Data Visualisation

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Using ggplot2 with org-mode

In order to use ggplot2 with org-mode the header of the source-code blocks need to be very carefully set up:

- you need to specify = :dir ../ =
 - I don't know why, but if another directory is used or this isn't specified it simply does not work
- you need to specify = graphics :file org/PlotName.png = In order to save the plot.

Try setting the following in the header:

```
# Babel settings
#+PROPERTY: session *R*
#+PROPERTY: cache yes
#+PROPERTY: exports both
#+PROPERTY: tangle yes
```

When using ggplot2 with org-babel, you need to use the following header:

```
_SRC R :exports both :results output graphics :file test.png
```

Data Visualisation with ggplot2

This is a course from the Data Visualisation Stream.

First investigate the structure of the data set and load the necessary packages:

```
library(tidyverse)
mtcars %>% str()
```

using RColorBrewer

Create a directory for the plots:

```
n mkdir img/DataVizPlots
```

So the following will produce plot

```
# Plot 1: change the LOESS span
ggplot(mtcars, aes(x = wt, y = mpg)) +
geom_point() +
# Add span below
geom_smooth(se = FALSE, span = 0.7)
```

