

FYS-STK3155/4155 Applied Data Analysis and Machine Learning - Project 3

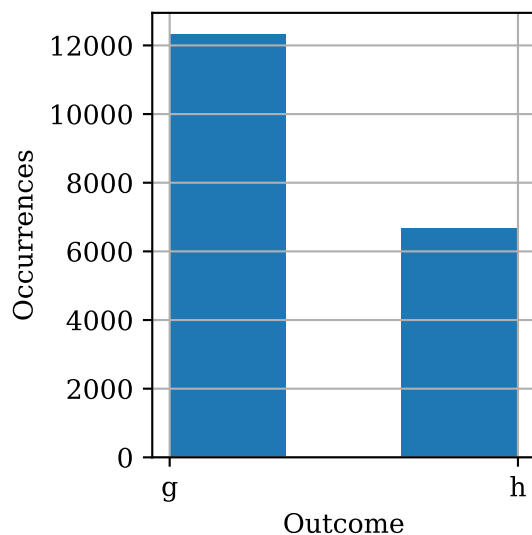
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<https://github.com/liseanh/FYS-STK4155-project3>

November - December 2019

Abstract

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- 1 Introduction**
- 2 Data**
- 3 Method**
- 4 Results**
- 5 Discussion**
- 6 Conclusion**

Figure 1: Frequencies of the binary outcomes in the data set.

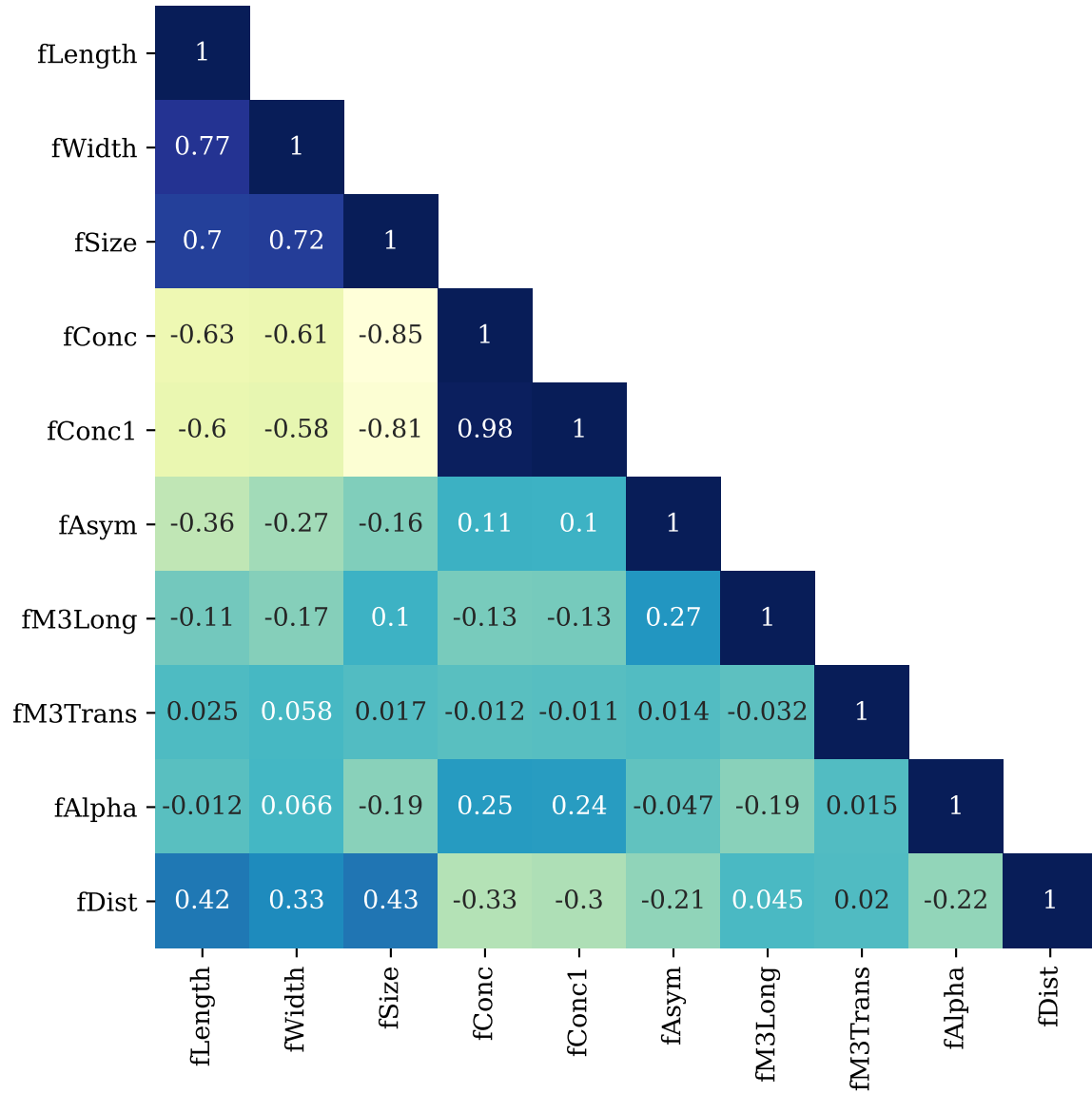


Figure 2: Correlation matrix of the features in the train set. Upper triangle excluded for readability.

