IT24103913

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Probability and Statistics - IT2120

Lab sheet 10

Exercise

1.

I. Null hypothesis (H₀): Customers choose all four snack types with equal probability

Alternative hypothesis (H₁): Customers do not choose all four snack types with equal probability.

ii.

iii. If the p-value $< 0.05 \rightarrow$ reject H₀ (snack choices are not equally likely).

If the p-value $\geq 0.05 \rightarrow \text{fail}$ to reject H₀ (no evidence against equal preference).