

Module 1 Assignment 3

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1.

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

2.

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

3.

```
## [1] 63 60 65 NA 61 61 59 64 63 63 65 64 63 65
```

4.

```
## [1] "Mystery" "Hazel" "Spud" "Pancho"
```

5.

```
## [1] "Spud"
```

6.

```
## [1] "Spud"
```

8.

```
##   group_id                                     group_members
## 1         1 Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 2         1 Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 3         1 Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 4         1 Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 5         1 Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 6         2                                Zach, Britsy, Riley, Woods
##   temp_C      species  size paddle_id length_in width_in depth_in
## 1     40 Opuntia ficus-indica Large         1      9.00      2.50      0.25
## 2     40 Opuntia ficus-indica Large         2     10.00      6.00      0.25
## 3     40 Opuntia ficus-indica Large         3      8.00      4.00      0.25
## 4     40 Opuntia ficus-indica Large         4     11.00      6.00      0.25
## 5     40 Opuntia ficus-indica Large         5      7.00      4.50      0.50
```

```
## 6      40  Opuntia santa-rita Large      1      3.75      3.75      0.50
##  spines insects damage location
## 1      N      N      None      Seventh
## 2      N      N      None      Sixth
## 3      N      N      None      Third
## 4      N      N      Some      Fifth
## 5      N      N      Some      Fourth
## 6      N      N      None      Eighth
```

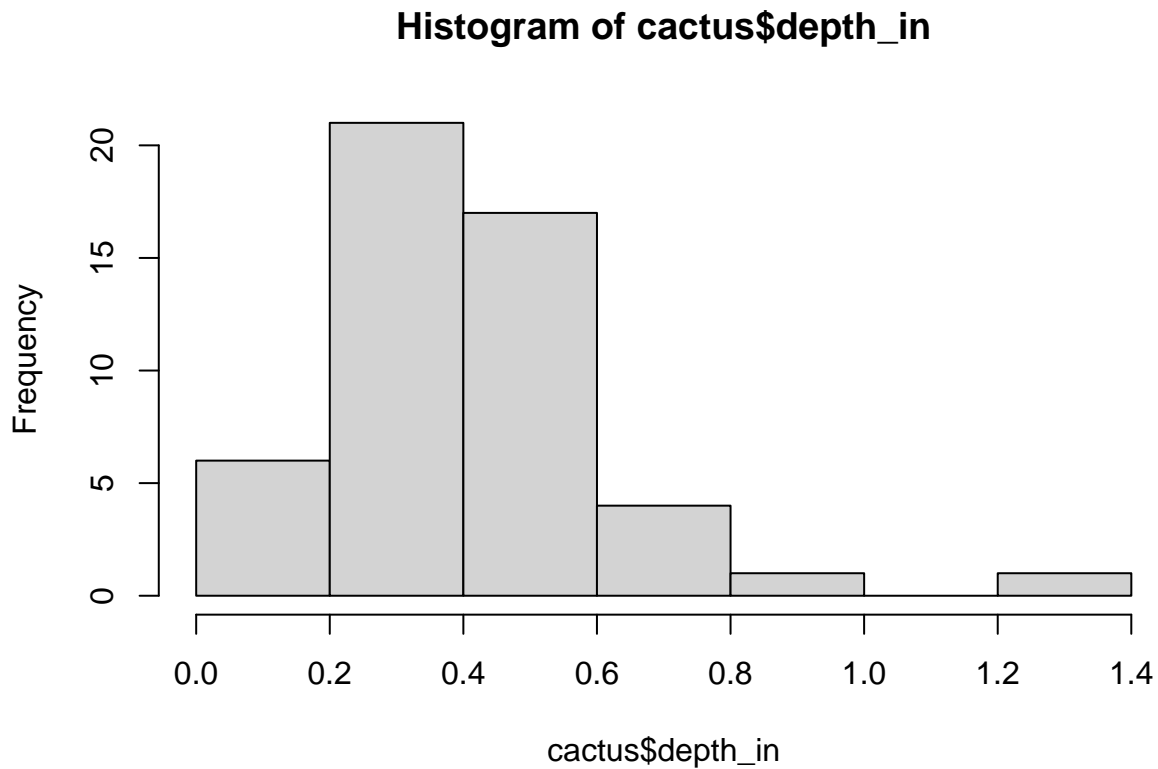
9.

```
## [1] 7.923
```

10.

```
## [1] 7.9
```

11.



