

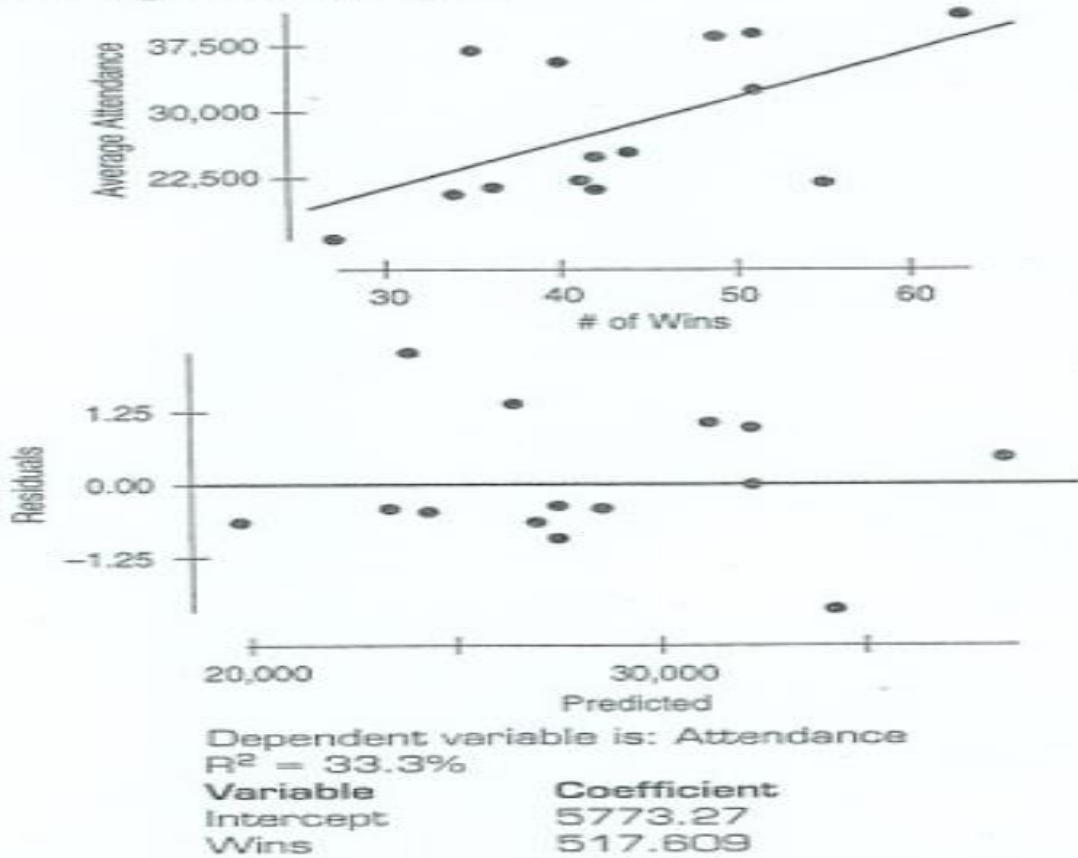
Answer on Question #62512 – Math – Statistics and Probability

Question

Refer again to the regression analysis for average attendance and games won by American League baseball teams in exercise 44. Write the equation of the regression line.

Solution

Baseball. An exercise in the last chapter looked at the relationship between the number of *games won* by American League baseball teams and the *average attendance* at their home games for the first half of the 2001 season. Here are the scatterplot, the residuals plot, and part of the regression analysis.



From the regression analysis we have

Intercept=5773.27 and slope=517.609.

Regression line: $y = 517.609x + 5773.27$

Or, in context: $Attendance = 517.609 * Wins + 5773.27$