- 1. In a short paragraph, describe a baseline scenario regarding seed predation. At the end, state the null hypothesis for seed predation.
 - a. In this case, the baseline scenario regarding seed predation is a dataset showing the rate at which seeds from two species (polyscias fulva and pseudospondias microcarpa) were taken (presumed to be a result of seed predation), t, and the total number of seeds observed, N. The null hypothesis is that there is no difference in the predation rates of the two species.
- 2. Paste the R code you used to complete the table and calculate the rates.

```
rm(list = ls())
pol_n_predation = 26
pol n no predation = 184
pol_n_{total} = 210
pol_predation_rate = (pol_n_predation / pol_n_total)
psd_n_predation = 25
psd_n_no_predation = 706
psd n total = 731
psd_predation_rate = (psd_n_predation / psd_n_total)
print(
 paste0(
       "The seed predation rate for Polyscias fulva is: ",
       round(pol predation rate, digits = 3)
)
print(
 paste0(
       "The seed predation rate for Pseudospondias mocrocarpa is: ",
       round(psd_predation_rate, digits = 3)
)
```

3. Create a table and fill in the missing values:

species	Polyscias fulva (pol)	Pseudospondias microcarpa (psd)
Any taken	26	25
None taken	184	706
N	210	731
Predation rate	.124	.034

- 4. Use the seed predation proportions you calculated to determine the ratio of seed predation proportions.
 - a. In this case, the predation proportion would be pol_predation_rate / psd_predation_rate, or .124/.034 = 3.62. In this case, I used psd as the denominator as it is the second column in the table/in the book it is labeled at t2 and N2.