

Automation In its Prime

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Purpose of Study

To examine how automation is taking the world by storm with robots and artificial intelligence.

Introduction

Automation is the process of using robots or machinery to complete a job that humans could do on their own. Automation can help us make more products by decreasing the amount of work done by humans, and allowing humans to use their time doing other useful things. It is an example of how robots can help society.

Public Perception

Some people are afraid that robots will take their jobs because now people are making robots to decrease physical labor. The general public perception of automation is that people want less robots so people can work and still make money to pay bills and taxes. Other people say that increased automation will make a better society.

Discoveries and Innovations

According to CBS News, "In the U.S, there are 180,000 taxi drivers, 600,000 uber drivers and 3.5 million truck drivers." Robots are starting to replace human labor. Driverless cars threaten to force millions of people into unemployment. In retail, self checkout machines make shopping quick and easy for customers, while saving companies millions of dollars. Driverless cars and trucks are the beginning of the wave of automation that will threaten millions of jobs.

Applications

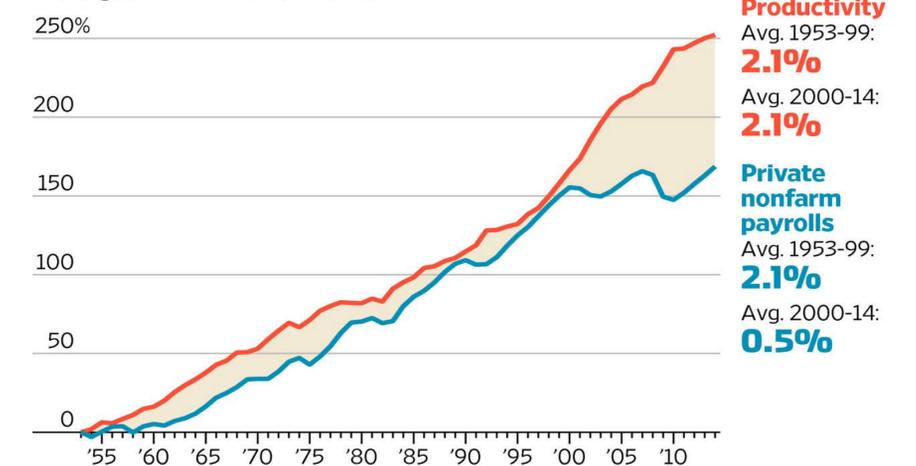
Automation reduces the mechanical work that pharmacists have to do so they can give their attention to the patient. With robots, hospitals will be more successful with their patients. Surgical robots become increasingly more precise each day. Man-size robots can lift and move patients and transport them throughout the hospital. It reduces human error - such as an example of human error is contamination.

Automation includes robotic devices, robots that look like a human, and algorithms.

Data

More Work, Less Labor

In the post-war economy, U.S. productivity and jobs grew roughly in tandem until 2000. Economists account for the change because of globalization and new automation, which allows the economy to produce more goods with fewer workers.



Note: 2014 productivity for first three quarters
Source: Labor Department

THE WALL STREET JOURNAL.

Figure 1. How Automation Helps Society.

Conclusion

Automation has the potential to help boost the United States economy, but it can also drive unemployment rates up and disproportionately affect minority populations.

References

- www.medicalfuturist.com
- www.cbsnews.com
- www.youtube.com