Conditions

r = 0.931

coefficient of determination =0.867

regression line: y = 38535x - 35219

standard error of estimate: 196.1 pounds

Is there significant correlation between specific gravity of the potatoes and the pounds of chips?

Solution

The value of coefficient of correlation r > 0.9 tells us about **very strong correlation** between specific gravity of the potatoes and the pounds of chips.

The models in which coefficient of determination is **more than 0.8 are recommended to use**.

The low value of standard error also tell us that this model is goodly determines the correlation between the explanatory and response variables.