

## Google's self-learning AI starts with blank slate and 'creates knowledge itself'

Google's artificial intelligence group, [DeepMind](#), has unveiled the latest incarnation of its Go-playing program, AlphaGo – an AI so powerful that it derived thousands of years of human knowledge of the game before inventing better moves of its own, all in the space of three days.

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"It's more powerful than previous approaches because by not using human data, or human expertise in any fashion, we've removed the constraints of human knowledge and it is able to create knowledge itself," said David Silver, AlphaGo's lead researcher.

The program amasses its skill through a procedure called reinforcement learning. It is the same method by which balance on the one hand, and scuffed knees on the other, help humans master the art of bike riding. When AlphaGo Zero plays a good move, it is more likely to be rewarded with a win. When it makes a bad move, it edges closer to a loss.

**The GLP aggregated and excerpted this blog/article to reflect the diversity of news, opinion, and analysis. Read full, original post: ['It's able to create knowledge itself': Google unveils AI that learns by itself](#)**