Keegan Moynahan

Week 6 Reading Questions

1. The baseline scenario in the seed predation rates is that there isn’t a noticeable difference between predation rates in the two different seed types. The null hypothesis is that there is a difference in seed predation rates.

Graphical user interface, text, table

Description automatically generated

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

print(

paste0(

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

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

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 Pseudospondias microcarpa is: ",

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



Table

Description automatically generated with medium confidence

1. The ratio of seed prediation proportions is 3.62

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

print(

paste0(

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

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

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 Pseudospondias microcarpa is: ",

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

ratio\_seed\_predation\_prop = pol\_predation\_rate/psd\_predation\_rate

print(

paste0(

"The ratio of seed predation proportion is: ",

round(ratio\_seed\_predation\_prop, digits = 3)))