A: Anatomy of a notebook / RMarkdown document

YAML header

Headings (h2)

In-line code

Code chunk
- begin ```{r}
- end ```
- options
- run chunk
- run all chunks to here

Output

R Markdown document type

```
---
title: "R Notebook"
output: html_notebook
---

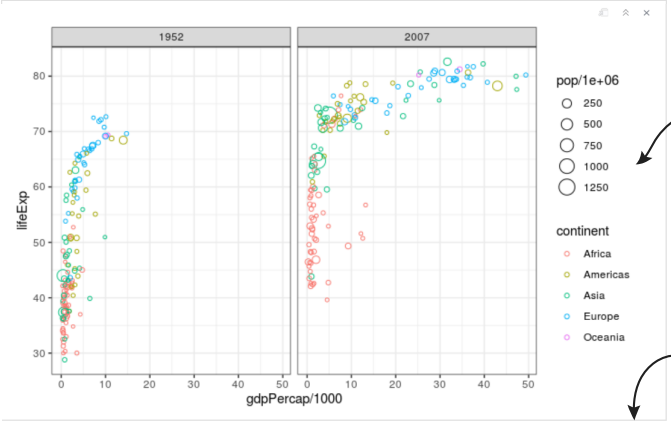
## Aim
To compare global life expectancy between 1952 and 2007.

## Data
*Gapminder* project data.

## Plot the data
This plot nicely shows the distribution of the data. I added a filter to exclude
`r gapminder %>% filter(year == 1952 & gdpPercap > 15000) %>% pull(country)`,
which is an exterme outlier. See here:

```{r}
gapminder %>%
  filter(year == 1952 & gdpPercap > 15000)
```

```{r}
library(gapminder)
library(dplyr)
gapminder %>%
  filter(year == 2007 | year == 1952) %>%
  filter(gdpPercap < 15000) %>%
  ggplot(  aes(x      = gdpPercap/1000, #divide by 1000 to tidy the x-axis
               y      = lifeExp,
               colour = continent,
               size   = pop/1e6)) +
  geom_point(shape = 1) +
  theme_bw() +
  facet_wrap(~year)
```
```



Chunk 2 | R Markdown

B: Rendered preview

R Notebook

Code

Aim

To compare global life expectancy between 1952 and 2007.

Data

Gapminder project data.

Plot the data

This plot nicely shows the distribution of the data. I added a filter to exclude Kuwait, which is an exterme outlier. See here:

Hide

```
gapminder %>%
  filter(year == 1952 & gdpPercap > 15000)
```

Hide

```
library(gapminder)
library(dplyr)
gapminder %>%
  filter(year == 2007 | year == 1952) %>%
  filter(gdpPercap < 60000) %>%
  ggplot(  aes(x      = gdpPercap/1000, #divide by 1000 to tidy the x-axis
               y      = lifeExp,
               colour = continent,
               size   = pop/1e6)) +
  geom_point(shape = 1) +
  theme_bw() +
  facet_wrap(~year)
```