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Lab 5 Deliverable 3

What percentage of the distribution of Sasquatch sightings were explained in your OLS analysis by each variable and by both variables used together (see reports generated in Step 7). Share a few thoughts on why this might be the case.

According to the output reports, the OLS for forest had an adjusted r-squared value of 0.274066 or 27.4066% of the variance, the OLS for population had an adjusted r-squared value of 0.212417 or 21.2417% of the variance, and the OLS for both forest and population had an adjusted r-squared value of 0.443005 or 44.3005% of the variance.

The reason why the OLS for both forest and population is almost double the single variable values if they were separated is because the more explanatory variables that are added into the model (two in this case) there will be a greater amount of the distribution that is explained, hence, the higher adjusted r-squared value.