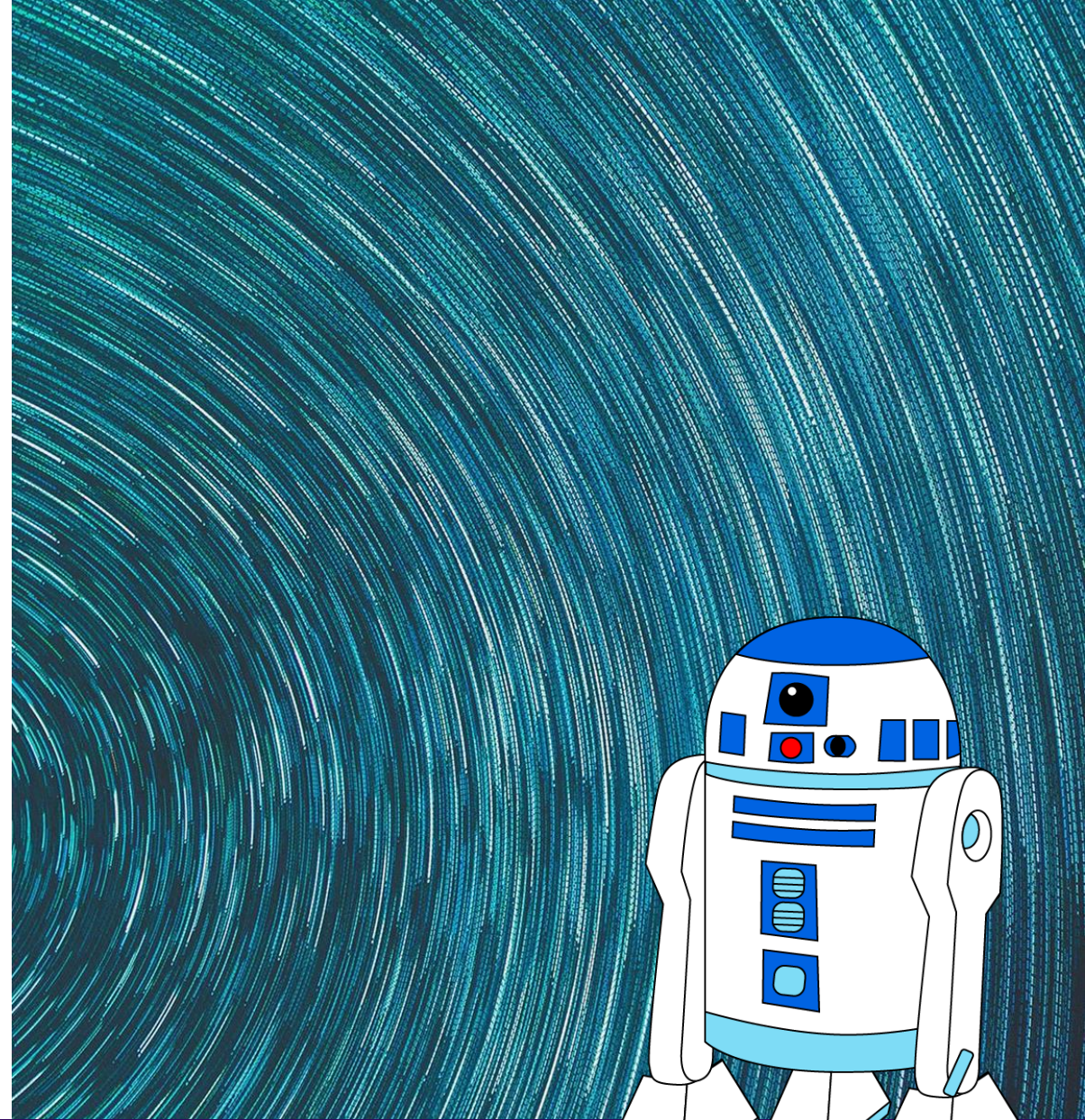


CIS 421/521:  
ARTIFICIAL INTELLIGENCE

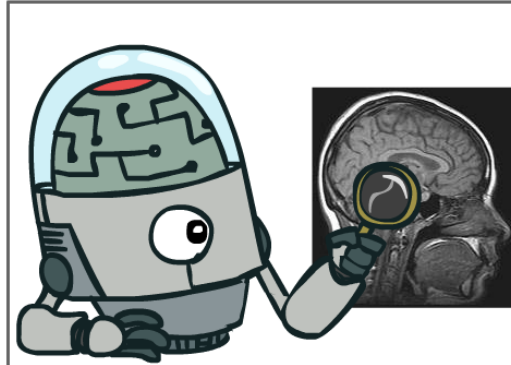
# Artificial Intelligence in Science Fiction



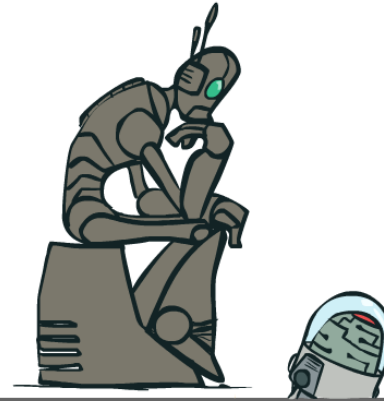
# What is AI?

The science of making machines that:

