Work update

Contribution 1 Prediction of student learning outcomes in higher education

<u>Completed items</u>
- Implementation of classical logistic regression with student performance data set
- Implementation of variational quantum classifier with student performance data set

Contribution 2 Prediction of customer online retail spending patterns

<u>Completed items</u>
- Implementation and analysis of Classical K-means clustering algorithm with online retail data set
- Implementation and analysis of Quantum K-means clustering algorithm with online retail data set

For more information, please refer to this [medium article](#)

Contribution 3 Quantum optimization problems

<u>Completed items</u>
- Implementation of Reduced Genetic Algorithm
- Published Medium article on Quantum Genetic Algorithm

For more information, please refer to this [medium article](#)