In-class Assignment 6

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4.2.5 Q1

```r
my_data <- data.frame(word = c('one', 'two', NA, 'four', 'five'),
                      number = c(1, NA, 3, 4, 5),
                      letter = c('a', 'b', 'c', 'd', 'e'))
```

```r
setwd("C:/Users/as345/2182/2182")
if (!dir.exists('my_data')) {
  dir.create("my_data")
}

library(readr)
write_csv(my_data, 'my_data/my_data_no_name.csv', col_names = F)
```

4.2.5 Q2

```r
write_delim(my_data, 'my_data/my_data_na.csv', delim = '#', na = '999')
```

4.3.6 Q1

```r
my_data <- read_delim('my_data/my_data_na.csv', delim = '#', na = '999')
```

```
## Rows: 5 Columns: 3
## -- Column specification ---------------------------------------------------
## Delimiter: "#"
## chr (2): word, letter
## dbl (1): number
##
## 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.
```

```r
my_data
```

```
## # A tibble: 5 x 3
##   word  number letter
##   <chr>  <dbl> <chr>
## 1 one        1 a
## 2 two       NA b
## 3 <NA>       3 c
## 4 four       4 d
## 5 five       5 e
```

4.3.6 Q2

The column names should be X1, X2, and X3, because of the argument col_names = FALSE which tells the first row is not the column names and thus automatically assign default column names.

```
d1 <- read_csv("x,y,z
        1,3,5
        2,4,6", col_names = FALSE)
```

```
## Rows: 3 Columns: 3
## -- Column specification -------------------------------------------------------
## Delimiter: ","
## chr (3): X1, X2, X3
##
## 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.
```

```
d1
```

```
## # A tibble: 3 x 3
##   X1    X2    X3
##   <chr> <chr> <chr>
## 1 x     y     z
## 2 1     3     5
## 3 2     4     6
```

4.3.6 Q3

There will be only one column named The first line since R will assume the first line is the column names and since the default delimiter is , it will read the entire first line as just 1 string.

```
d1 <- read_csv("The first line
        The second line
        The third line
        x,y,z
        1,3,5")
```

```
## Warning: One or more parsing issues, call `problems()` on your data frame for details,
## e.g.:
##   dat <- vroom(...)
##   problems(dat)
```

```
## Rows: 4 Columns: 1
## -- Column specification --------------------------------------------------------
## Delimiter: ","
## chr (1): The first line
##
## 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.
```

d1

```
## # A tibble: 4 x 1
##   `The first line`
##   <chr>
## 1 The second line
## 2 The third line
## 3 x,y,z
## 4 1,3,5
```