

Abstract:

This project uses various of statistical and machine learning methods to analyze the Hemingway *Measure of Adult Connectedness*[®] survey responses from student outcomes of those who have previously participated in Boy With A Ball (BWAB) to those who have not. Furthermore, using linear regression, decision tree, random forest, and logistic regression are utilized to seek which questions impacted whether a student participated before or not. All these methods are compared to identify the most meaningful questions as those with the smallest error in each method. Meanwhile, the results are explained in the psychological aspect of the importance of the connectedness.

Keywords: connectedness, method, regression, psychological

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