Machine Learning to Quantum Machine Learning (QML) for Critical Applications

# Abstract

# Introduction

Machine learning is an area in computer science that focuses on building algorithms that can help solve practical problems by implementing statistical models on data. The most common use of machine learning is classifying new subjects based on previous data.

Quantum Machine Learning is using quantum computing to implement machine learning. The backbone of quantum computing is using the ‘qubit’, which differs from the well-known classical ‘bit’ in the fact that it undergoes a phenomenon known as ‘superposition’ where, unlike a classical bit, which can only ever be 1, or 0, a qubit can be simultaneously in a position of 1 and 0.

# Literature Review

# Methods

# Results

# Discussion

# Future Work

# Conclusions

# Bibliography