

Normality analysis on graphs

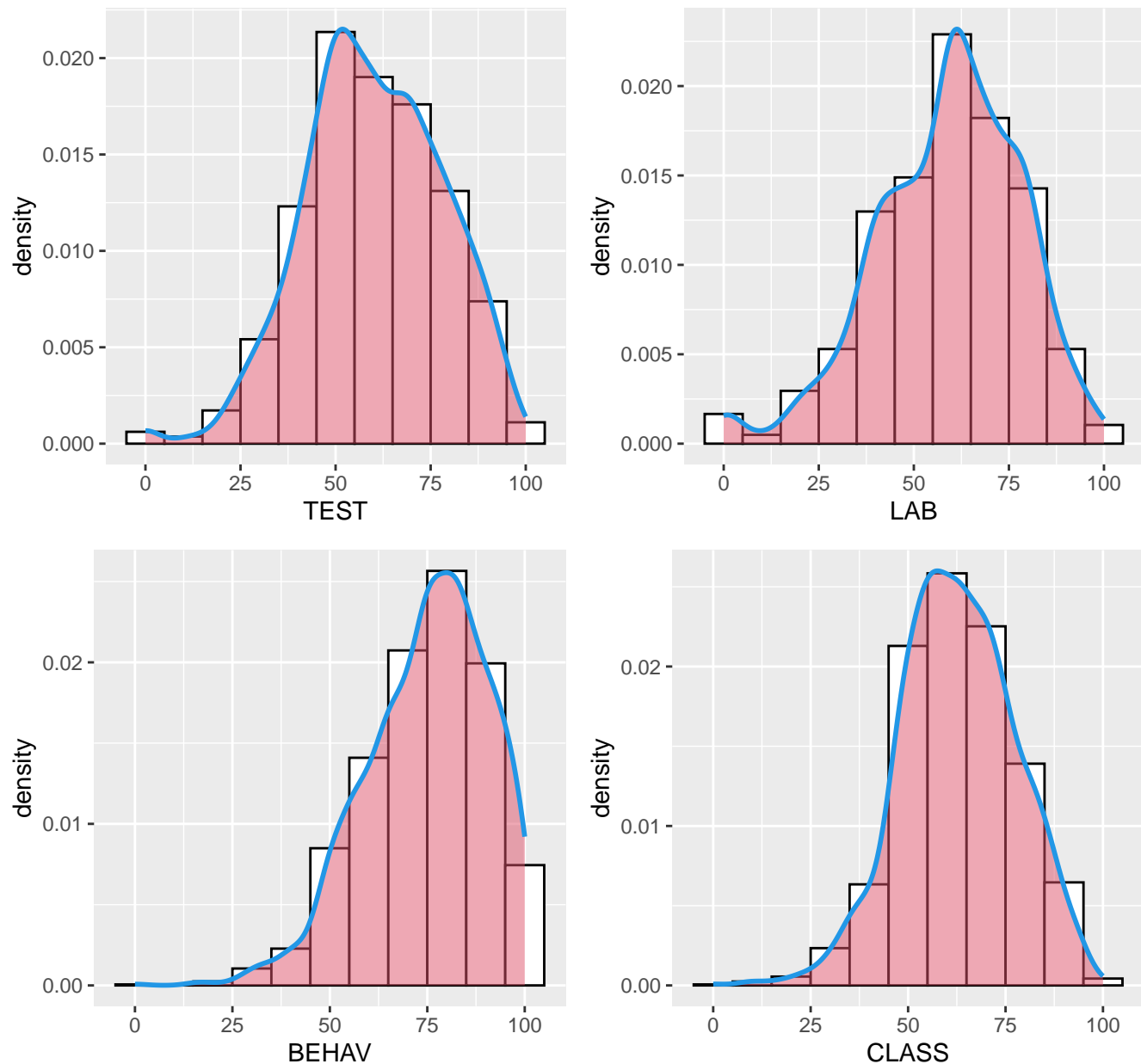


Figure 1: Histograms with kernel density estimate for variables TEST, LAB, BEHAV and CLASS

