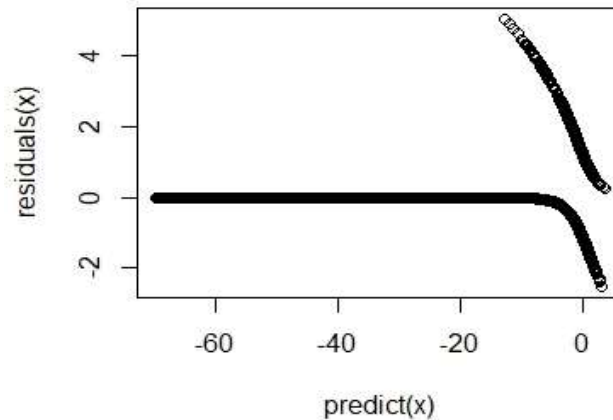


- Residuals vs fitted plot

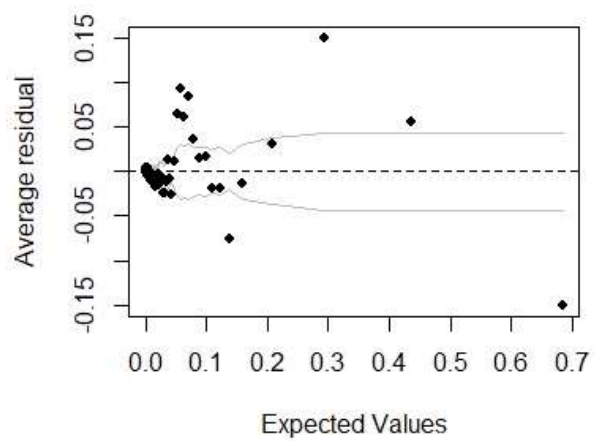
Fitted values are also called predicted values.



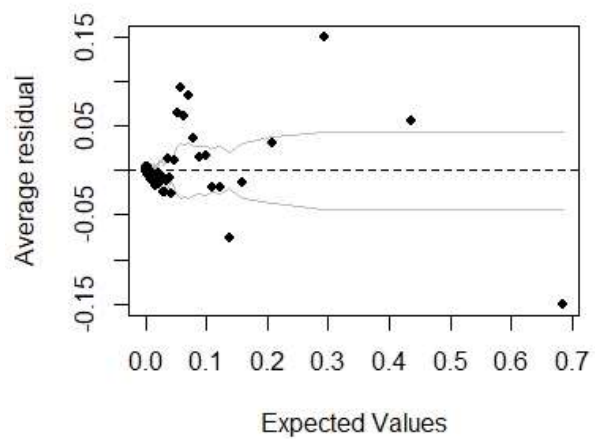
In logistic regression, as with linear regression, the residuals can be defined as observed minus expected values. The data are discrete and so are the residuals. As a result, plots of raw residuals from logistic regression are generally not useful. The binned residuals plot instead, after dividing the data into categories (bins) based on their fitted values, the average residual versus the average fitted value for each bin.

The grey lines represent ± 2 SE bands, which we would expect to contain about 95% of the observations. If the majority of the fitted values fall within the SE bands, model will be reasonable.

Binned residual plot



Binned residual plot-extra1



Binned residual plot-extra2

