

## *Title: Visualization and Classification on Finance Data*

### **Summary**

This work focus on prediction of the class information of stock in finance data, and then perform PCA, SPCA, MDS, ISOMAP, LLE and TSNE methods to reduce the features of data. Finally, aided by machine learning method, it compares different integrations of classification approaches and dimensionality reduction methods.

### **Strengths**

This report clearly presents its data distribution and two parts' analysis result.

### **Drawbacks**

Deep mining the relationship between the features and labels is a good future work.

### **Evaluation on Clarity and quality of writing (grade: 5)**

This paper basically doesn't have the grammar errors and the author shows the detailed description of each algorithm, which is really clear for readers.

### **Evaluation on Technical Quality (grade: 5):**

The paper has the logic to describe the two tasks. Also, after showing the results, it describes the analysis results in detail, compares the applicability of each method, and analyzes the possible causes of such results.

Overall rating: 5

Confidence on your assessment: 3