**CHAPTER 9.**

Lab-reports

* Divided into sections (with specific info)

Parts

• Title

• Abstract

• Introduction

• Method (sub-divided into the following sections:) Design

o Participants

o Apparatus and Materials

o Procedure

• Results

• Discussion

• References

• Appendices (not always present).

Title

* informative
* 10-max. 15 words

Abstract

* summary that provides a brief outline of the main procedures, results and findings of the study
* brief summaey, max 150 words
* summary of the study's
  + idea
  + aims
  + methods
  + findings
  + main results
  + theoretical implications
  + conclusions

Introduction

* info about **why** the experiment is worth doing
* Make specific predictions and provide some background info about previous research
* Summarize RELEVANT experimental findings

Intro and discussion

* length: about a half of the total length of the report

Method

* Subsection 1: Design (e.g. Between (with each worker assigned to only one of the permutations of age and shift) /Within Group Design)
  + identifies the independent and dependent (e.g. time up to 60 sec, max count) variables in the study

(independent variable: can be manipulated; dependent variable: can be measures)

* + say whether you used independent measures, repeated measures or a mixed design
* Subsection2: Participants
  + Info about gender, age, state, country, whether they were paid for participating, physical defects (e.g. blindness)
* Subsection3.1: Apparatus
  + stopwatches, **computers (+ software!)**, + brand-names, model numbers [only if they are RELEVANT, and if the experiment can’t be leaded without them]
  + **[!]** No ‘shopping lists’: Instead of writing 'Stopwatch. Questionnaire. Tape recorder', write 'The apparatus consisted of a stopwatch, a questionnaire, and a tape-recorder'.
  + IRRELEVANT ~~Subjects were then debriefed and thanked for their participation in the study.~~
* Subsection3.2: Materials
  + **questionnaires**
* Subsection 4: Procedure
  + what done in practice, length of test session, order of tests
  + what instructions were given

Results (2 Parts) see Box 5.3

* no interpretation of the results, no raw data (raw data in the appendix, not in the text), no speculation why the differences were occurred, no relation these findings to previous data/theories
* 1. Part: Descriptive statistics
  + Means, standard deviation for each group/condition, number degrees of freedom, significance level, semi-interquartile ranges
  + no need for info why a test is picked
  + **[!]**  NO calculations fort he test
* 2. Part: Inferential statistics

Discussion

* Summarization of the main results
* Say whether or not the results support the experimental hypothesis
* Indicate clearly whether or not your initial hypothesis has been accepted
* Relation of the findings to previous studies
* Possible future experiments
* Identify potential problems with your study
* Finish: summarizing the main conclusions

References

* Biggott, R.S. ( 1967) National differences in queue-jumping behaviour: an observational study. Journal of Irreproducible Results, 17 (1), 296- 305.

**CHAPTER 12**

Design

* repeated-measures design (with each participant taking part in all of the conditions of the study)
* an independent-measures design (in which participants performed in one and only one condition), or a
* more complex, 'mixed design' (using a combination of repeated- and independent-measures variables)