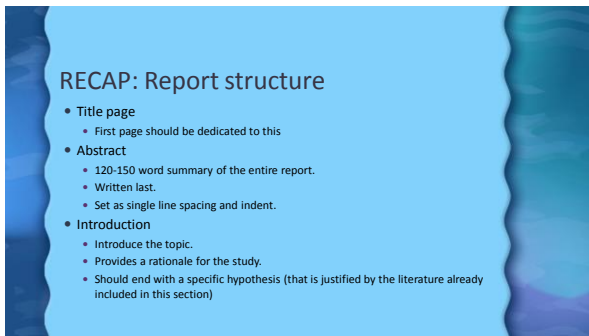
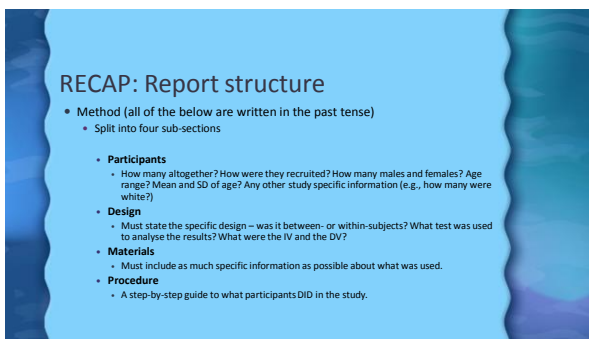








RECAP: Report structure

• Results

- Must include descriptive and inferential statistics
- Must include the t-test formula!
- Can include a table or a graph of the means (if this adds to the report, not just for the sake of it)
- Must end with a statement re: accepting or rejecting the hypothesis

RECAP: Report structure

• Calculating your t

- You must include your calculation in the appendices of your report (or must be submitted as a hard copy)
- This is to demonstrate that you have calculated this yourself and understand the process behind the t-test calculation.
- Once you have a final value for t , you need to use the t-distribution table to determine whether this value is significant or not (i.e. is there a significant difference between the mean scores of the two conditions)
- If the value you have calculated is BIGGER than the value in the table, then you must state that your results are SIGNIFICANT (i.e., there is a significant difference between the two condition means) and that $p < .05$.

RECAP: Report structure

• E.g., of results section.

A paired-samples t-test was conducted to determine whether participants were able to recall more white faces than black faces following a period of distraction. The results show that participants recalled significantly more black faces ($M = 3.63$, $SD = 2.91$) than white faces ($M = 2.55$, $SD = 1.82$); $t(19) = 4.11$, $p < .05$. The original hypothesis for this study that participants would recall significantly more white faces must be rejected.

NOTE: THESE ARE NOT THE RESULTS OF YOUR STUDY!!!!

Some additional conventions...

- The following letters are always italicised, and are presented as below (i.e., in lower case or upper case)
 - *M* (upper case)
 - *SD* (upper case)
 - *t* (lower case)
 - *p* (lower case)
- All final numbers/stats must be reported to 2DP

RECAP: Report structure

Using tables and graphs:

When presenting the results of a **t-test**, the descriptive statistics tend to be included within the same sentence as the inferential statistics (not separately as with many other tests). The reason for this is that it is easier to state the direction of the results by including the descriptives in the explanation. You can use a table OR graph if you would like to display descriptives this way, but **ONLY** if this adds to the results section.

RECAP: Report structure

e.g.,

NB 1: If using a table or graph you **MUST** ensure it is labelled appropriately according to APA conventions...

NB 2: graphs must be labelled as **FIGURES**, not graphs...



Figure 1. Graph highlighting mean scores for each condition.

RECAP: Report structure

- Discussion
 - Describe your outcomes – was your hypothesis supported or must it be rejected?
 - Discuss the results of the study in relation to the literature included in the introduction – do your findings match those found previously or do they contradict previous literature?
 - Discuss any other implications of the findings (if applicable)
 - Outline any limitations of the study
 - This can include, but is not limited to, information relating to participants, the design of the study, the materials used etc., plus suggested potential alternatives
 - What could be done to research this problem further? Give an indication of what the next step could be.
 - The discussion is NOT a complete list of why the study was flawed / rubbish!

RECAP: Report structure

- Reference list
 - In APA 6th style
- Appendices
 - What **must** be included:
 - Consent form
 - Debrief information
 - PPT (if possible)
 - Your calculation of t
 - If you hand calculate this on paper, you can submit your calculation as a hard copy – just remember to put your name on it!
 - Submissions that do NOT include this calculation will not be marked.

RECAP: Report structure

- Final reminders:
 - Absolutely NO first person – 'I', 'we', 'our study'.
 - Results are significant or non-significant – NEVER INSIGNIFICANT
 - Use the report writing document, the APA referencing manual and your research methods and stats books to guide you further!