Clever.

Can Artificial Intelligence improve the CleverEngine win rate?

Clever. collaborates with the Hartree Centre

In the early part of 2018, Clever approached the Hartree Centre, a centre of excellence for high performance computing, big data analytics and cognitive technologies run by the Science and Technology Facilities Council (STFC).

The Hartree Centre usually works with big science projects in pharmaceuticals, education and virtual engineering technology.

Clever is the first fintech (financial technology) company they have worked with and were awarded government grant funding due to the innovative and unique nature of the project.

What was the goal?

The goal was to see if machine learning or AI (artificial intelligence) could help improve the CleverEngine win rate against the sector average, over a following 12-month period.

Applying machine learning

Machine learning is an application of AI that provides the ability to automatically learn and improve from experience without being explicitly programmed.

We used a sample data set from June 2003 to September 2018 and analysed over 500 million data points.

And the winner is...

In short, the conclusion was that for now, the use of AI does not improve the CleverEngine's already outstanding performance and win rate against the sector average over a following 12-month period.

The same analysis did, however, prove that Clever produced consistent results over that period as follows:

66% of the time Clever outperforms the sector average

50% of the time Clever outperforms the sector average by at least 2.67%

Interestingly, Professors Steve Thomas and Andrew Clare of CASS Business School found very similar results when they tested the CleverEngine as part of a research paper they produced on centralised investment processes in October 2014.

A commitment to better outcomes for you and your clients

Clever is committed to continuing research and development using the latest available knowledge and technologies and will publish further results when available.