Reading questions 6

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Q1: The data quantifies how man y times seeds of two different species (pol and psd) disappeared/were eaten by predators. Seeds were offered at observation stations were they were taken. In total there were N = 210 pol and N = 731 psd. The question they ask is: Is there differential predation on the seeds on these two species?
The null hypothesis would be: There is no difference in the predation rate on the seeds between the two species.

Q2:

```
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 = 732
  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 microcarpa is: ",
    round(psd_predation_rate, digits = 3)))
```

Q3:

species	Ant taken	None taken	N	Predation rate
Polyscias fulva (pol)	26	184	210	124
Pseudospondias micocarpa (psd)	25	706	731	34

Q4:
The predation proportion rate is 3.625143.

```
#calculate ratio of seed predation proportions
pol_predation_rate/psd_predation_rate
```