Contribution ID: **120**   Type: **Exercise**

Exercises 1: Data Analysis

Monday 16 September 2024 17:30 (1 hour)

There will be 4 sets of exercises covering basic properties of PDFs and Monte Carlo generators, Maximum Likelihood fit, and (Advanced) Hypothesis testing. Students will be given realistic but simplified problems where key concepts from statistics need to be applied in order to provide scientific interpretation of data. Each set of exercises consists of 5 problems that will help guide the student. There are clear instructions to help you choose problems based on your pre-knowledge level. Data is provided in a simple text file and can be analysed with any programming language that offers libraries for statistical analysis (Python or C++ are recommended).

Summary

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