DATA CLEANING DATASET

Explanation

REMOVAL BY ID.

The residuals in the residual by predicted plot appear randomly scattered around the centerline of zero with no obvious pattern.

The distribution of the residuals in the histogram doesn't look overly normal but we only have 50 observations instead.

From the residual normal quantile plot we don't see any obvious departures from normality in this plot.

The points in the actual by predicted plot appear randomly scattered around the line of fed so this is another good sign.

What about the residual row plot let's assume that our data our is time ordered there aren't any obvious systematic patterns in their residual row plot, so it doesn't look like sequential observations are correlated with one another. We also don't see any outliers in any of the plots since our regression assumptions have not been violated, we can proceed to interpret our regression model.

REMOVAL BY OD.

The residuals in the residual by predicted plot appear randomly scattered around the centerline of zero with no obvious pattern.

The distribution of the residuals in the histogram doesn't look overly normal but we only have 50 observations instead. The histogram looks like a bimodal.

From the residual normal quantile plot we don't see any obvious departures from normality in this plot.

The points in the actual by predicted plot appear randomly scattered around the line of fed so this is another good sign.

What about the residual row plot let's assume that our data our is time ordered there aren't any obvious systematic patterns in their residual row plot, so it doesn't look like sequential observations are correlated with one another. We also don't see any outliers in any of the plots since our regression assumptions have not been violated, we can proceed to interpret our regression model.