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Week 6 Reading Questions

1. The baseline scenario for the analysis of seed predation would claim that there is an equal probability of predation for each of the seed species. From that, the null hypothesis would state there is no difference in predation between the two species.
2. rm(list = ls())

pol\_n\_predation = 26

pol\_n\_no\_predation = 184

pol\_n\_total = (pol\_n\_predation + pol\_n\_no\_predation)

pol\_predation\_rate = (pol\_n\_predation/pol\_n\_total)

psd\_n\_predation = 25

psd\_n\_no\_predation = 706

psd\_n\_total = (psd\_n\_predation + psd\_n\_no\_predation)

psd\_predation\_rate = (psd\_n\_predation/psd\_n\_total)

print(

paste0("The seed predation rate for Polysycias fulva is: ",

round(pol\_predation\_rate, digits=3)))

print(

paste0("The seed predation rate for Pseudospondias microcarpa is ",

round(psd\_predation\_rate, digits=3)))

1. A screenshot of a computer

   Description automatically generated with medium confidence
2. predation\_ratio=(pol\_predation\_rate/psd\_predation\_rate)

The ratio of seed predation proportions is 3.62