

# Pop Quiz

Please complete the following

Assume that you have the following packages loaded:

```
library('kableExtra')
library('tidyverse')
library('caret')

# Output function for printing to pdf
tbl_out = function(df, rows = 10){
  head(df, rows) %>%
    kable() %>%
    kable_styling()
}
```

Given the iris data set (first 10 rows shown below):

```
dat = iris %>% as_tibble()
tbl_out(dat)
```

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa
4.6	3.4	1.4	0.3	setosa
5.0	3.4	1.5	0.2	setosa
4.4	2.9	1.4	0.2	setosa
4.9	3.1	1.5	0.1	setosa

In words, describe what you would expect this to return:

```
dat %>%  
  sample_n(nrow(dat)) %>%  
  tbl_out()
```

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Assuming your data is “clean” and your EDA has been accomplished. What steps would you take to get your data prepared for a classification algorithm?

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Show the rough code you would use to get your data ready and then train a model using `caret` and show how you would analyze and look at the results. -

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