hw01_presentation

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Loading the necessary packages

```
library(gapminder)
library(tibble)
library(dplyr)
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
       filter, lag
##
  The following objects are masked from 'package:base':
##
##
       intersect, setdiff, setequal, union
```

Formatting the preliminary dataset

```
raw_data <- gapminder %>%
  as_tibble()
```

Plotting Canadian life expectancy from 1952 to 2007

- 1. Isolating Columns
- 2. Filtering Data by Rows
- 3. Plot Results

Isolate Country, Life Exp, and Year columns

```
col_data <- raw_data %>%
select(country,year,lifeExp)
```

Isolate Canadian data only

```
refined_data <- col_data %>%
  filter(country=="Canada")
```

Create scatterplot

Note: requires plotrix package.

abline(fit, col="red")
Add R squared value to plot:
rsq <- summary(fit)\$adj.r.squared %>%
 format(digits=3) %>%
 as.character()

rsq_label <- paste("R^2: ",rsq)
plotrix::corner.label(rsq_label)</pre>

Scatterplot output

Canadian Life Expectancy from 1952 to 2007

