

Stat 110: Section 1

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The language of probability

Like the English language, the language of probability has its own nouns, verbs, and adjectives. Confusing these parts of speech will result in “category errors”.

Random variable: A random variable is

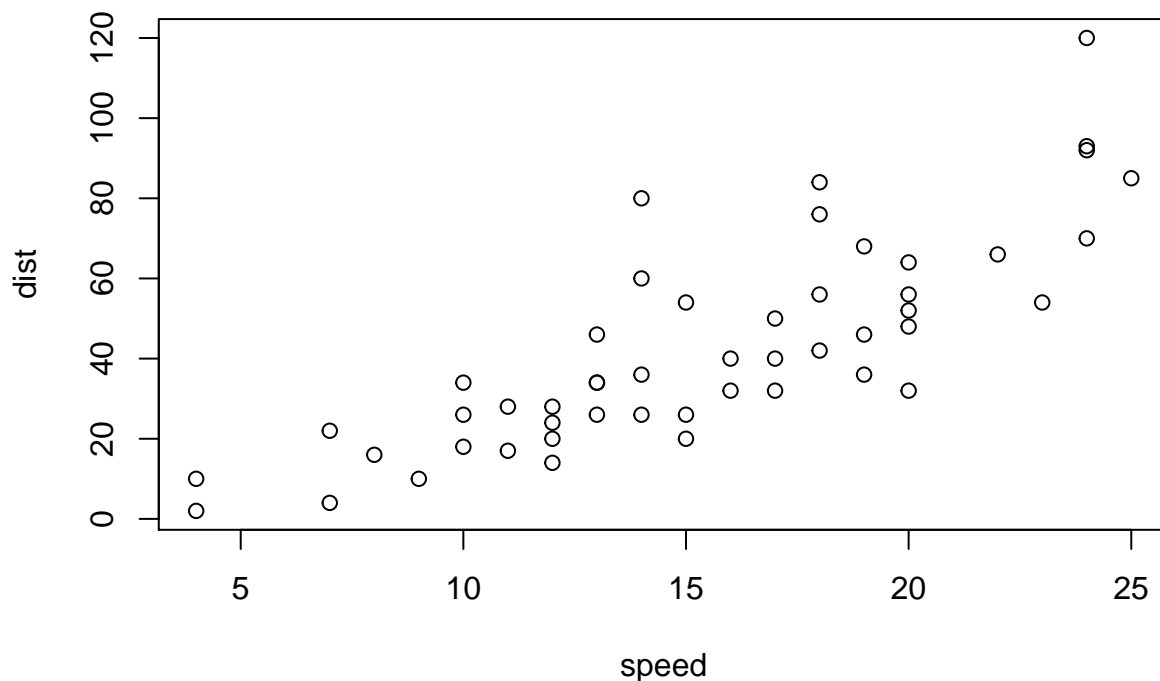
Probability: Probability will always be a value between 0 and 1 that expresses how likely an event will occur out of all possible events in the sample space.

We can simplify a lot of the basics of probability into different sets.

This is an R Markdown Notebook. When you execute code within the notebook, the results appear beneath the code.

Try executing this chunk by clicking the *Run* button within the chunk or by placing your cursor inside it and pressing *Cmd+Shift+Enter*.

```
plot(cars)
```



Add a new chunk by clicking the *Insert Chunk* button on the toolbar or by pressing *Cmd+Option+I*.

When you save the notebook, an HTML file containing the code and output will be saved alongside it (click the *Preview* button or press *Cmd+Shift+K* to preview the HTML file).