

# Data Collection & Analysis of Emerging Artificial Intelligence & Machine Learning Techniques and Technologies

## Extended Resources

1. This article gives examples of image recognition software, then goes on to explain how this software learns can be exploited and poisoned. It talks about how the data can be mutated to allow people access to systems or to control systems.

<https://bdtechtalks.com/2020/10/07/machine-learning-data-poisoning/>

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2. The article describes a scenario in which an image recognition software needs to be able to work accurately with a very small amount of data. It then continues to explain how few-shot learning can work and be implemented.

<https://www.borealisai.com/en/blog/tutorial-2-few-shot-learning-and-meta-learning-i/>

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3. In the video Simon Stumpf explains Microsoft's idea on an application that will allow the visually impaired to find their personal items through AI. She explains that the AI would need to be able to operate accurately on very little data.

[https://www.youtube.com/watch?v=XewCmUrqIM8&feature=emb\\_title&ab\\_channel=Microsoft](https://www.youtube.com/watch?v=XewCmUrqIM8&feature=emb_title&ab_channel=Microsoft)

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4. In this Forbes article by Bernard Marr, the coronavirus relief is looked at through the lens of AI and how it assists. It goes over the new technology being developed to help with the current scenario and into the technology that has been assisting.

<https://www.forbes.com/sites/bernardmarr/2020/03/13/coronavirus-how-artificialintelligence-data-science-and-technology-is-used-to-fight-the-pandemic/#7ea1df485f5f>

5. The video has Gary Sims explain the main differences between AI and ML; both in technical terms and how they are misused in advertisements.

<https://youtu.be/whlODvf-SVk>

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6. This blog post by Sushmita Kalashikar describes the benefits of decentralized systems.

<https://medium.com/@sushmita.kalashikar/the-radical-transformation-from-centralizedto-distributed-network-systems-93d3a3c008d6>

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7. This blog post by SM details the features of six different cloud service providers.

<https://medium.com/@smuli/6-best-cloud-computing-service-providers-96f0b95cd7bc>

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8. The about page for the Open Neural Network Exchange (ONNX)  
<https://onnx.ai/about.html>
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10. This blog post by Vimarsh Karbhari explains the Chinese room argument and why it is relevant today.

<https://medium.com/acing-ai/what-is-the-chinese-room-argument-in-artificialintelligence-d914abd02601>