## IT24103994

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# **Probability and Statistics - IT2120**

#### Lab sheet 10

## **Exercise**

1.

I. Null hypothesis (H<sub>0</sub>): Customers choose all four snack types with equal probability

Alternative hypothesis  $(H_1)$ : Customers do not choose all four snack types with equal probability.

## ii.

iii. If the p-value  $< 0.05 \rightarrow$  reject H<sub>0</sub> (snack choices are not equally likely).

If the p-value  $\geq 0.05 \rightarrow \text{fail}$  to reject H<sub>0</sub> (no evidence against equal preference).