

Answer on Question #55200 – Math – Statistics and Probability

dependent variable is home attendance

r-squared= 28.4%

variable is coefficient

constant= -6760.5

wins= 431.22

a) do you think a linear model is appropriate here?

b) interpret the meaning of r^2 in the context

Solution

a) Yes. The coefficient of correlation is

$$r = \sqrt{0.284} = 0.533.$$

There is strong correlation between home attendance and the number of games won.

b) 28.4% of variation in home attendance can be explained by variation in games won.