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The Integration of AI in Finance

Remix:

# Artificial Intelligence in Finance

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## AI in Finance: What is it?

- Is the application of a computer to analyze massive amounts of data to spot patterns to better predict markets and for other purposes.
  - Streamlining their operations, services, and decision-making, such as smart regulation, smart risk, smart security, smart accounting, smart auditing, smart governance, smart operations, and smart management.
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## Why is AI in Finance Important?

- Artificial intelligence's application into the market will change the way the job field operates because everyone will be using the best possible software.
  - The primary way it will change is through the integration of quantum analysis which is applied to understand, simulate, and visualize system complexities.
  - Artificial Intelligence sifts through millions of data points in real-time to predict trends in the market and because of this, it can detect irregularities such as money laundering and other illicit activities.
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## Why? Continued

- The stock market and Wall Street corporations are infamous for all sorts of schemes so if the average consumer has the same data these corporations do then everyone will be on a level playing field.
- This will promote inclusion and force companies to be more transparent in the future.

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## The BlockChain, What is it?

- An exciting part of Artificial intelligence is the blockchain. The blockchain is a huge network of computers that act as sending and receiving points. One piece of information, like a Bitcoin, is split up and sent to multiple receivers which in turn send all their pieces of information to the final destination.



## Why is the BlockChain Special?

- The blockchain's ability to be able to provide a great service while keeping all user's data secure will cause socio-economic change because of the lack of governance.
- It keeps the identity of all participants anonymous and protects their financial privacy. It also operates outside of any legislative bodies which keep interference to a minimum.



## Wrapping It Up

- Financial markets will benefit tremendously when artificial intelligence is implemented field-wide. It will improve because of the limiting of illicit activities and money laundering because of the tracking capabilities of AI. It will also standardize market practices that will be best for the consumer. Finally, artificial intelligence keeps security paramount with the blockchain's capabilities of splitting information up among a vast number of computers.

## Artificial Intelligence in Finance

I have chosen to create a presentation on the integration of artificial intelligence into finance because of the complexity and lack of information on the subject in an easy to read format. I also wrote my annotated bibliography about this subject and during the research and outlining of my paper it was quite a struggle exactly understanding what these complex sources were saying. That led me to think that this project could be a great way to simplify these intricate processes into an easy to comprehend presentation. This is something that a lot of people could read in two or three minutes and understand the basics of integration of artificial intelligence into different aspects of finance.

Artificial intelligence into Finance, I believe will completely change the financial market and how specific job fields operate. It is something I fully believe in and am so excited about because of how new this technology is. There are multiple types of AI applications, even with how long people have been developing them, such as Numerical Methods, Time-series and Signal Analysis, Statistical Learning, and Random Methods. All four of these have their benefits and their drawbacks. Numerical methods are data-driven and incredibly accurate however, this method is a complex process requiring many data points and does not automatically update because data has to be supplied for this to work. Time-series and signal analysis uses relations to find trends, movements, and forecasts but can be skewed by outliers in data, and overfitting means it draws a conclusion based on relative things which could be incorrect. Statistical learning is perhaps the most exciting part of this technology because it combines numerical methods and signals analysis. This way, it can make assumptions based on the data and relates it to other similar data; meaning it can draw an incredibly accurate result. Even if one of these

methods does not perform to its best I am sure another method with the right research will be the best option. This is why I think that once AI is fully used it will change everything about finance.

I believe everyone could read or watch this brief presentation which is why I included simple graphics and made the presentation colorful and drawing to the eye. I made the sentences short and used very little vocabulary and rather listed the applications instead of explaining the processes and exactly how they work. The short presentation ensures that the viewer will not be bored during it because of its brevity. This powerpoint has been quite a challenge due to simplifying complex ideas into an easy to read version. After the hard part was over, actually using the software and the exact layout of the project was simple. I thoroughly enjoyed the project and am glad to have completed such a challenging task.