

Machine Learning
Classification exercise report - Group 27

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1. Datasets

1.1 Dataset *KDD Cup 1998*

1.1.1 Characteristics of the dataset

1.2 Dataset *Breast cancer*

1.2.1 Characteristics of the dataset

1.3 Dataset *Car evaluation*

1.3.1 Characteristics of the dataset

1.4 Dataset *Detect Malicious Executable(AntiVirus)*

1.4.1 Characteristics of the dataset

2. Classifiers

2.1 Naive Bayes

2.2 Support Vector Machine - SVM

2.3 Decision Tree

2.4 Random Forest

3. Dataset *KDD Cup 1998*

3.1 Naive Bayes

3.2 Support Vector Machine - SVM

3.3 Decision Tree

3.4 Random Forest

3.5 Comparison of classifiers

4. Dataset *Breast cancer*

4.1 Naive Bayes

4.2 Support Vector Machine - SVM

4.3 Decision Tree

4.4 Random Forest

4.5 Comparison of classifiers

5. Dataset *Car evaluation*

5.1 Naive Bayes

5.2 Support Vector Machine - SVM

5.3 Decision Tree

5.4 Random Forest

5.5 Comparison of classifiers

6. Dataset *Detect Malicious Executable(AntiVirus)*

6.1 Naive Bayes

6.2 Support Vector Machine - SVM

6.3 Decision Tree

6.4 Random Forest

6.5 Comparison of classifiers

7. Conclusion and future work