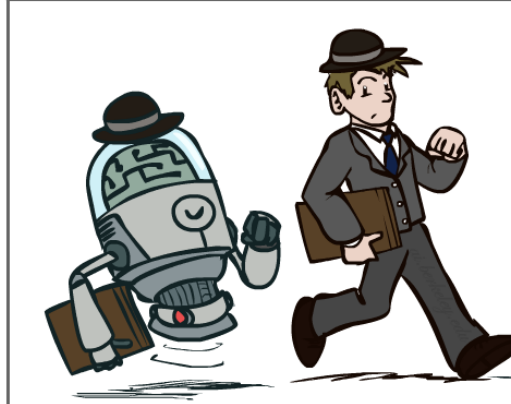
Think like people



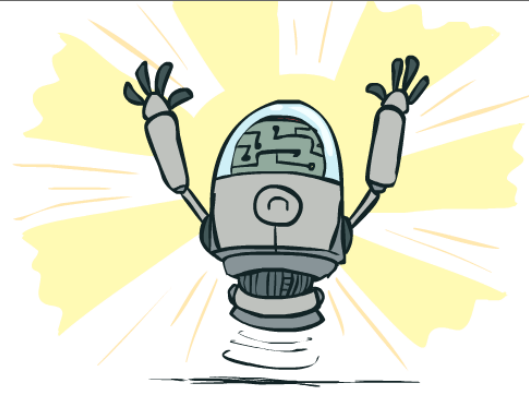
Think rationally



Act like people



Act rationally



Slide from Dan Klein and Pieter Abbeel of UC Berkeley

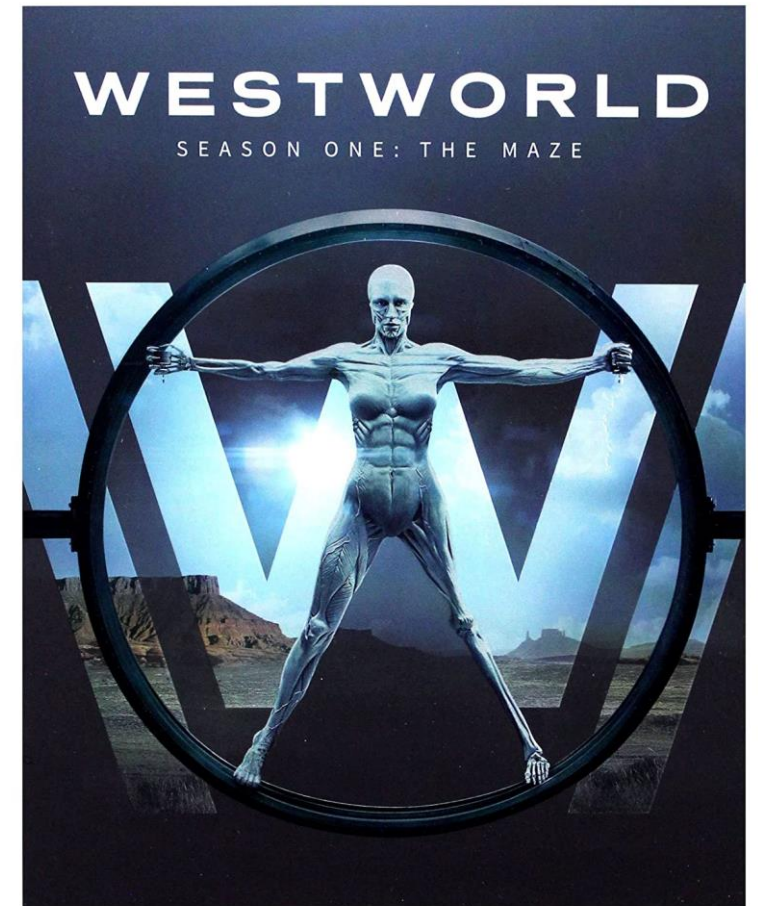


# AI in SciFi - Acting Human





# AI in SciFi - Acting Human





