How to write the reports
02441 Applied Statistics and Statistical Software

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Writing the reports

- **The reports should contain**
  - The front page
  - Summary
  - A table of contents
  - Introduction
  - Description of data
  - Statistical analysis
  - Results
  - Conclusion
  - Appendices with figures, tables, and program code (optional)

Front page

- The front page should contain the name (Applied statistics and statistical software) and course number (02441)
- There should be a title and the name and student numbers of the authors

Summary

- Should contain a summary of the problem you are working with, which results you got, as well as main conclusions.

- Don't get into technical details. The summary should not be very long

Introduction

- Should contain a description of the background of the problem as well as the aim of the report. This aim could be separated into a number of questions that you want to answer in your report. Furthermore, you could give a very short description of the analysis that will be applied.

Description of data

- Should contain a description of the data you are analyzing. What type of measurements are available, what data are missing etc.

- Should contain a few good plots to reveal important features in data

Statistical analysis

- Should describe the methods you used and why you decided to use them. Do not get in detail with statistical theory. Write down and discuss the assumptions of the applied methods. Discuss shortly how you performed the analysis (program code should be in the appendices)

Results

- Present the results. Use graphical methods and perhaps a few tables. What do the results show. Discuss the results. How reliable are they

- Present results/estimated parameters using 95% confidence intervals

Conclusion

- What are the conclusions of the report. The conclusion should be connected to the aim of the report in the introduction.

- If you have found interesting problems/aspects that you haven't analyzed, you should specify them as 'future work'