

Michael Lopez

Dr. George Saban

SE419 | Big Data

Bonus Midterm Machine Learning

### **In The Age Of A.I.**

After watching the PBS documentary "In the Age of AI," several important insights can be drawn. Firstly, China's Sputnik moment refers to a key event where China's State Council announced its "New Generation Artificial Intelligence Development Plan" in 2017. This document laid out a roadmap for China to become the world leader in AI by 2030 and to invest \$150 billion in the development of AI. This moment was significant because it signaled China's intention to compete with the United States in the field of AI and to challenge the USA's dominance in this area.

One interesting connection to the realm of video gaming in the documentary was the use of AI in the competition of Go, a complicated game rooted in culture. The AI developed for this game by DeepMind was able to beat one of South Korea's best Go players, which was a significant achievement in the field of AI. Additionally, the documentary showcased the use of AI in gaming to create more realistic and immersive experiences for players.

To lead the world in the machine learning revolution, the US should invest heavily in research and development of AI technologies, provide funding for startups in this area, and increase funding for AI education programs. Additionally, the US should work to attract and retain top talent in the field of AI from around the world.

There are several intrinsic reasons why China will lead the world in AI. One of the primary reasons is that China has a large population and a huge pool of data to draw upon, which is essential for developing and training AI algorithms. Additionally, the Chinese government has made a strong commitment to investing in AI research and development, which has given Chinese companies an advantage in this area. Finally, China has a strong culture of

innovation and entrepreneurship, which has enabled Chinese companies to quickly develop and bring AI technologies to market.

For me, I am already a part of history but at a much smaller scale. I have decided to take on the journey of education of software engineering and one day may be able to apply myself in the field as something as complex as artificial intelligence. The further we go, the further we grow and learn to contribute more within the field, such as communicating, brainstorming and critical thinking.