# AI in SciFi - Acting Human





# AI in SciFi - Acting Human



# Blade Runner - Voight-Kampff Test



<https://www.youtube.com/watch?v=Umc9ezAyJv0>



# Descartes

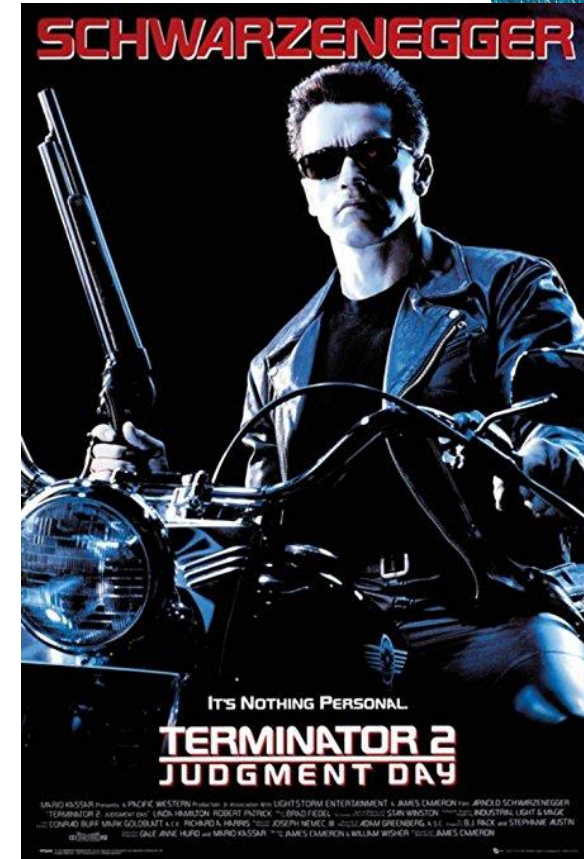


# Deckard



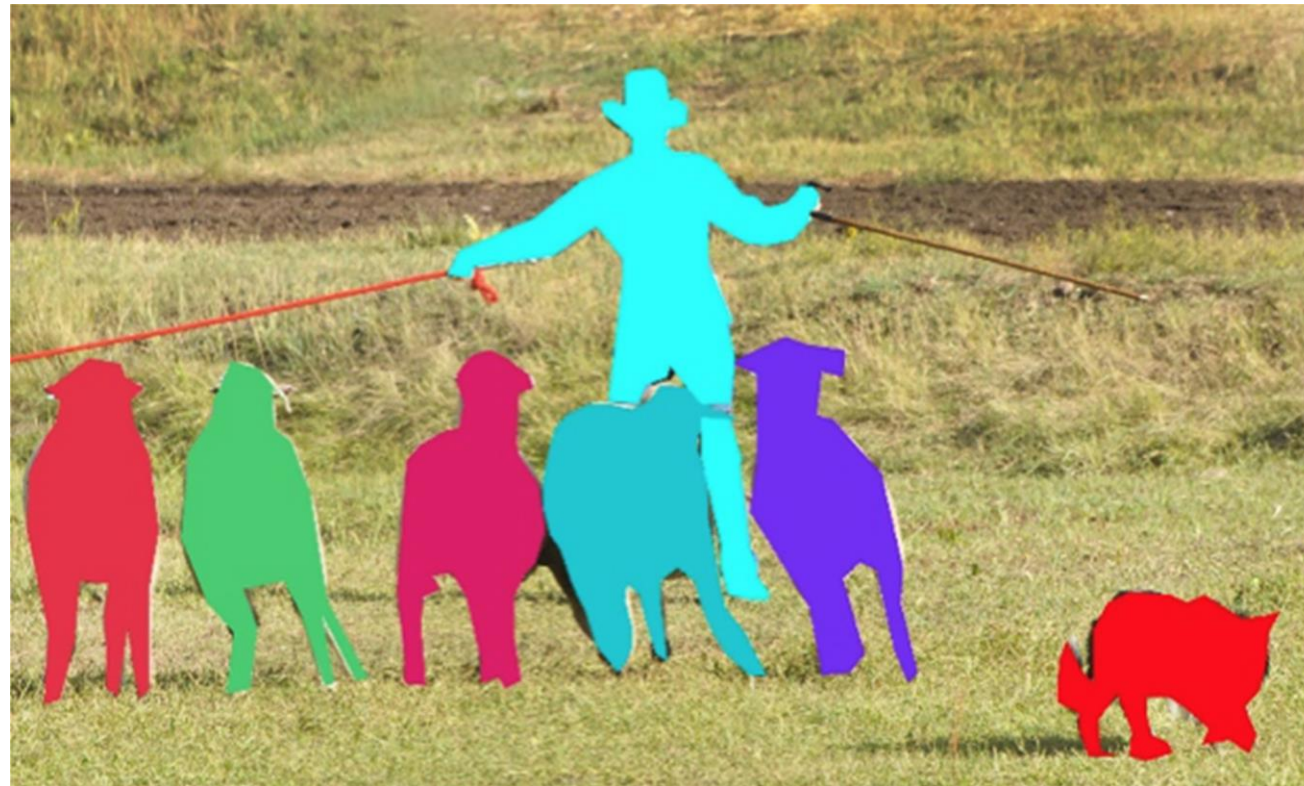


# Science Fiction and Science Fact

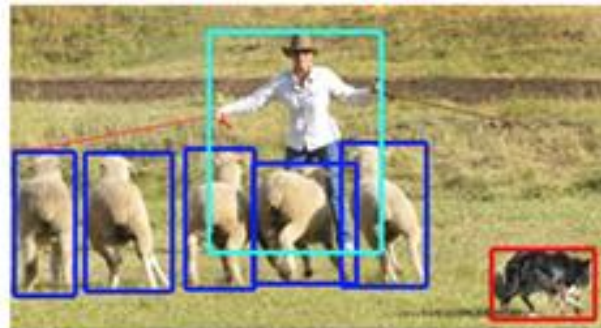


<https://www.youtube.com/watch?v=JknRYYrV5Vk>

# Science Fiction and Science Fact



(a) classification



(b) detection



(c) segmentation



# Science Fiction and Science Fact

## Medium



Kenny Yin

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# Science Fiction and Science Fact





