1. Is there a connection between the award preference of Stat 113 students and which type of computer they use? Use the data located in **Stat113Spring2019.csv** to address this research question.
2. State the appropriate hypotheses, check the conditions, report the test statistic, degrees of freedom and p-value, reach a decision and give a conclusion within the context of the problem.

1. Provide a brief summary of the analysis using the top contributors to the chi-square statistic to provide justification.
2. Earlier in the semester we estimated the proportion of cats that are “left-pawed” based on data from a study published in *Animal Behavior*. The study used a random sample of 42 cats and recorded which paw the cat used to retrieve a treat. In addition to the paw used, the experimenters also recorded whether the cat was a male or a female. The data are saved in **CatPaws.csv**.

|  |  |  |
| --- | --- | --- |
|  | Left Pawed | Right Pawed |
| Male | 19 | 2 |
| Female | 1 | 20 |

1. Test whether there are statistically significant differences in “pawedness” in male and female cats. State the appropriate hypothesis, check the conditions, report the test statistic, degrees of freedom and p-value, reach a decision and give a conclusion within the context of the problem.

1. Provide a brief summary of the analysis using the top contributors to the chi-square statistic to provide justification.