

Title of project placed here

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Introduction

- 1.1 Problem Synopsis
- 1.2 Project Aims
- 1.3 Document Outline

Preliminaries

- 2.1 On-line Algorithms
- **2.1.1** K-Means
- 2.1.2 Adaptive Resonance Theory
- 2.1.3 Mean and Variance
- 2.1.4 Multivariate Stochastic Gradient Descent
- 2.2 Probability Distribution Function
- 2.3 Normalization
- 2.4 K Nearest Neighbours

Literature Review

Contributions

- 4.1 Network Efficiency
- 4.2 Ensemble Learning
- 4.3 Optimal Stopping

Design and Implementation

- 5.1 Network Architecture
- **5.2** Query Analytics

Evaluation and Case Study

- 6.1 Data Set
- **6.2** Error Allowance vs Messages Sent
- **6.3** Probability Distribution Functions
- 6.4 Query Validation

Conclusion

- 7.1 Achievements
- 7.2 Future Work
- 7.3 Final Remarks

Appendix A

First appendix

A.1 Section of first appendix

Appendix B

Second appendix

Bibliography

[1] C. Baier and J.-P. Katoen. Principles of Model Checking. MIT Press, 2008.