Boxplot time series

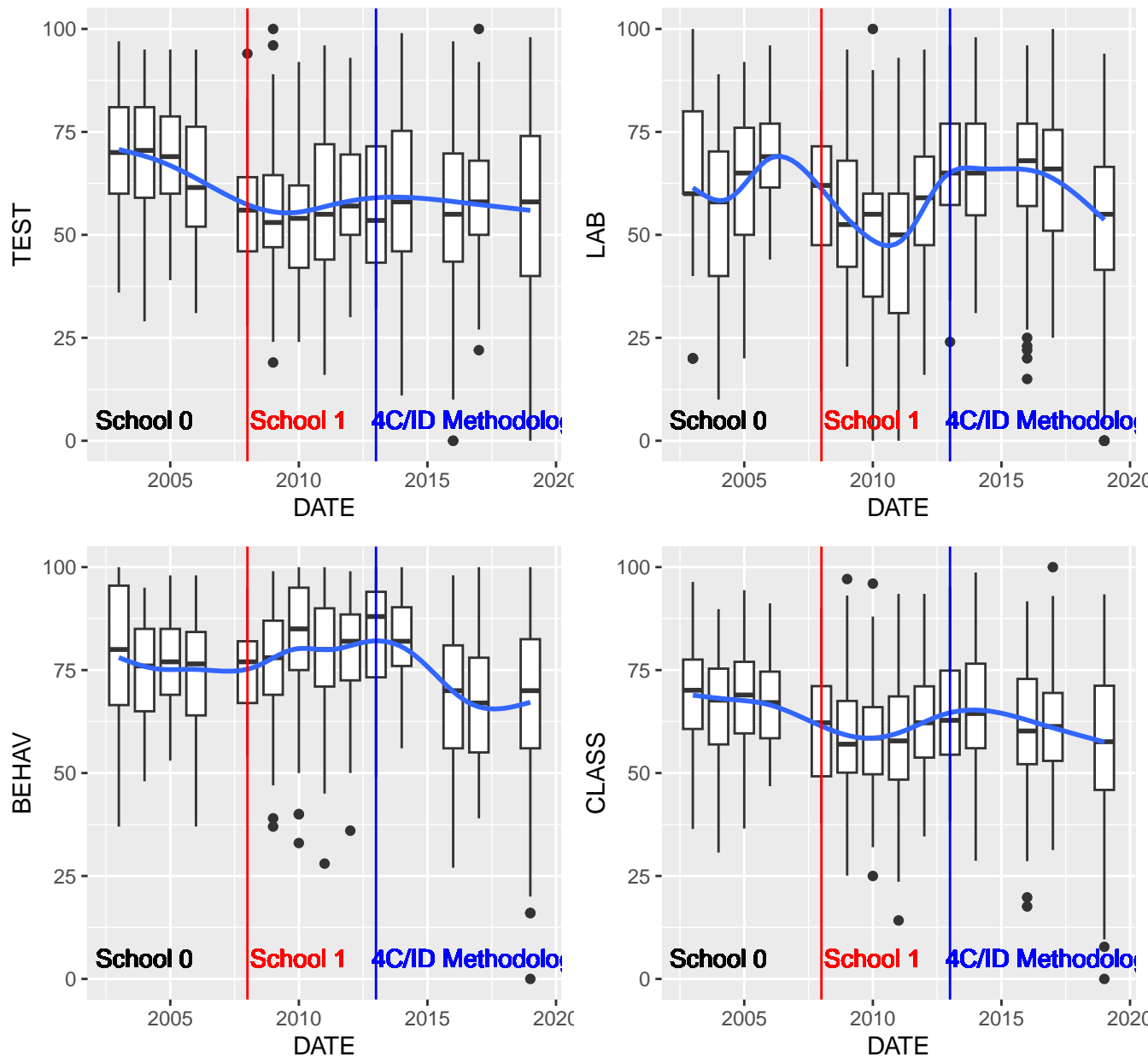


Figure 2: all data sample

Boxplot time series

