers of maintenance needs before parts of the line break down



**EDUCATION**  
**Providing more quality time for students**

Free up professors and educators so they can focus on teaching and spending quality time with students on more difficult questions

Give out assignments and answer basic questions via virtual teachers

# 3

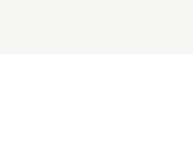
Help educators increase efficiency and time management



Reduce contact with employees, target customers and get customers out of stores more quickly with mobile AI apps

**RETAIL**  
**Making grocery stores safer and more profitable with AI**

Help grocery store workers analyze sales data to determine which items to promote, when and for how much

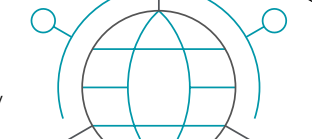


Help monitor sales to forecast supply and demand, and help maintain inventory levels, in some cases cueing suppliers directly

# 4



Scour multiple records evaluating the findings to help social workers identify risk factors

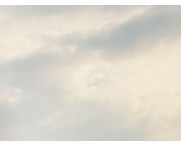


# 5

**GOVERNMENT**  
**Serving those in social programs**

Give social workers a leg up in identifying patterns and problems, predicting outcomes for vulnerable people and prioritizing heavy workloads

Automate and streamline administrative processes and paperwork



Help EMS workers by providing real-time medical information for emergency patient treatment

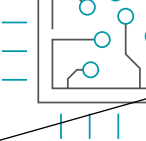
**EMERGENCY RESPONSE**  
**Saving precious minutes with AI**

Deliver information at great speed to support the efforts of fire fighters and Emergency Medical Service (EMS)

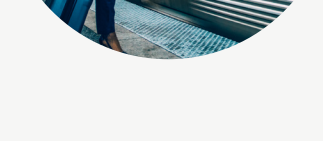


# 6

Help firefighters navigate traffic real-time



Use cameras and farecard usage data to optimize the frequency of public transit vehicles to help meet demand better



# 7

**TRANSPORTATION**  
**Managing public transit better**

Predict bus and subway maintenance needs to increase reliability and decrease downtime

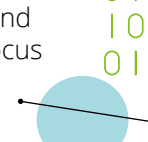


With autonomous trains, free up drivers who manage sophisticated controls to increase performance and reduce accidents

Monitor weather patterns, identify disease and pests and suggest harvest times using satellites, drones and infrared sensors

**AGRICULTURE**  
**Improving food supply with AI**

Use predictive data to better and more quickly understand how, when and where to focus crop-management efforts



# 8

Help balance food supply and demand, alleviate waste and predict maintenance issues in processing plants



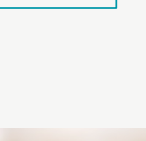
Help streamline processes like credit bureau disputes, saving only the more difficult cases for human review



# 9

**FINANCIAL SERVICES**  
**Reducing mundane tasks**

Support financial services workers by automating time consuming and mundane processes



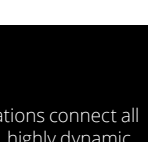
Help approve customers for everything from credit cards to life insurance, making the jobs of those who manage the effort easier

Route letters and packages to the right place via robot in the warehouse for placement on planes or trucks



**PACKAGE DELIVERY**  
**Increasing speed and efficiency**

Use visual scanning tools to read addresses and labels more quickly and accurately to speed the routing process and improve efficiency



# 10

Use GPS systems to inform of traffic tangles and suggest route strategies, saving time and fuel



### About the Deloitte AI Institute

The Deloitte AI Institute helps organizations connect all the different dimensions of the robust, highly dynamic and rapidly evolving AI ecosystem. The AI Institute leads conversations on applied AI innovation across industries, with cutting-edge insights, to promote human-machine collaboration in the "Age of Wit".

Deloitte AI Institute aims to promote the dialogue and development of artificial intelligence, stimulate innovation, and examine challenges to AI implementation

and ways to address them. The AI Institute collaborates with an ecosystem composed of academic research groups, start-ups, entrepreneurs, innovators, mature AI product leaders, and AI visionaries, to explore key areas of artificial intelligence including risks, policies, ethics, future of work and talent, and applied AI use cases. Combined with Deloitte's deep knowledge and experience in artificial intelligence applications, the Institute helps make sense of this complex ecosystem, and as a result, deliver impactful perspectives to help organizations succeed by making informed AI decisions.

No matter what stage of the AI journey you're in, whether you're a board member or a CSuite leader driving strategy for your organization, or a hands-on data scientist, bringing an AI strategy to life, the Deloitte AI Institute can help you learn more about how enterprises across the world are leveraging AI for a competitive advantage. Visit us at the Deloitte AI Institute for a full body of our work, subscribe to our podcasts and newsletter, and join us at our meet ups and live events. Let's explore the future of AI together.

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