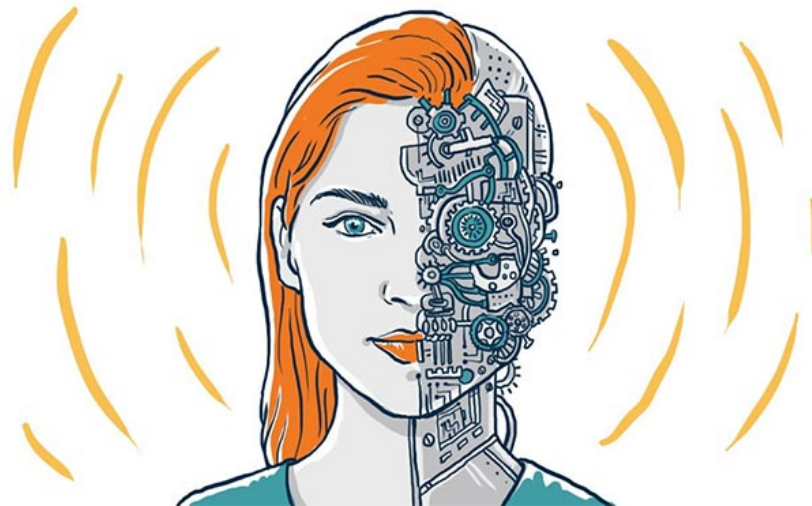


AI is becoming a secret weapon of esports

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Machine learning - an area of artificial intelligence (AI) - is gradually changing the mode of operation as well as the future of the global esports market, the smokeless industry is expected to reach a price. worth \$ 1.8 billion in 2022. Computer scientists have made great strides during the last decade in significantly improving the way AI learns human language, big data and both thinking strategies. Along with that, AI in gaming is one of the aspects that possesses the most rapid development speed, including numerous important changes in bot performance, conversation assistant, game design, as well as how to explore new approaches to theory and strategy in each specific game. Let's see how AI is becoming an e-sports (esports) secret weapon right after.



1. How did AI affect daily life?

AI and esports world

1. Optimizing performance in esports
2. Plan your victories
3. Interrupting game business model segments
4. Mobile and social platforms

Optimizing performance in esports

If you don't really care about professional e-sports, you probably won't know that the Gosu (professional gamers) have extremely strict living and training habits, not inferior to the sports. motivate from traditional sports like football or tennis, especially in the period before and during the tournament. These nineteen twenties compete fiercely with each other to receive rewards of up to 6, 7 numbers, which can make them change their lives and become stars known by millions. So what role does AI play in this situation? Well, it turns out that artificial intelligence models are being hired by teams to train with gamers like professional coaches.



1. Magic: The Gathering - the most difficult "chew" game for all AI models

For example, machine learning platforms capable of analyzing esports such as SenpAI are providing AI-based training programs that can assess players' indicators and propose strategies and strategies to better play in titles. MOBA games like the League of Legends and Dota 2. In which, each game will have the participation of 2 teams, each team consists of 5 positions with each task are specifically divided (theoretically as so). An AI coach advises team members on offensive and defensive strategies, and shows how different approaches affect (increase or decrease) to the odds of winning - losing, from It helps teams to find the best playing strategy.

Developers will often train AI models so they can learn each specific game. In the case of the 'AI' Omnicoach coach, the Overwatch player will get this AI model that provides useful advice on how to use weapons, improve maneuverability and find favorable positions. Leave the avatar of the enemy in which each possesses a unique fighting ability. In this game, the 6-member team, if you take advantage of the great synergy from each individual, can own yourself a huge advantage over the opponent.



1. Disney's AI model creates animated sequences from scripts

Many elite players, famous talents in the gaming world, come from big game teams sponsored by global brands like Red Bull, Monster Energy and Audi are applying computer-based play methods. created to gain tactical advantage. For example, in Counter-Strike: Global Offensive, an AI trainer can teach players how to hide behind advantageous positions near the building or bridge to get better range than the opponent, or deploy The rational team makes them less vulnerable in each game.

In fact, the simulation and game theory methods can be influenced by many different variables, and the AI ?? provides the ability to analyze extremely useful situations for professional gamers, but People are "wringing their brains" in every game because it's their job, which gives them 'food, clothes'.

Plan your victories

As mentioned, artificial intelligence is changing the game world in very different ways. DeepMind, one of London's most famous artificial intelligence development companies (acquired by Google in 2014), used machine learning models to explore ways and ways of playing. more optimized in some classic games like Atari's Pong, and the final results are impressive.



1. Google researchers for gaming AI to improve enhanced learning ability

In a TedTalk show that took place in 2017, DeepMind computer scientist Raia Hadsell said that AI and deep neural networks can play a big role in finding the best play. For each specific game, it also helps improve the design of the game. According to Mr. Raia Hadsell, for gaming AI is the final test step for all AI systems being developed in the lab, because from AI game results, researchers will be able to evaluate the similarity. exactly the overall performance of that AI model.

