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Reading Questions 6

I did not work with other students

Q1. There are two species of plants, each producing a seed – one large, one big – in Kibale National Park. There are observation stations in the park where these seeds exist, and are counted by observers. The seeds are disappearing as (probably) seed predators take them. The baseline scenario is that both species are sought after by predators, and although they are different masses and exist in different quantities, there is no difference between the rate of disappearance for each species. The null hypothesis is that there is no difference in predation rate between the species.

Q2.

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

Q3.

Species Any taken None taken N predation rate

Polyscias fulva (pol) 26 184 210 0.124

Pseudospondias microcarpa (psd) 25 706 731 0.034

Q4 ratio\_pred=pol\_predation\_rate/psd\_predation\_rate