

Heather Siart
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ECO-602 Environmental Data Analysis
Partners: N/A

WEEK 6 READING QUESTION

Q1: A brief baseline scenario regarding seed predation would be looking at the amount of times a critter would come and take a seed depending on the seed species. You can set-up situations of having an even amount of seeds laid out and seeing how many are taken in total. You can do a single species of seed and see how many are taken of each species.

Q2: `rm(list = ls())`

```
pol_n_predation = 26
```

```
pol_n_no_predation = 184
```

```
pol_n_total = 210
```

```
pol_predation_rate = 0.124
```

```
psd_n_predation = 25
```

```
psd_n_no_predation = 706
```

```
psd_n_total = 731
```

```
psd_predation_rate = 0.034
```

```
print(
```

```
  paste0(
```

```
    "The seed predation rate for Polyscias fulva is: ",
```

```
    round(pol_predation_rate, digits = 3)))
```

```
print(
```

```
  paste0(
```

```
    "The seed predation rate for Pseudospondias microcarpa is: ",
```

```
    round(psd_predation_rate, digits = 3)))
```

Q3:

Species	Polyscias fulva (pol)	Pseudospondias microcarpa (psd)
Any taken	26	25
None taken	184	706
N	210	731
Predation Rate	0.124	0.034

Q4: $210 / 26 = 8.077$

$210 / 184 = 1.141$

$731 / 25 = 29.24$

$731 / 706 = 1.035$