# Science Fiction and Science Fact



# Science Fiction and Science Fact





# Science Fiction and Science Fact



# Science Fiction and Science Fact



<https://www.youtube.com/watch?v=s93KC4AGKnY>









K

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THINK

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**\$1,400**

Ken

**\$4,000**

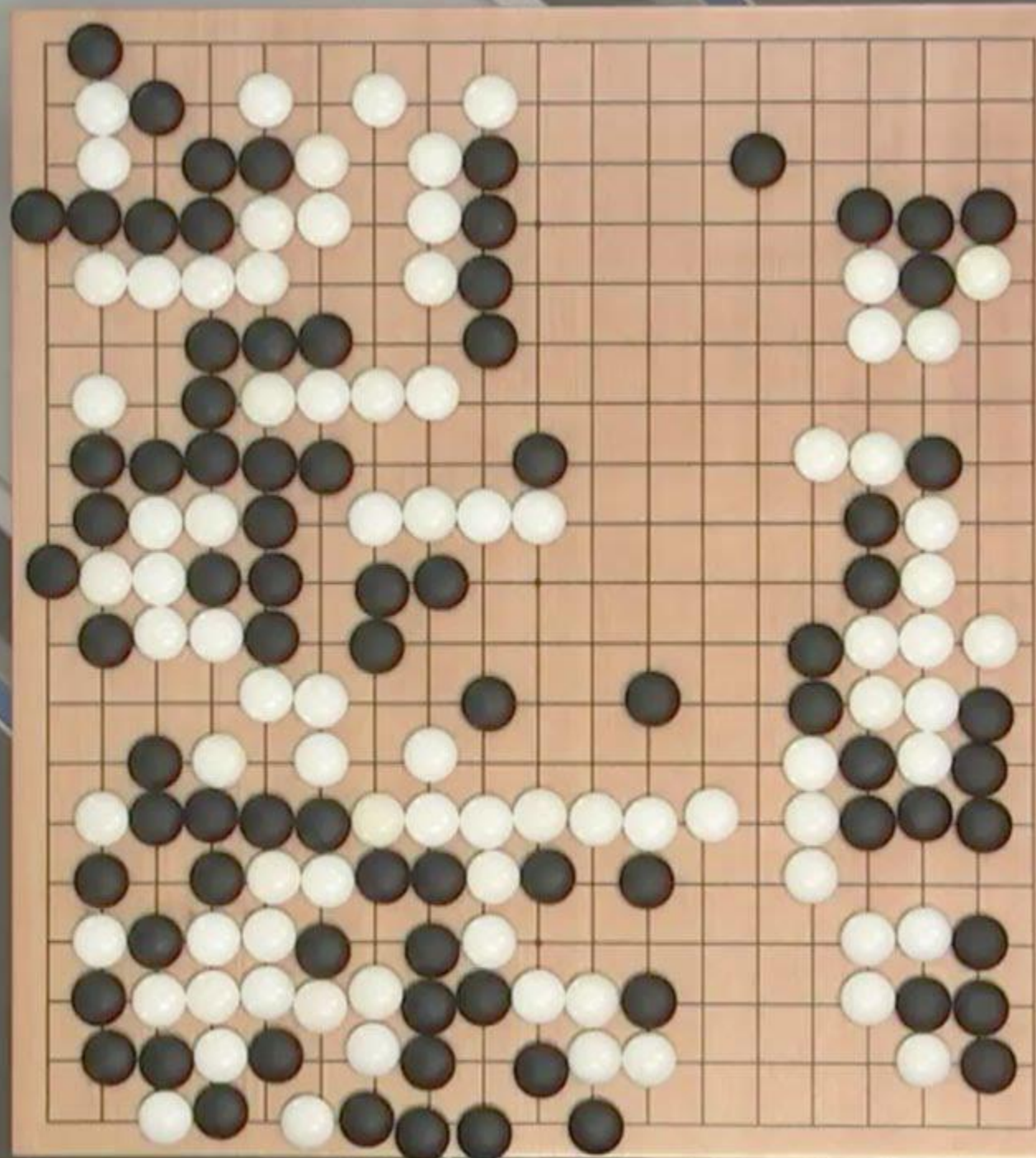
TAT



● ALPHAGO



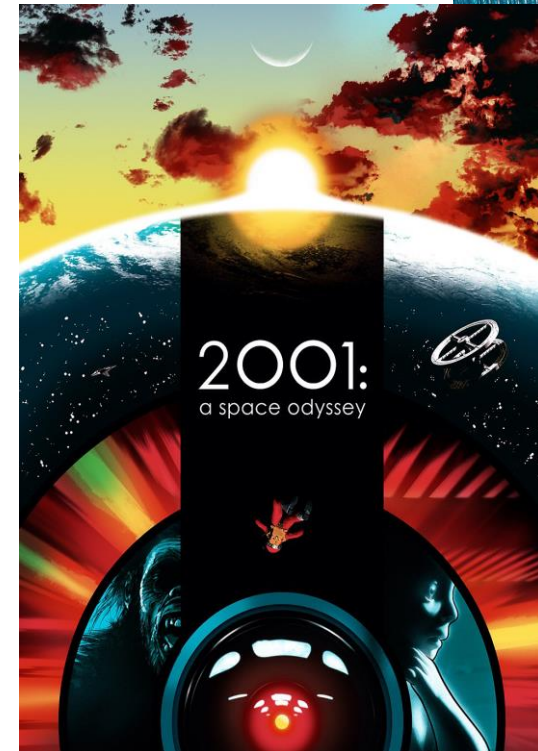
AlphaGo  
Google DeepMind



● LEE SEDOL



# Science Fiction and Science Fact



<https://www.youtube.com/watch?v=Lk8qgMFqaY8>

