

Module 2, Assignment 1

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5.

```
## [1] NA
```

6.

```
## [1] 64.94737
```

7.

```
## [1] 68 61 70 61 59
```

8.

```
## [1] "cat" "rat" "bat" "hat"
```

10.

```
## # A tibble: 6 x 11
##   group_id paddle_id length_in width_in depth_in spines insects damage location
##   <dbl>     <dbl>     <dbl>   <dbl>   <dbl> <chr>   <chr>   <chr>   <chr>
## 1         1         5         1         1     0.5  N      N      Most   Sixth
## 2         1         4         2         1     0.3  N      N      None   Eighth
## 3         3         7         2         1    0.125 Y      N      None   Sixth
## 4         2         9         2         3     0.5  N      N      All    Seventh
## 5         7         9        2.5        2.5    0.5  Y      Y      None   Fifth
## 6         3         8        3.5        2.5    0.25 N      Y      All    Third
## # ... with 2 more variables: species <chr>, size <chr>
```

11.

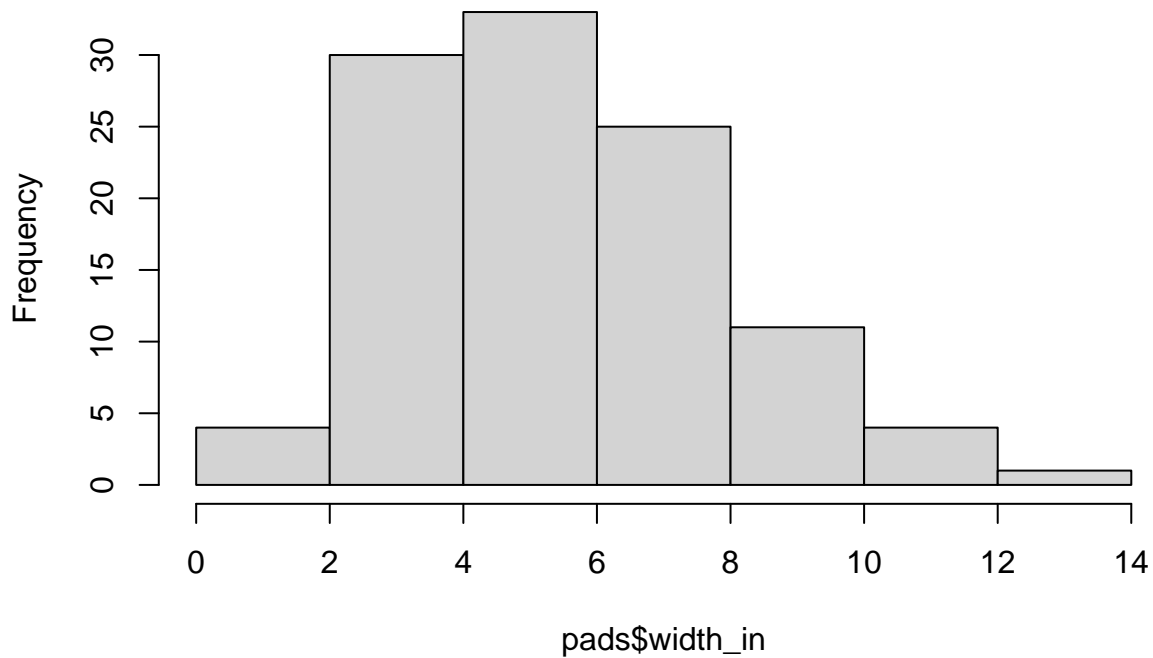
```
## [1] 0.50625
```

12.

```
## [1] 0.5
```

13.

Histogram of pads\$width_in



16.

```
## # A tibble: 60 x 11
##   group_id paddle_id length_in width_in depth_in spines insects damage location
##   <dbl>     <dbl>   <dbl>   <dbl>   <dbl> <chr>   <chr>   <chr>   <chr>
## 1       1         5       1       1     0.5   N       N       Most   Sixth
## 2       1         4       2       1     0.3   N       N       None    Eighth
## 3       3         7       2       1    0.125 Y       N       None    Sixth
## 4       2         9       2       3     0.5   N       N       All     Seventh
## 5       3         8     3.5     2.5   0.25  N       Y       All     Third
## 6       1         3       5       1.5   0.5   N       N       None    Fourth
## 7       1         1     5.5     2.5   0.5   N       N       None    Eighth
## 8       2         8       6       3     0.75  N       N       Some    Second
## 9       1        10       7       4     0.5   N       N       None    Fifth
## 10      3        10       7     5.5     1     N       Y       All     First
## # ... with 50 more rows, and 2 more variables: species <chr>, size <chr>
```

```
## # A tibble: 10 x 11
##   group_id paddle_id length_in width_in depth_in spines insects damage location
##   <dbl>     <dbl>   <dbl>   <dbl>   <dbl> <chr>   <chr>   <chr>   <chr>
## 1       7         9     2.5     2.5     0.5   Y       Y       None    Fifth
## 2       7         4       4     3.75     0.5   Y       Y       Some    Sixth
## 3       7         5       4     3.8     0.25  Y       Y       None    Fifth
## 4       7         8       4     3.8     0.5   Y       Y       Some    Fifth
## 5       7        10       4     3.5     0.25  Y       Y       Most    First
## 6       7         2     4.25     3.5     0.25  Y       Y       None    Seventh
## 7       7         1     4.5     4.5     0.25  Y       Y       Some    Seventh
## 8       7         6       5       4     0.25  Y       Y       None    Third
```

```
## 9      7      7      5      4.5      0.5 Y      Y      Some Sixth
## 10     7      3      7.5     5      0.75 Y      Y      Some Fourth
## # ... with 2 more variables: species <chr>, size <chr>
```

17.

```
## [1] 8.654167
```

```
## [1] 4.475
```

18.

```
## [1] 2.641781
```

```
## [1] 1.271755
```

19.

```
## [1] 30.52612
```

```
## [1] 28.41911
```