

CHAPTER V

CONCLUSION

This chapter will discuss the conclusions of the comparison method with several dataset in the recommendation system in section 5.1 and suggestions for further research development in 5.2

5.1 Conclusion

Based on the comparison analysis result, the conclusion will be shown in several point.

- ALS and SVD could handle sparsity.
- From these 3 dataset comparison, ALS shows better than SVD after manual tuning hyperparameter.
- The more dense dataset the lower epoch number needed.
- SVD optimal value (20) will be optimal in normal distribution dataset

5.2 Suggestions

The suggestion for developing the next recommendation system research are as follows :

1. Using another model based algorithm, with the hope could have better comparison.
2. Using another characteristic dataset like lastfm which is implicit, without ratings but number of times user played song, with the hope could have new perspective and conclusion.

