

IT24100185.R x

Source on Save

```
1 setwd("//Users//Pamindith//Documents//R")
2
3
4
5 # H0: All snack types are chosen with equal probability.
6 # H1: At least one snack type is chosen with a different probability.
7
8 pbserved <- c(120, 95, 85, 100)
9
10
11 prob <- c(0.25, 0.25, 0.25, 0.25)
12
13 test_result <- chisq.test(x = observed, p = prob)
14
15 print(test_result)
16
17 # At  $\alpha = 0.05$ :
18 # p-value  $\approx 0.089 > 0.05 \rightarrow$  Fail to reject H0
19 # Conclusion:
20 # There is no significant difference among the snack type choices.
21 # Customers appear to choose snacks equally.
```

8:1 (Top Level)

Console Terminal Background Jobs x

R 4.5.1 · C:/Users/Yenula/Downloads/

> observed <- c(120, 95, 85, 100)

>

>

> prob <- c(0.25, 0.25, 0.25, 0.25)

>

> test_result <- chisq.test(x = observed, p = prob)

>

> print(test_result)

Chi-squared test for given probabilities

data: observed

X-squared = 6.5, df = 3, p-value = 0.08966

> |