

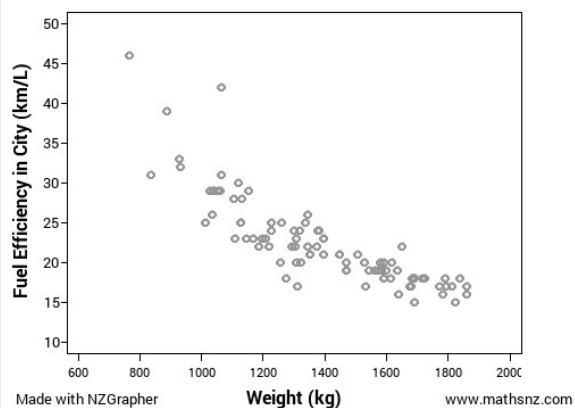
Part 1: Problem

For each of the graphs below write a good relationship question. A question should have:

- Why you are interested in looking at this relationship (i.e. the context).
- What you are trying to find a relationship between.
- What you are planning on predicting (what is on the y-axis).

You should be referencing your context (i.e. research – it doesn't matter how you reference, just that you do... using footnotes is normally easiest). The first one has been done for you.

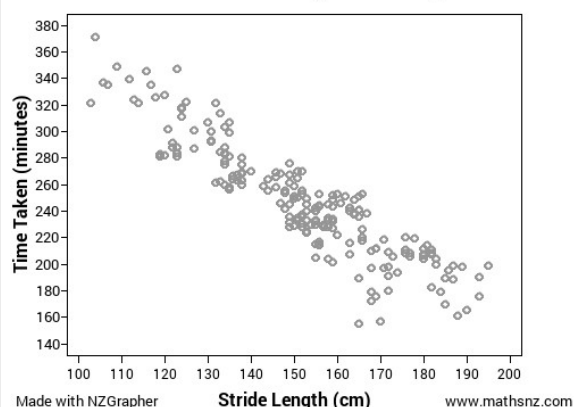
1. Fuel Efficiency by Weight



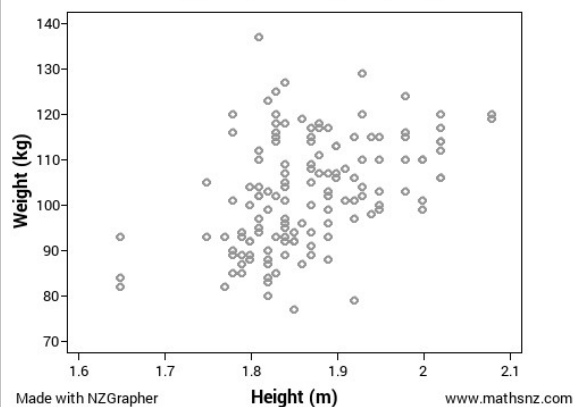
I am looking at buying a car and I have heard that heavy cars use more petrol¹. Therefore I wonder if there is a relationship between the weight of a car and the car's fuel efficiency for the purpose of predicting the fuel efficiency.

1. http://www.theaa.com/motoring_advice/car-buyers-guide/cbg_emissions.html

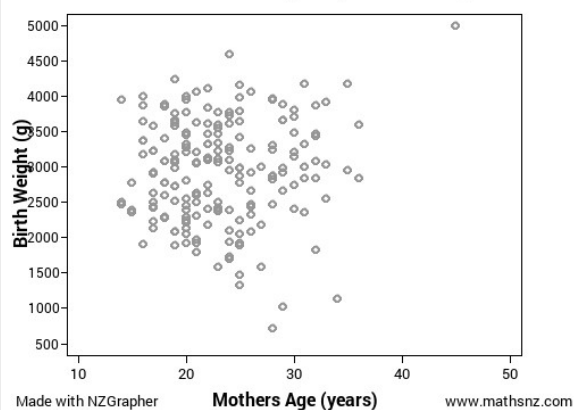
2. Marathon Time by Stride Length



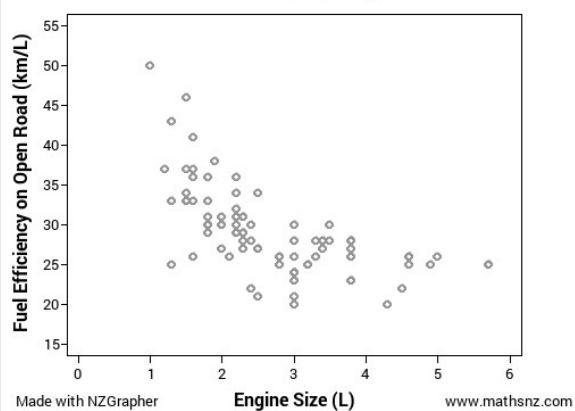
3. Rugby Players Weight by Height



4. Babies Birth Weight by Mother's Age



5. Fuel Efficiency by Engine Size



6. Diamond Price by Size

