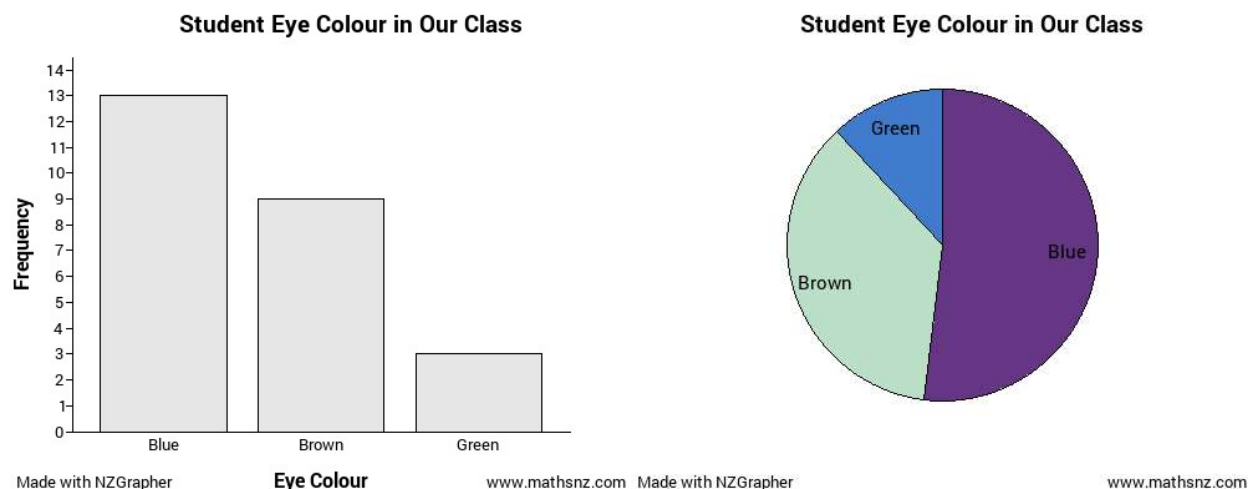


Applying our Findings to Other Situations

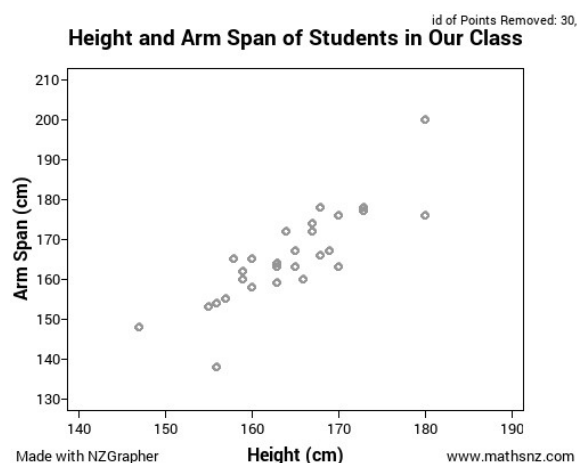
Teachers Note: This is ideally done as a classroom discussion around this, and then looking at how the findings of the investigations you have done can be applied and what situations are appropriate and not appropriate.

So far, we have only been looking at analysing our data, but not really making too many links to other situations. One of the big parts of statistics is making links to other situations and thinking about whether what you have found out can apply to other situations.

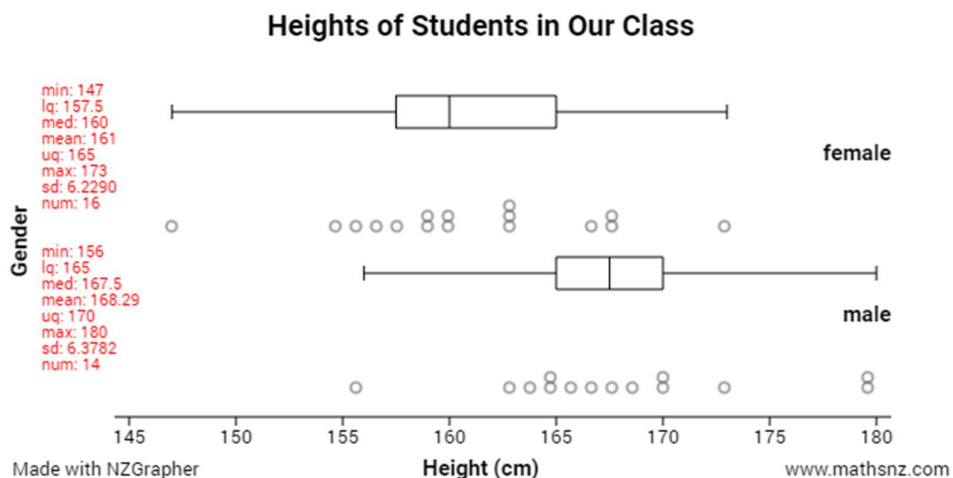
Let's re-look at the investigations we've looked at during these lessons.



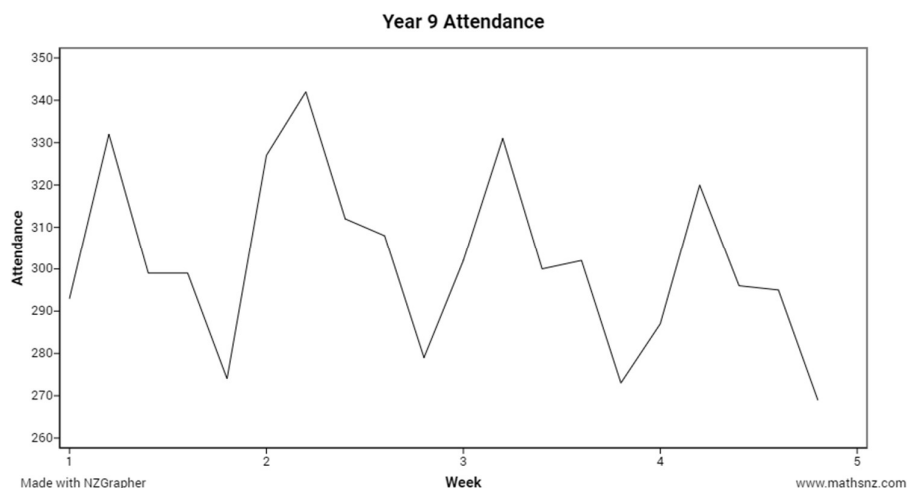
In this investigation, we looked at eye colours of students in our class. We found that more students had blue eyes than brown eyes. This was only for a small number of students in our class though. If we were to look at more people we might find something quite different.



In this investigation, we found that the taller you are the longer your arm span. This is something that is likely to hold true for all people, regardless of their age or ethnicity. So in this case the findings can probably be extended quite well.



In this investigation, we found that the males were taller than the females. This was for a group of Year 9 students, so it probably would be okay to generalise to Year 9 students, but may not be appropriate to extend it to students in other year levels, as males and females grow at different times and different rates.



In this investigation, we found that at this school in Term 2, the attendance was highest on Tuesdays and lowest on Fridays, and was dropping slightly as the term went on. There are several things that could alter this. What happens if there was a public holiday? A school Trip? Do all schools have the same pattern? We need to think about these things before we can apply these findings to the whole year at the school, let alone other schools.