

E-Report: Demographic Dataset

Health Literacy differs for every socioeconomic class whether it's the lack of education or awareness. We hypothesize that the lower class will have the lowest health literacy score. A bar chart was used to visualize the amount of population per socioeconomic class in terms of their health literacy score, and Pearson's Chi-squared test was conducted to determine the significance of the data to each other.

Key Results and Figures

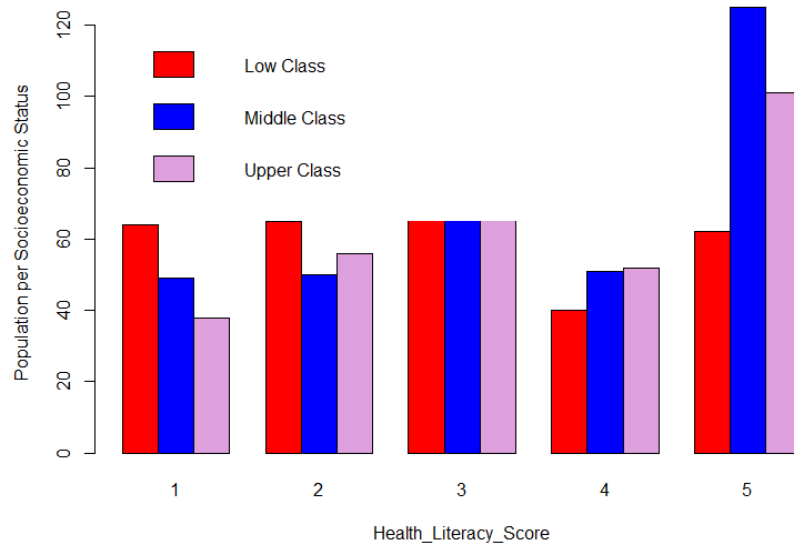


Figure 1.0 Bar Chart of the Health Literacy Score of every population of Socioeconomic Class

An χ^2 of 35.406 was observed, and this will determine if there's an association between the two variables and a p-value of 0.00002255. The chart shows that the middle class has the biggest population with the highest literacy score while the lower class has the biggest population with the lowest literacy score.

Interpretation and Conclusion

With a χ^2 of 35.406 it shows that there is a significant relationship between the two variables and are not independent with p-value of 0.00002255 that is small signify that we can reject the null hypothesis which assumes that there is no relationship between the two variables. The chart proves the need for better awareness in terms of health-related topics among the lower class as they have the lowest literacy score among the other two classes. With this data, we can determine which socioeconomic class needs further awareness in terms of health-related topics.