somo

by Somo Somo

Regression Analysis

Student's Name

Institutional Affiliations

Date

Regression Analysis

Regression analysis represents dependent and independent variables where one uses statistical knowledge to determine the relationship between the two variables (Darlington, & Hayes, 2016). I want to carry out a regression analysis to determine the relationship between the quantities or the quality of food that I take and the change in body weight. In this regression analysis, the quantity of food that I eat represents the independent variable. In the regression equation, it will be represented by the letter x.

The change in body weight is the dependent variable. The dependent variable will be represented by the letter y in the regression equation. The quantity of food I take is the independent variable of the equation because it affects the dependent variable's outcomes or the body weight. By carrying out regression analysis, on the effect on the quantity of food that I take on my body weight, I would regulate my eating habits.

The regression analysis will help me determine the quantity of food I would take to maintain body fitness. Additionally, the regression analysis will help me to identify the correct diet that it should take to maintain the right body weight. The regression analysis will help me know good quality and what diet quality I should take to maintain my body weight.

The regression analysis that tries to analyse the relationship between income and happiness is s linear regression. In this case, one tries to find out if the level of income affects a person's happiness. However, other factors may contribute to the happiness of a person. These factors are minor and are not considered in the study. The level of a person's income majorly affects a person's happiness, especially during the period of the pandemic. In other words, an increase in the level of income of a person increases the chances of happiness to the person.

The increase in the level of income in the future increases once happiness; contrary, a decrease in the level of income of an individual reduces once the level of happiness. The independent variable, level of income, affect the level of happiness of a person. The higher the level of income, the higher the level of a person the higher the level of economic motivation. Using the data from the analysis, it is clear that the high level of income, the higher the family's level of happiness and life in the future.

References

Darlington, R. B., & Hayes, A. F. (2016). *Regression analysis and linear models: Concepts,*

applications, and implementation. Guilford Publications.

somo