Coding Group: Project Outline

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Abstract

It is my intent with this project to explore a number of topics in statistical data processing to both increase my potential employability and satisfy my educational curiosity. The project will be partitioned into a number of sub-projects, each exploring a single concept or tool that will be necessary to understand and implement a machine learning algorithm for use on a to be determined data set. Since real data sets can and will be arbitrarily large, scalability will be the core focus of this project with each sub-project having both a sequential and parallel/distributed implementation.

- 1 Introduction
- 2 Sub-Projects
- 2.1 Principal Component Analysis
- 2.2 Clustering (k-means)