

CBA REPORT

Use the following questions to help guide you with the statements you should include for your CBA report. (Your report should not read as if you are answering questions)

AIM (this should be written up in the future tense)

- What would you like to find out about? What is your hypothesis / claim?
- What type of data are you going to collect (numerical / categorical or both)?
- How are you going to collect this data? (questionnaire / collect from internet etc.)
- How reliable do you think the results will be based on the data you collect? Do you think this is a reliable way to collect data?
- Do you think you will be able to confidently make generalisations about the whole populations based on the data you've collected? In other words, are you confident your sampling method is good / is your sample a good representation of the whole population?
- Are there any limitations in your sampling method?
- Explain why you chose the questions you did. Include any improvements you had to make to your questions / any adjustment you made to make your data more reliable.
- Can you be sure your data will be accurate / truthful? How have you tried to make sure that it will be?
- Are there any other factors that might affect how reliable your data will be?

COLLECTING THE DATA AND PRESENTING THE DATA

- Include a copy of your raw data (excel spreadsheet with only relevant columns)
- Include all your frequency tables
- Work out the mean / median / mode & range where possible. Include all working out.
- Work out percentages from your data. Include all working out.
- Display your data in appropriate graphs (bar charts / pie charts / stem & leaf diagram)

ANALYSIS & CONCLUSION

- Write out all conclusion statements relating to your calculations. E.g. The median time spent on social media for Junior Cycle boys is xxx . ---% of boys did not spend any time on social media. Refer back to your hypothesis. Does your data support / not support your hypothesis?
- Why did you do the calculations you did? (Were there some statistical calculations that would not have been suitable? Why?)
- Do you think your sample is in any way biased? Or one sided?
- Do you think your data was reliable? If not, why not? If yes, why?
- Is there any link between your different pieces of data? Does one piece of data tell you something about another?
- Ideally, how would you have liked to have conducted the survey? Are there other questions you feel you should've asked? Are there other things you feel you should've done? Are there improvements you would make if you were to do the investigation again?
- Could you use your data to make predictions beyond your sample? In other words, could you make any conclusions about the whole population based on your sample?