Answer on Question #63500 – Math – Statistics and Probability

Question

Are there social class differences in the number of traffic violations? Here are the sample means and standard deviations for the number of tickets given for each group: lower class (mean = 3.2, sd = 1.4), middle class (mean = 10.2, sd = 2.3), and upper class (mean = 4.5, sd = 1.1). Assume you had 50 drivers in each group. If used ANOVA to conduct this analysis, what is the null hypothesis?

Solution

The null hypothesis for ANOVA is the following: the mean (average value) is the same for all groups.