When we talk about AI, what is the first time when you hear about it?

For most of us, it is probably the news of Lee Sedol's battle with AlphaGo, which happened in 2016.

In fact, in the view of relevant practitioners, the deep learning based AI first appeared is in 2012, where AlexNet won the first prize in the image recognition competition held by ImageNet.

Since then, a huge amount of AI approaches have sprung up, such as ResNet in 2015, Transformer in 2017 and the the world's largest multi-task AI pre-training model, GPT-3, in 2020.

Today is 2022. It has been 10 years since AlexNet was born. During the past decade, many famous scientists, business man, and even politicians have predict that AI will change the world. So obviously, there is an interesting question for all of us, that is, what has AI changed during the past decade?

I will give a brief introduction.

The first filed is art. One of the hottest topics on the Internet recently is novel-ai. No one could believe it could draw such beautiful work of art. In the past, In the past, paintings of this level could cost thousands of yuan and several days, but now, with the help of AI, it’s only 0.05 yuan with 20 seconds.

Obviously, novel-ai will quickly change the ecology of the entire painting industry.

The second par is language. This has been happening subtly in our lives. When you log in tiktok, a large number of videos made by AI dubbing will overwhelm you. When you work with your homework, the AI machine translator will more or less help you. Even if you feel lonely, you can chat with AI, just for fun.

In the field of medicine, AI also changed a lot. Deepmind’s AlphaFold2, interprets the structures of 2 trillion proteins at once. And many AI based calculations and simulations can already guide clinical operations.

Not to mention in business, AI has also spawned many companies. Sensetime, MEGVIL, YITU, Yuncong, these AI start-ups provide a lot of AI services to governments and companies. Autonomous driving has also once become the darling of the investment community. And there are still many concepts waiting to be applied in the future, such as ……

However, the application of AI is not all smooth sailing. Recently, the market value of most AI companies has been falling, and capital expectations for AI are also falling. There are two main reasons for this. One is the uncertainty of AI itself, like a black box, which is difficult to use stably in a production environment; the other is that the technical barriers of AI are too low, even the latest AI models can be easily copied, the value of these technologies is finally condensed on the data.

So, as a conclusion. We can say that The application of AI is still very limited.

But there is still an imaginative prospect.