Histogram of outcome variable, change in average monthly number of cases per 100 students (Spring – Fall)

Chart, histogram

Description automatically generated

Using Cook’s D and difference in fits stats, I identify 17 schools as potential outliers. The resulting histogram following their removal is like so:

Chart, histogram

Description automatically generated

QQPlot of least squares residuals following estimation of multilevel model (this is with the outliers removed). The model appears to have issue with the larger values.

Chart, line chart

Description automatically generated