p8105_hw1_ts3670

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```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.1
## v ggplot2   3.5.1     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.1
## v purrr     1.0.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(ggplot2)
```

Problem 1

Load the penguins dataset

```
data("penguins", package = "palmerpenguins")
```

Short Discription

The `penguins` shows 8 variables about the information of penguins including `species`, `island`, `bill_length_mm`, `bill_depth_mm`, `flipper_length_mm`, `body_mass_g`, `sex`, `year`. It has 344 rows and 8 columns. The mean of `flipper_length_mm` is 200.9152047.

Scatterpolot and Saving

```
plot_df = ggplot(penguins,  aes(x = bill_length_mm, y = flipper_length_mm, colour =species )) + geom_po
```

```
ggsave("Bill_length_mm vs Flipper_length_mm.jpg", plot = plot_df)
```

```
## Saving 6.5 x 4.5 in image
```

Section 2