

Homework 3 Output

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Loading libraries

```
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    3.5.2      v tibble     3.2.1
v lubridate  1.9.4      v tidyr      1.3.1
v purrr      1.0.4
-- 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
```

```
library(palmerpenguins)
```

Attaching package: 'palmerpenguins'

The following objects are masked from 'package:datasets':

penguins, penguins_raw

Task 1

###Question a: Why `read_csv` cannot be used to read the data.txt file

The function `read_csv()` can only be used to read in files that use the delimiters of commas or tabs. The function `read_csv2()` must be used in files with semicolons as the separator (commas can be used for decimal points).

```
data <- read_csv2('~/.ST558 Repo/Homework3/Data/data.txt',
                  col_names= TRUE)
```

i Using "','" as decimal and "'.'" as grouping mark. Use `read_delim()` for more control.

```
Rows: 2 Columns: 3
```

```
-- Column specification -----
```

```
Delimiter: ";"
```

```
dbl (3): x, y, z
```

i Use `spec()` to retrieve the full column specification for this data.

i Specify the column types or set `show_col_types = FALSE` to quiet this message.

```
data
```

```
# A tibble: 2 x 3
```

```
      x      y      z
  <dbl> <dbl> <dbl>
1     1     2     3
2     5     3     8
```

###Question b: Reading in 2nd file

In this file, "6" is the delimiter.

```
data_2 <- read_delim('~/.ST558 Repo/Homework3/Data/data2.txt',
                    delim = '6',
                    col_types= 'fdc')
```

```
data_2
```

```
# A tibble: 3 x 3
```

```
      x      y z
  <fct> <dbl> <chr>
1 1      2 3
2 5      3 8
3 7      4 2
```