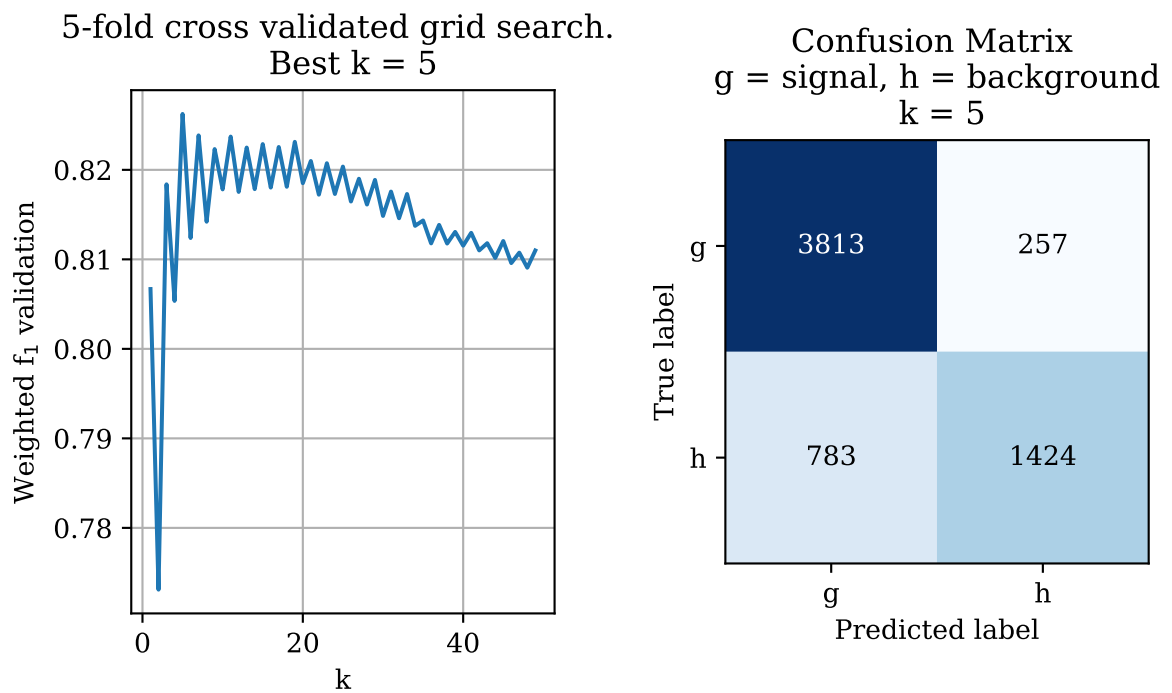


Figure 3: Results from tuned kNN using cross validation. The confusion matrix was found using the test set.

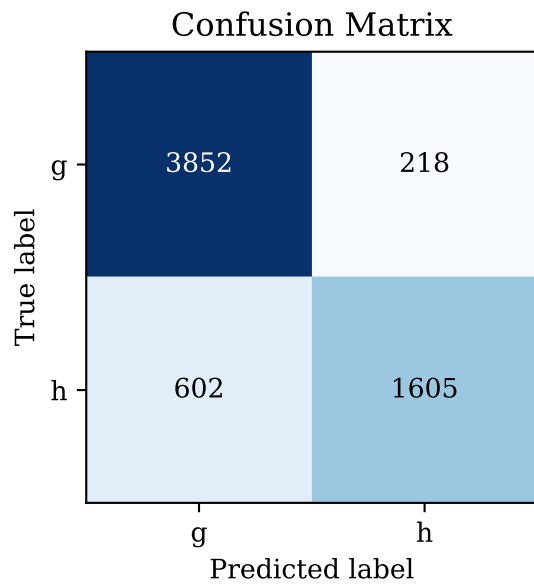


Figure 4: Confusion matrix of the neural network model applied to the test set.

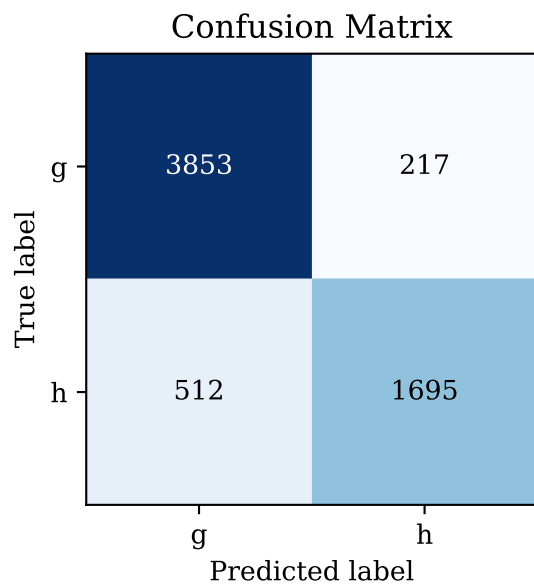


Figure 5: Confusion matrix of the gradient boosted model applied to the test set.