# Deep Learning for Financial Applications: A Survey (Department of Compute Engineering) TOBB University of economics and technology.

## Context

The use of Deep Learning for Financial Applications has been a popular topic. People have had success with Machine learning but have not had great success with deep learning. This paper goes through the work done in deep learning for financial applications and ranks and analyzes the performance.

<https://arxiv.org/abs/2002.05786>

<https://arxiv.org/pdf/2002.05786.pdf>

## Deep Learning for Financial Applications: A Survey

The paper covers the following areas

* Stock Market Forecasting
* Algorithmic Trading
* Credit Risk assessment
* Portfolio allocation
* Asset Pricing and Derivatives Market

In the paper the following areas will be explored

* What financial applications areas are of interest to the Deep Learning community?
* How Mature is the existing research in each of the application areas?
* What are the areas that have promising potentials from an academic/ industrial re-search perspective?
* What are the areas that have promising potentials from an academic/industrial research perspective?
* Which DL models are preferred (and more successful) in different applications?
* How do DL models pare against traditional soft computing / ML techniques?
* What is the future direction for DL research in Finance?