

# Multivariate statistics: Assignment 1

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## Abstract

### 1 Introduction and data exploration

This report assesses hearing thresholds for a sample of 546 healthy male volunteers. The subjects were 44 years old on average at the start of the study and are followed for an average of 7.57 years. The hearing threshold is measured, on average, every 1.59 years, separately for both ears.

Describe the data, and use graphical techniques to explore the mean structure, the variance structure and the correlation structure. Summarize your conclusions. What are the implications with respect to statistical modeling ?

### 2 Methodology

### 3 Results

### 4 Discussion and conclusion

#### 4.1 further research