

Lab 4-Binary Classifier

Stat 215A, Fall 2014

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1 Introduction

Blah blah...

2 EDA

2.1 Densities of the three most important features as selected by paper

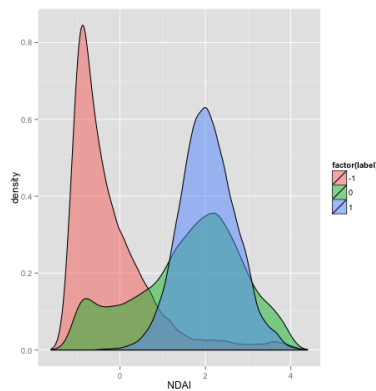


Figure 1: NDAI density Image 1

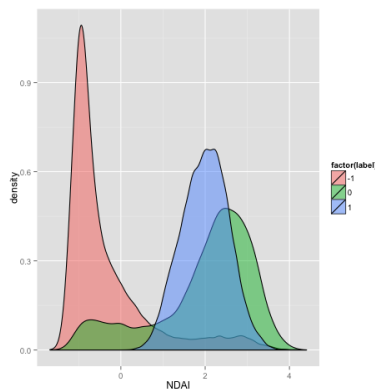


Figure 2: NDAI density Image 2

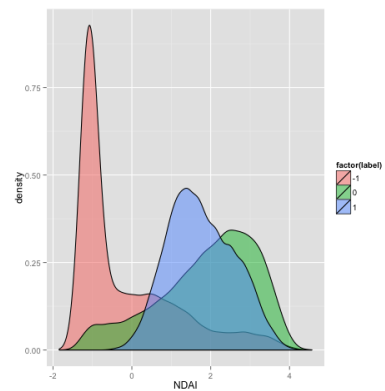


Figure 3: NDAI density Image 3

3 Modeling

3.1 LDA/QDA

3.2 Logit/Probit

3.3 Random Forest

4 Reproducibility

How we organized our code and github repo

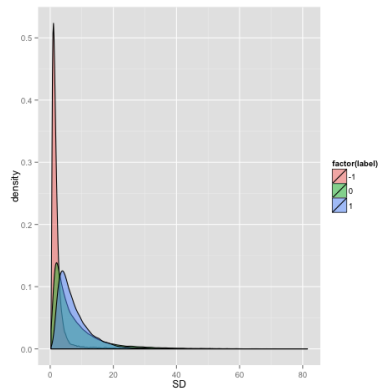


Figure 4: SD density Image 1

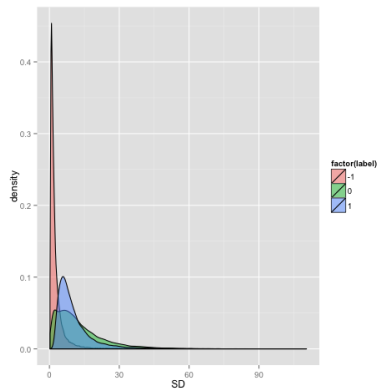


Figure 5: SD density Image 2

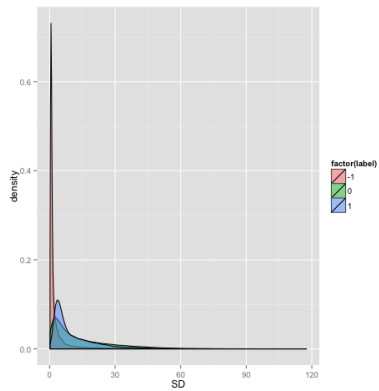


Figure 6: SD density Image 3

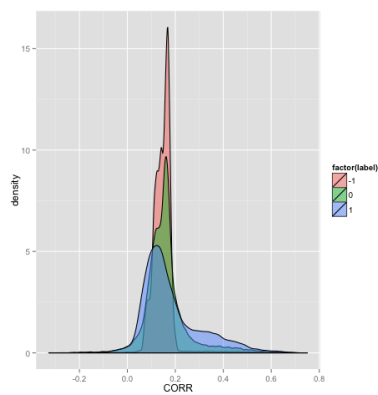


Figure 7: CORR density Image 1

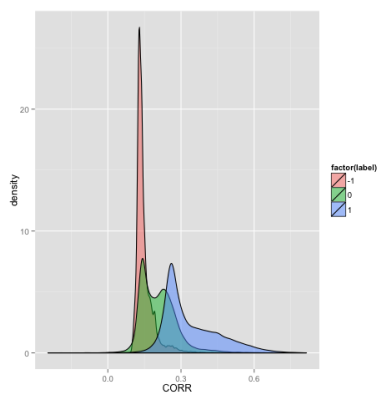


Figure 8: CORR density Image 2

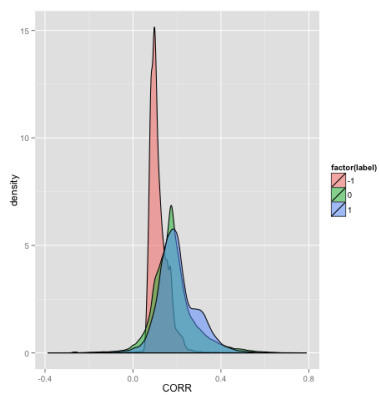


Figure 9: CORR density Image 3

References

- [1] Ben-Hur, A., Elisseeff, A., Guyon, I.: A stability based method for discovering structure in clustered data. In: Pacific Symposium on Biocomputing, pp. 617.