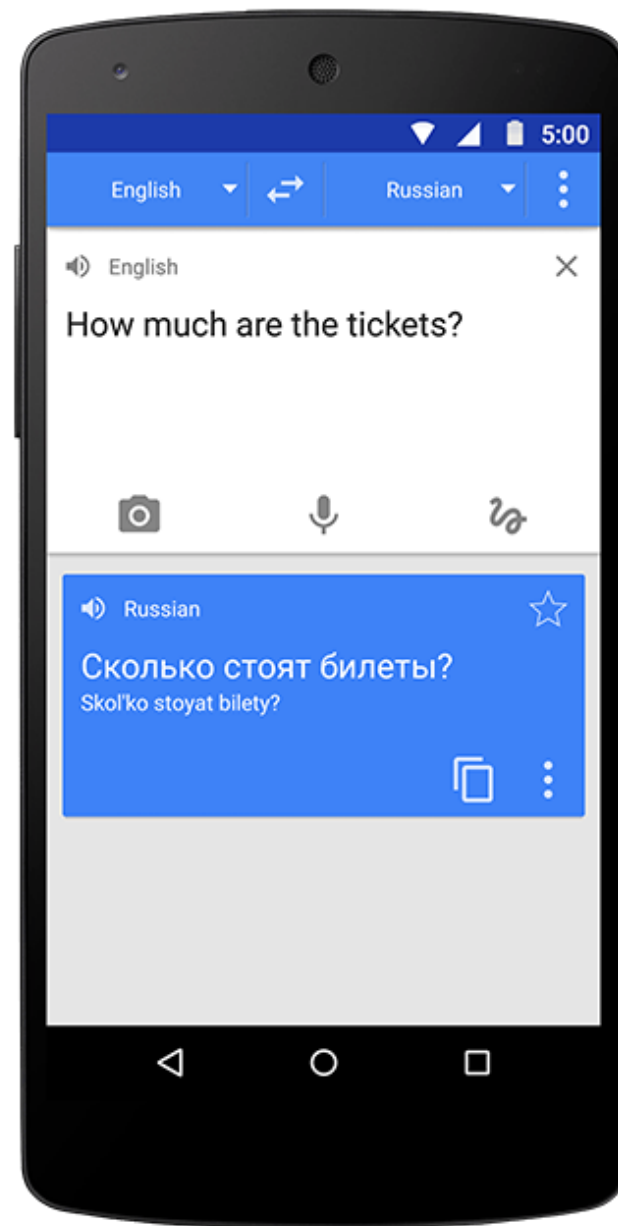






















DARPA

# Science Fiction and Science Fact



DARPA  
Grand Challenge 2005





# Science Fiction and Science Fact



DARPA Urban Challenge 2007





# Science Fiction and Science Fact



DARPA Robotics Challenge 2015

<https://www.youtube.com/watch?v=g0TaYhjpOf>  
[o](#)



# Science Fiction and Science Fact



Meet Atlas, the latest humanoid robot from  
Alphabet Inc.'s Boston Dynamics.

WSJ  
Boston Dynamics

Boston Dynamics Atlas 2016

<https://www.youtube.com/watch?v=M91ISnATDQY>

