

Modern Methods in Data Analysis

Multivariate Data Analysis: Higgs Challenge

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4. Februar 2015

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1 Introduction

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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