CLASS Chi-Squared FRQ’s 2021

1. Are Monta Vista students’ birthdays equally distributed among the four seasons?
2. Will you test goodness-of-fit, homogeneity, or independence?
3. State the hypotheses.
4. Gather data from class.
5. Check the conditions.
6. Find expected counts, , degrees of freedom and p-value. Draw model and label p region.
7. State your conclusion. Remember context!
8. Find standardized residuals and comments at least two specific values, considering magnitude and sign.

|  |  |
| --- | --- |
| Season | Observed |
| Fall |  |
| Winter |  |
| Spring |  |
| Summer |  |

1. Is there an association between gender and having a driver’s license?
2. Will you test goodness-of-fit, homogeneity, or independence?
3. State the hypotheses.
4. Gather data from the class.
5. Check conditions.
6. Find expected counts, , degrees of freedom and p-value. Draw model and label p region.
7. State your conclusion. Remember context.
8. Find standardized residuals and comments at least two specific values, considering magnitude and sign.

|  |  |  |
| --- | --- | --- |
|  | Yes DL | No DL |
| Only child |  |  |
| 1 Sibling |  |  |
| More than 1 sibling |  |  |