

Modern Methods in Data Analysis

Project in Multivariate Data Analysis: Higgs Challenge

Lukas Fritz	1686473
Fabian Leven	1638446
Ali Deniz Özdemir	„Enter Matrklr“
Lena Salfenmoser	„Enter Matrklr“
Johannes Heizmann	1725035

4. Februar 2015

Inhaltsverzeichnis

1	Introduction	3
2	Getting familiar with the project	3
2.1	Correlation of Variables	3
2.2	Choosing a Classifier	3
3	improvement approach/Methodik	3
3.1	Improving the Classifier	3
3.2	Choosing the right cut	3
4	Conclusion	3

1 Introduction

[?]

2 Getting familiar with the project

2.1 Correlation of Variables

- determination of differences in correlations of signal and background
- removal of non relevant variables

2.2 Choosing a Classifier

3 improvement approach/Methodik

3.1 Improving the Classifier

3.2 Choosing the right cut

4 Conclusion