

### Analysis of the Nest Dataset

We have the data that shows the variables of species, nest content, Butts weight and the number of mites. We need verify that the cigarette butts into nests reduces nest ectoparasite load.

The fitted regression line on the logscale of the number of mites vs butts' weight shows as the graph below. It shows that as the butts weight increase, the number of mites decrease. The slope means that as the butts weight increase by one unit, the log (number of mites) decrease 0.20. My overall conclusion is the number of the cigarette butts into nests can reduces nest mites number.