13.

```
## [1] 0.250 0.250 0.250 0.250 0.500 0.500 0.600 0.700 0.500 0.600 0.500 0.375
## [13] 0.250 0.375 0.125 0.625 0.250 0.250 0.250 0.250 0.250 0.250 0.250 0.250
## [25] 0.165 0.250 1.250 0.500 0.200 0.500 0.600 0.300 0.500 1.000 0.500 0.500
## [37] 0.500 0.750 0.500
```

14. Just a note that I am printing the first 10 rows of each data frame, not necessarily the entire thing, to include in the answer key.

##	group_id	group_members
## 1	1	Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 2	1	Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 3	1	Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 4	1	Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 5	1	Jaelyn Dennis, Katharine Cole, Jose Rodriguez, Rheanna Fernandez
## 11	3	Joseph Pasilis, Mathew Wray, and Andy Alarcon
## 12	3	Joseph Pasilis, Mathew Wray, and Andy Alarcon
## 13	3	Joseph Pasilis, Mathew Wray, and Andy Alarcon
## 14	3	Joseph Pasilis, Mathew Wray, and Andy Alarcon
## 15	3	Joseph Pasilis, Mathew Wray, and Andy Alarcon

##	temp_C	species	size	paddle_id	length_in	width_in	depth_in
## 1	40	Opuntia ficus-indica	Large	1	9.0	2.5	0.25
## 2	40	Opuntia ficus-indica	Large	2	10.0	6.0	0.25
## 3	40	Opuntia ficus-indica	Large	3	8.0	4.0	0.25
## 4	40	Opuntia ficus-indica	Large	4	11.0	6.0	0.25
## 5	40	Opuntia ficus-indica	Large	5	7.0	4.5	0.50
## 11	40	Opuntia ficus-indica	Small	1	8.0	2.0	0.60
## 12	40	Opuntia ficus-indica	Small	2	5.6	2.2	0.70
## 13	40	Opuntia ficus-indica	Small	3	8.2	3.2	0.50
## 14	40	Opuntia ficus-indica	Small	4	5.5	3.4	0.60
## 15	40	Opuntia ficus-indica	Small	5	4.3	1.6	0.50

##	spines	insects	damage	location
## 1	N	N	None	Seventh
## 2	N	N	None	Sixth
## 3	N	N	None	Third
## 4	N	N	Some	Fifth
## 5	N	N	Some	Fourth
## 11	N	N	Some	First
## 12	N	N	Some	Second
## 13	N	N	Some	Third
## 14	N	N	Some	First
## 15	N	N	Some	Second

##	group_id	group_members	temp_C	species
## 6	2	Zach, Britsy, Riley, Woods	40	Opuntia santa-rita
## 7	2	Zach, Britsy, Riley, Woods	40	Opuntia santa-rita
## 8	2	Zach, Britsy, Riley, Woods	40	Opuntia santa-rita
## 9	2	Zach, Britsy, Riley, Woods	40	Opuntia santa-rita
## 10	2	Zach, Britsy, Riley, Woods	40	Opuntia santa-rita
## 31	7	August Walser, Miles Solis, Tanner Skaare	40	Opuntia santa-rita
## 32	7	August Walser, Miles Solis, Tanner Skaare	40	Opuntia santa-rita
## 33	7	August Walser, Miles Solis, Tanner Skaare	40	Opuntia santa-rita
## 34	7	August Walser, Miles Solis, Tanner Skaare	40	Opuntia santa-rita
## 35	7	August Walser, Miles Solis, Tanner Skaare	40	Opuntia santa-rita

##	size	paddle_id	length_in	width_in	depth_in	spines	insects	damage	location
## 6	Large	1	3.75	3.75	0.50	N	N	None	Eigth
## 7	Large	2	5.25	4.50	0.50	Y	N	Some	Third
## 8	Large	3	7.75	5.50	0.33	Y	N	Some	Fifth
## 9	Large	4	3.00	2.75	0.50	Y	N	None	Seventh
## 10	Large	5	3.25	3.00	0.75	Y	N	Most	Fourth
## 31	Large	1	6.50	5.00	0.20	Y	N	Some	Fourth
## 32	Large	2	9.50	5.00	0.30	Y	N	None	Third
## 33	Large	3	7.00	5.00	0.30	Y	N	Some	Second

## 34 Large	4	5.50	5.50	0.30	Y	N	None	First
## 35 Large	5	7.50	6.00	0.20	Y	N	None	Fifth

15.

[1] 4.404375

[1] 4.6

16.

[1] 1.920102

[1] 1.094177