

It is always important to check residual plot of any analysis that one performs.

Residual values show whether the error produced is random, they are either small or big but uniformly centered around 0 on the plot of Residual vs. Fitted values.

Figure 1. is a plot of Residual vs Fitted values of 6 uninteresting variables. These 6 variables seem to well predict the outcome of Y (another uninteresting variable) $p < 2.0E-16$. However, as visualized on Figure 1. such claim is moot.

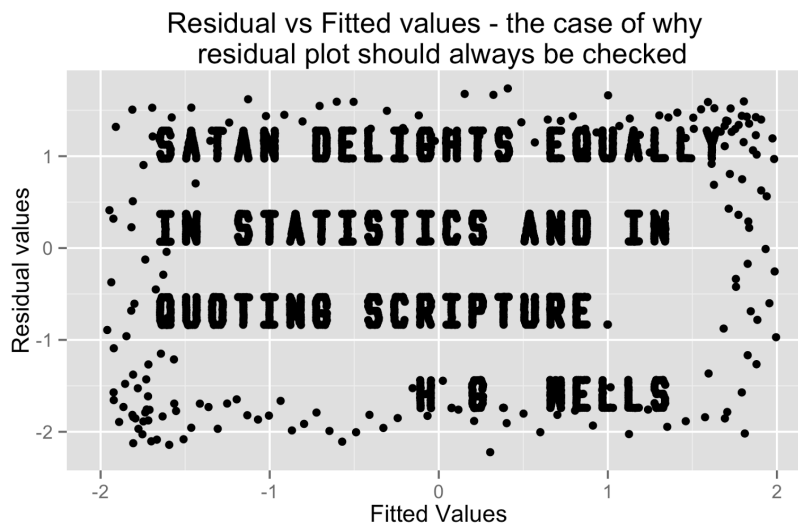


Figure 1. Residual vs Fitted values.