Review for ChenZH-report 3

1. Summary of the report.

They performed several dimensionality reduction methods including manifold learning methods on finance data and used machine learning algorithms to classify different types of finance data and compare the trade-off between the classification accuracy and data dimension.

2. Describe the strengths of the report.

1)The report is very clear and easy to follow.

2)They not only use several methods to reduce the dimension of data but also combine different data reduction with different machined learning methods, evaluate the performance of classification model and explore the relation between classification accuracy and data dimension. It is an interesting task.

3. Describe the weaknesses of the report.

1)The report shows that some combination of reduction methods and classification methods will work while some will not. But why? And does it depend on dataset? I think the conclusion here is not clear enough.

4. Evaluation on Clarity and quality of writing (1-5): 4

5. Evaluation on Technical Quality (1-5): 4

6. Overall rating: 4

7.Confidence on your assessment:3