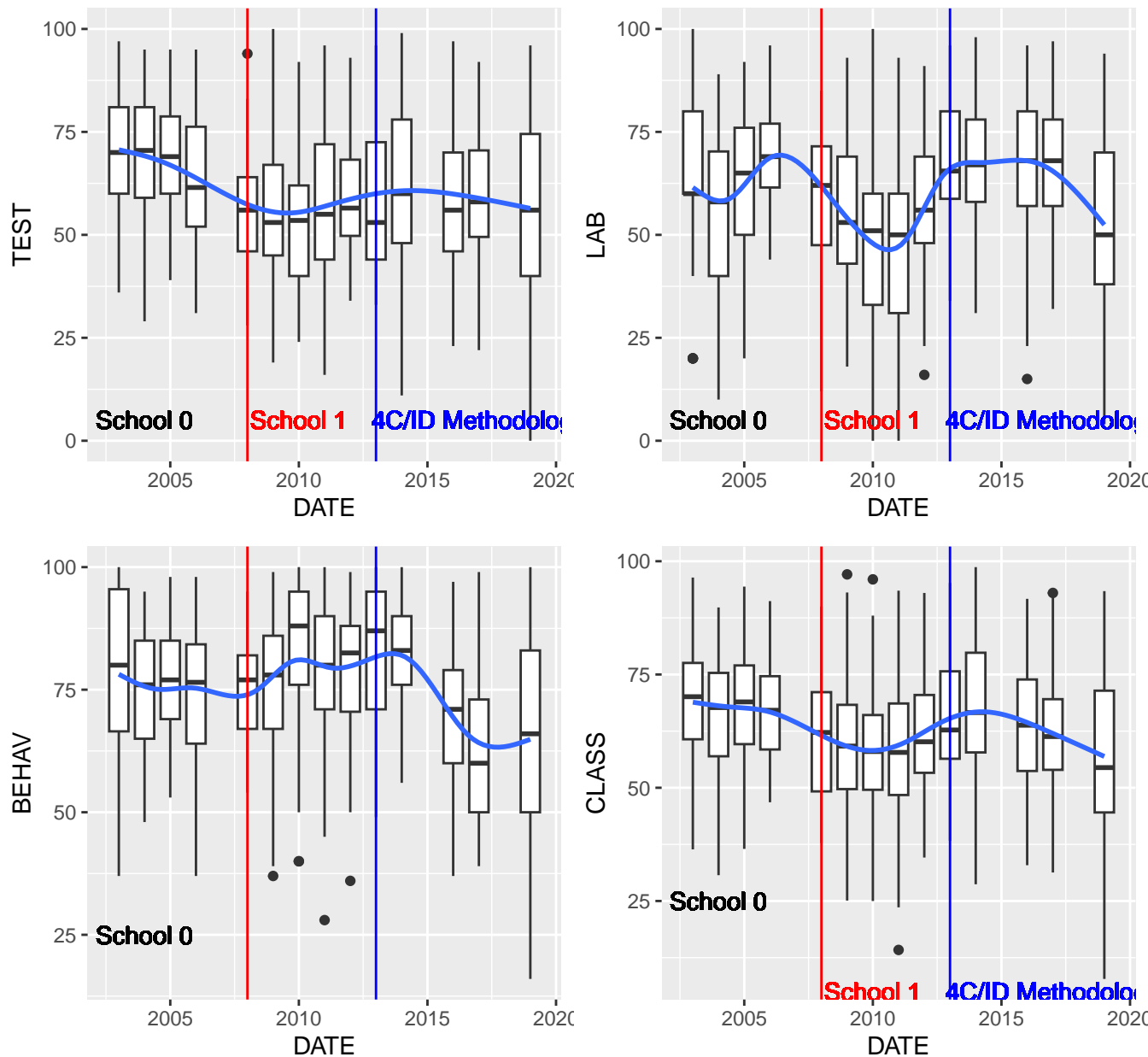


Figure 3: data sample junior grade for school 0 and 1

Boxplot time series

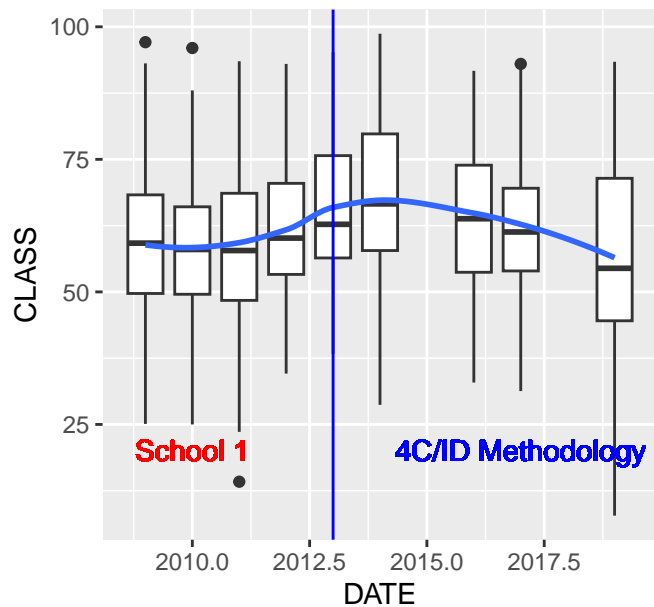
