



<http://topdrawer.aamt.edu.au/Statistics/Good-teaching/Data-representation/Linking-graphs-to-data-types/Melbourne-Cup-data>

The Melbourne Cup: Student worksheet

This activity is based on the history of the Melbourne Cup. Look at the following websites to find out information on the history of the Cup and data on variables associated with the race.

<http://www.melbournecup.com/racing/history-of-the-cup>

http://en.wikipedia.org/wiki/List_of_Melbourne_Cup_winners

<http://www.racenet.com.au/mel/default.asp>

Here is a series of questions that can be asked to differentiate the types of data collected for the race and the graphs that would represent them.

1.
 - (a) What are the variables associated with the Melbourne Cup that have numerical values?
 - (b) Which of these variables are measured on scales that have equal sized units?
 - (c) Which types of graphs can be used to represent this type of data?
2.
 - (a) Which are the variables associated with the Melbourne Cup that represent categories where the values are text?
 - (b) What types of graphs can be used to represent this categorical data?
3.
 - (a) Which variable is represented by numbers but does not have a meaningful measurement scale associated with it?
 - (b) What types of graphs can be used to represent this type of data?
4.
 - (a) Which variable is associated with keeping track of time across equally spaced intervals?
 - (b) What types of graphs can be used to represent time series of other variables?

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