Final Report

Introduction

The dataset used in this report is collected from a class of math students in secondary school. The data collected varies from a wide range of attributes, specifically 33 attributes. The attributes used in the research are ‘absences’ and ‘famrel’. ‘Absences’ is the number of absences reported and ‘famrel’ is the quality of family relationship a student reports to have ranging from 1 (very bad) to 5 (excellent). The research question extrapolated from this dataset was ‘Is there a difference in the mean number of school absences between students who report different quality of family relationships (1 very bad - 5 excellent)?’.

The null hypothesis of the research question was that ‘there is no difference in the mean number of school absences between students who report different quality of family relationships (1 very bad - 5 excellent)’. The alternative hypothesis was that ‘there is a difference in the mean number of school absences between students who report different quality of family relationships (1 very bad - 5 excellent)’.

Visualization

Analysis

Conclusion