

Week 1 Solutions

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R Markdown

This week you had to answer two questions:

- 1) What is the maximum `Sepal.Length`? What units is it in? (Hint: look at the help file for the dataset again.)
- 2) How many rows are there total in the iris dataset?

Maximum Sepal Length

First we load in the `iris` data. Then we call `summary()`.

```
data(iris)
```

```
summary(iris)
```

```
##   Sepal.Length   Sepal.Width   Petal.Length   Petal.Width
##   Min.    :4.300   Min.    :2.000   Min.    :1.000   Min.    :0.100
##   1st Qu.:5.100   1st Qu.:2.800   1st Qu.:1.600   1st Qu.:0.300
##   Median :5.800   Median :3.000   Median :4.350   Median :1.300
##   Mean   :5.843   Mean   :3.057   Mean   :3.758   Mean   :1.199
##   3rd Qu.:6.400   3rd Qu.:3.300   3rd Qu.:5.100   3rd Qu.:1.800
##   Max.    :7.900   Max.    :4.400   Max.    :6.900   Max.    :2.500
##      Species
##   setosa    :50
##   versicolor:50
##   virginica :50
##
##
##
```

Looking at the summary data, we notice that one of the values under the `Sepal.Length` column is “Max.” This value is 7.9 centimeters (units can be found by using `?iris`)

Number of Rows in the Data

This can be found by using `nrow()`.

```
nrow(iris)
```

```
## [1] 150
```

By running this command, we find that `iris` has 150 rows.