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 Null Hypothesis (H₀): Customers come equally each weekday.

 Alternative Hypothesis (H₁): Customers do not come equally each weekday.

 If p-value < 0.05, reject H₀ → not equal.

 If p-value > 0.05, fail to reject H₀ → equal number of customers.

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Exercise

1.  **H₀ (null):** Customers choose the four snack types A, B, C, D with equal probability .
2.  **H₁ (alternative):** Customers do **not** choose the four snack types equally.

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iii. Conclusion (based on the example result)

* Since p ≈ 0.5724 > 0.05, we fail to reject H₀ at the 5% significance level.
* Conclusion: There is no statistically significant evidence that customers choose the four snack types unequally — the data are consistent with equal preference across A, B, C, and D (for the example counts).