You may not know it, but AI technology has grown to the point where it is now almost impossible for people to win them in many intellectual battles, especially in the field of games. Even chess legend Gary Kasparov has also succumbed to the "ambush" of supercomputers in his own department. Or recently, the AI ??model called OpenAI by technology billionaire Elon Musk has also achieved a winning rate of nearly 93% in more than 3000 games against Dota 2 players worldwide. Indeed, we have entered an era when transcendent machines can calculate and analyze the results of millions of in-game operations per second.



1. OpenAI artificial intelligence defeated the current world champion Dota 2

Again, at the present time in the technology world there is little difference between two virtual and real concepts. Professional gamers are immersed in a universe that mixes realistic and digital games, created by people and even artificial intelligence models.

Interrupting game business model segments

Even the business in the gaming world is affected by the emergence of artificial intelligence, of course the impact here is related to both positive and negative eyes. Simple example, many conversational AI assistants are being developed to help consumers navigate through a 'maze' of thousands of different video games, as well as to find suitable games. user tastes. In just a short time, all you have to do is talk to your phone and ask him which games are most popular, how the game is played, as well as A variety of other queries save time and money more than the way you search for information on your own.



1. EU: AI systems should be developed and implemented in a transparent and responsible manner

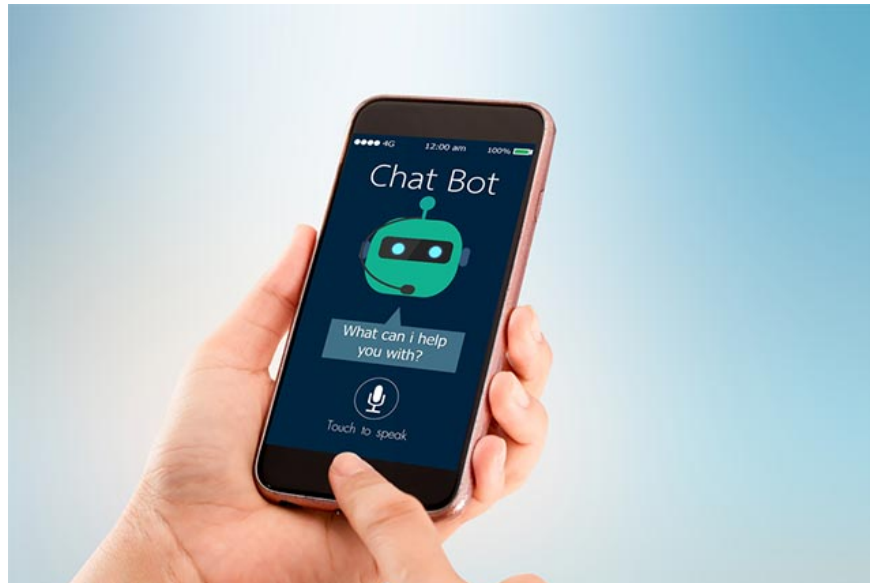
'Customers require a natural interaction, chatting while shopping online while still having the same experience as buying directly at the store. However, we also find there is an increasing trend that people want AI to introduce themselves to suitable products instead of searching for themselves, "said Vijay Ramakrishnan, machine learning engineer. developing AI assistant models under a Silicon Valley-based company.

Moreover, AI is also showing great potential for future use, especially with respect to market share by creating game designs that can significantly increase interest and participation from community side. For example, an algorithmic program can be trained to find the best features of Dota 2, the League of Legends and other popular titles to help MOBA developers improve their products. they.

1. MIT AI model can capture the relationship between objects with the minimum amount of training data

Mobile and social platforms

'Online chatbot channels that we often meet on the web such as Facebook Messenger have a great role in bringing high quality AI experience to users. Facebook can fully check past interactions and behaviors with an AI agent to get an idea of ??what an ordinary user might want to do in the future, such as favored items. like or interesting places. These insights are valuable in bringing personalized information that is best suited to the individual, 'said Ramakrishnan.



1. Chatbot AI supports finding information about frauds and frauds

Therefore, machine learning is a suitable technology to customize games based on user preferences. AI 'staff' can learn to guess exactly what an individual will buy. And this ability will contribute to reducing the financial risk for game developers, avoiding the game made but "sluggish" due to the tastes of many people. In addition, multimodal AI models with a combination of an object and face recognition system, voice assistant and display can also provide a better experience for customers.

Russian President Vladimir Putin once said in 2017 that artificial intelligence will be the future of human development. So anyone, organization, or country that holds a leadership role in this field will be able to become a world leader, and of course, including e-sports in particular and The whole game school in general.

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