

Lab Report: Chi-Square Goodness-of-Fit

Name(s):

Data

What random sampling method did you use and why did you use such a method?

Record the sample data:

Month	Frequency
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

Hypotheses

- State the claim that you are testing.
 -
- State the null and alternative hypotheses.
 - H_0 :
 - H_a :
- Is this a right-tailed, left-tailed, or two-tailed test?

○

Goodness-of-Fit Test

Interpretation

Decision on Null Hypothesis

Conclusion

Discussion

- 1.
2. The chi-square goodness-of-fit test statistic measures _____.
 - a. When observed and expected values are close, χ^2 is _____ and p-value is _____.
 - b. When observed and expected values are far apart, χ^2 is _____ and p-value is _____.