

Parametric report: A Summary of the Guidance

It is expected that you are using the Psychology and Counselling House Rules Document for guidance on every section that is required to be included, as well as the content required within each section of a psychology research report. The information below is additional and relates specifically to the resit assessment question for the 2021/2022 academic year.

Introduction

This question is asking you to explore personality and memory, and so the literature you source and include in this section must be relevant to these topics. [There are two journal articles available on Moodle to start you off with your literature search, as well as the original article that discusses the Big Five Inventory \(BFI\)](#). The literature you choose to include overall should introduce what the research suggests are the differences in memory recall / memory performance between individuals who score high or low on a measure of extraversion OR the relationship between levels of extraversion and memory performance. You should end this section with a clear and justified hypothesis – what do you expect to find based upon the literature you have now read and included in this section?

Method

(do not forget that this section must be written in the past tense.)

Participants

[The data has been provided for you to allow you to complete this section.](#) How many participants in total? How many were male and how many female? What was the age range? Mean and SD must also be included. [The worksheet and Panopto recording that goes through how to analyse descriptives using SPSS can be found under the Week Five tile.](#)

Design

[The information you provide in this section will depend on whether you have chosen to conduct a t-test analysis or a correlation analysis on the provided data.](#)

What was the design?

T-test: between-subjects or within-subjects? What was the independent variable? How was this categorised? What was the dependent variable and how was this scored?

Correlation: what were the variables?

What specific analysis will be conducted?

Materials

The questionnaire used to collect data on Extraversion levels in this study is the Big Five Inventory (BFI; John et al., 1991). Make sure you are clear that only the items relating to Extraversion/the Extraversion sub-scale have been included. [This questionnaire has been included in full on Moodle, plus information regarding how you should calculate total scores.](#) When writing materials sections when psychological scales have been used, you need to

include as much detail as you can. For ease of access, the 'questions' that should be considered when writing up the details of a questionnaire has been included within the Report 2 Documents and Guidance folder, as well as a document that demonstrates how a full materials section for questionnaires should look. Data was collected in a lab setting using the Qualtrics survey system and Superlab. The link to the Qualtrics survey is available on Moodle. A laptop was set up with the Qualtrics survey available for participants to seamlessly switch between the Superlab task on the computer and the BFI survey on the laptop.

The task used to assess memory recall was created using the specialist programme Superlab. The order of the presentation of information within this task has been replicated in a PowerPoint file for you. You should use this file and write up, in as much detail as possible, how the task collects data on memory recall. Consider the following questions/information when writing up this section:

- How many words are there?
- Where have the words been taken from? Why? How were they chosen?
- Font / colour / font size of words?
- How long is each individual word being displayed for?
- What is included in between the words? How long is this displayed for?
- How long are participants given to recall the words (immediate recall)?

The 'scoring' of memory recall replicates that used by Luchetti et al. (2021): participants receive a **score out of 20** which is the sum of how many words they remembered when asked to immediately recall the words and how many words they remembered following a period of delay (delay = filling in extraversion questionnaire).

Procedure

Recruitment via the Experiment Management System (EMS) → Information sheet → consent form → Part One of memory recall task completed on lab computer (immediate recall) → Extraversion questionnaire completed via Qualtrics → Part Two of memory recall task (delayed recall) → debrief → thanks for participation.

Results:

Data has been provided within an SPSS dataset and is available on Moodle. You need to identify the variables and there are several things you will need to do prior to being able to analyse the data:

1. Reverse score the relevant items in the BFI
2. Calculate the total score for Extraversion
3. Calculate the total score for memory recall
4. If you are conducting a t-test analysis, you will also need to group the extraversion scores into LOW and HIGH and this can be done by working out the Mean (simple descriptives) and categorising accordingly.

The Panopto recording for reverse scoring, calculating scores, and categorising scores can be found under the Week Five Tile.

You must choose between conducting a t-test analysis (exploring differences) or a correlation analysis (exploring a relationship) for your report. The two analyses are very

different, and the procedure is different. Worksheets and the Panopto recordings for the t-test analyses can be found under the Week Six tile, and the worksheet and Panopto recording for the correlation analysis can be found under the Week Seven tile. There are examples of results sections contained within the lecture slides for each week.

What analysis was conducted and why?

What were the descriptives? You should be reporting mean and standard deviation scores of extraversion and memory recall here.

The statistics from the analysis MUST be included! And in the correct formula (as demonstrated in the example results sections). Were the results significant or non-significant? What does this mean and how do these results relate to your hypothesis?

Your SPSS output showing the analysis and results must be included within the appendices (and NOT pasted into the main body of your results section!)

Discussion

Reiterate main findings. How do these findings relate to previous research findings (the literature/references you have included in your introduction to this report?) Why do you think the findings were as they were? What other factors could be discussed in relation to this topic? Are there any areas that could be expanded upon for future research? Discuss, critique and support your claims with literature to make this section stronger.