HOW WILL ARTIFICIAL INTELLIGENCE IMPACT YOUR LIFE?

DISCUSSION GUIDE FOR AMERICAN SPACES

This discussion guide is designed for programming at American Spaces. American Spaces should work with their Public Affairs Section to ensure that this topic and video are appropriate for American Spaces audiences.

Photo from video by TedX Talks

VIDEO INFORMATION

Video Title: *How Will Artificial Intelligence Affect Your Life?*

Year Release: 2017

Duration: 16 min

English Level: Intermediate-Advanced

Speaker: Jeff Dean - Google Senior Fellow at Google

Themes: Technology, Development

Link to Video

VIDEO CONTEXT

Jeff Dean is a Google Senior Fellow. In his own words he "spends his time working on problems that are the most important." He leads Google Brain and Google's Artificial Intelligence division with the purpose of improving human life and making the world more efficient. The implications of artificial intelligence will likely affect many aspects of our lives, from healthcare to transportation to everyday voice assistance. Over the last 20 years, Forbes reported that Artificial Intelligence companies and their products have exploded. This video explains how deep learning works and why AI investment could reshape our future.

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Deep Learning - Teaching artificial intelligence (AI) to recognize patterns and examples. The AI processes sound, speech, and images to learn about its environment, enabling it to function in self-driving cars and "smart" technology.
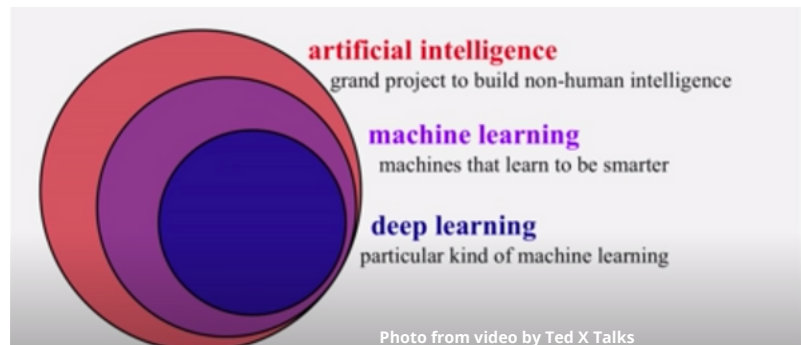
Neural Networks - The name for the technology that processes deep learning of AI.

Machine Learning - A branch of AI focusing on teaching computers how to teach themselves.

Artificial Intelligence (AI) - A name for machines who can complete tasks required by a human without human intervention, and the name of the branch of science that studies them.

TIPS ON VIRTUAL PROGRAMMING

- This video is shareable on social media, and Facebook's watch party feature can be used to stream this video.
- Consider inviting a local expert or U.S. official to facilitate discussion during and after the webinar.
- Preview the video beforehand to determine which parts you will show.
- For more tips go **here**.

artificial intelligence
grand project to build non-human intelligence

machine learning
machines that learn to be smarter

deep learning
particular kind of machine learning

Photo from video by Ted X Talks

Discussion Questions

1. What jobs could be completed with artificial intelligence (AI) in the future? Which jobs do you think would be difficult to replace with a machine?
2. How do machines "deep learn" and what are the layers involved in completing deep learning?
3. Why would serving tea be more difficult than performing an ophthamalogical screening for AI? What does this say about the complexity of programming compared to the complexity of a task?
4. Economically, will everyone benefit equally from the advance of AI? How can societies prevent/mitigate any inequality associated with job loss to artificial intelligence?

Additional Resources

- **AI is for Everyone** - This free Coursera course gives an overview of artificial intelligence
- **In the Age of AI** -This PBS Frontline documentary investigates the promise and perils of AI technologies
- **Tracking COVID-19 with Artificial Intelligence** - This article shares how start-ups are combatting COVID-19 using AI.

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