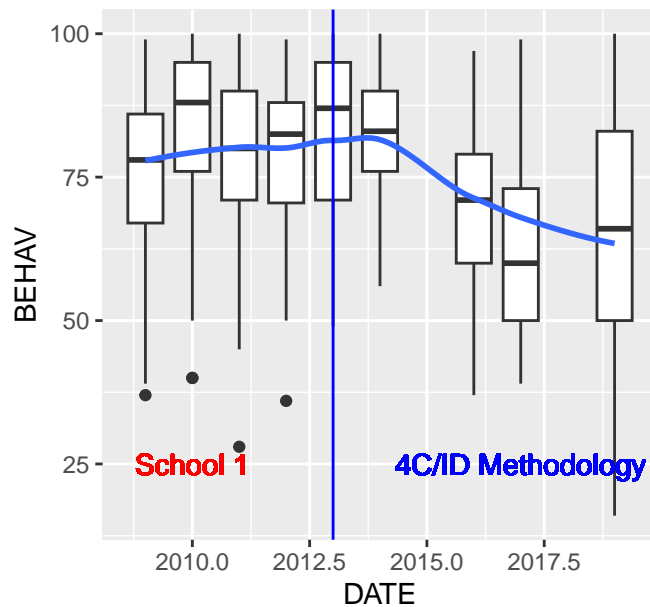
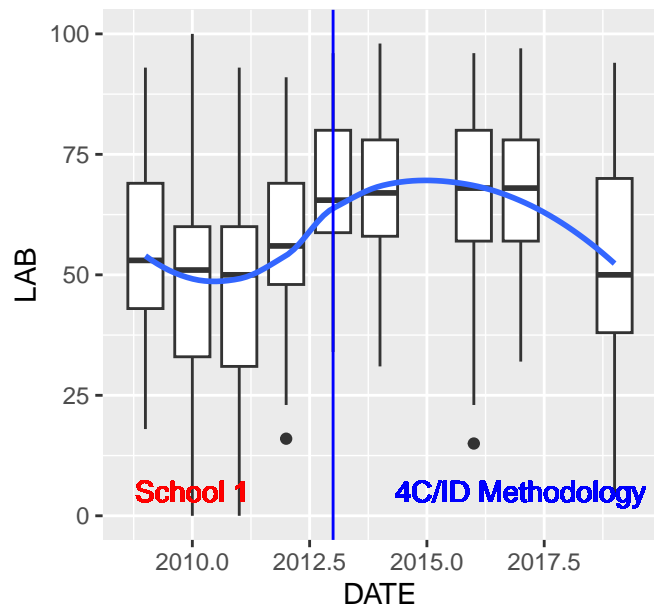
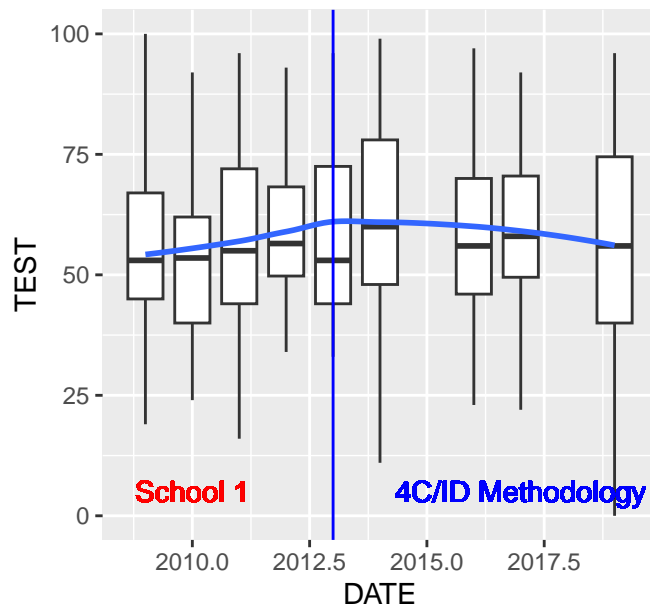


