IT24101601

PS – LAB – 10

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```
>
> # 1.
>
> # observed counts for each snack type
> observed <- c(120, 95, 85, 100)
>
> # expected probabilities
> expected_probs <- rep(1/4, 4)
>
> # perform the chi-squared test
> chi_test <- chisq.test(observed, p = expected_probs)
>
> # print the results
> chi_test

        Chi-squared test for given probabilities

data:  observed
X-squared = 6.5, df = 3, p-value = 0.08966

>
> # 3.
>
> # Chi-squared test x squared = 6.5
> # Degrees of the freedom = 3
> # p - values = 0.08966
>
> # The p value is greater than 0.05 therefore we fail to reject the null hypthoesis
>
```