figure 4: junior grade sample for school 1

Boxplot time series

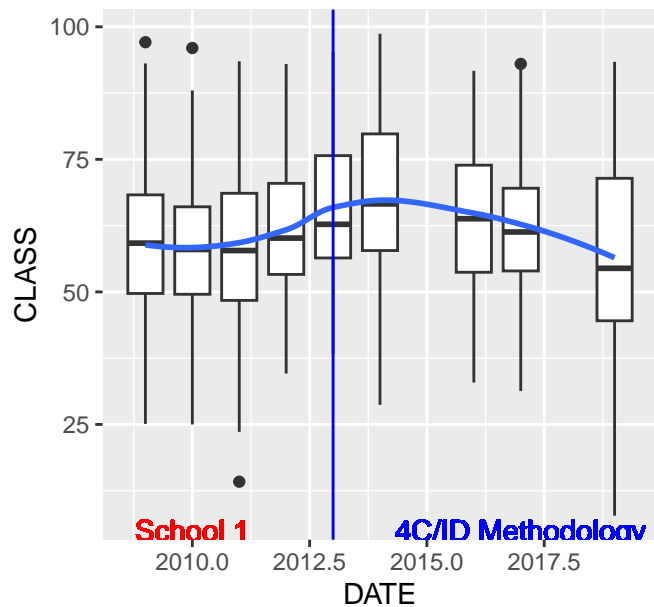
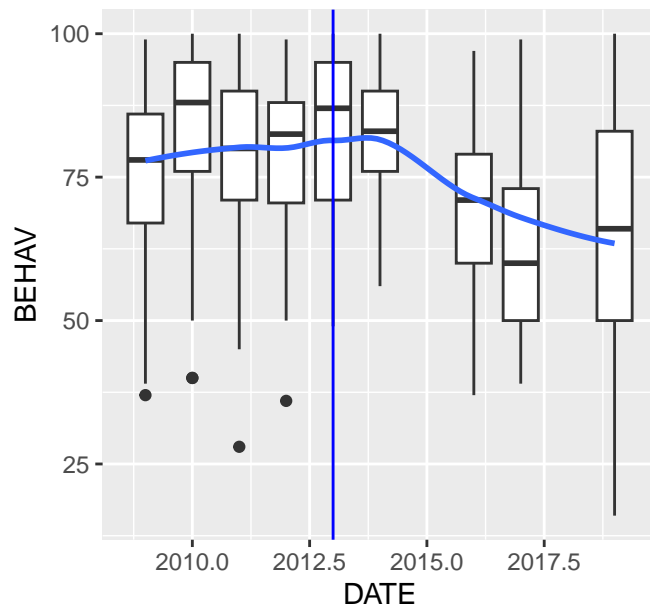
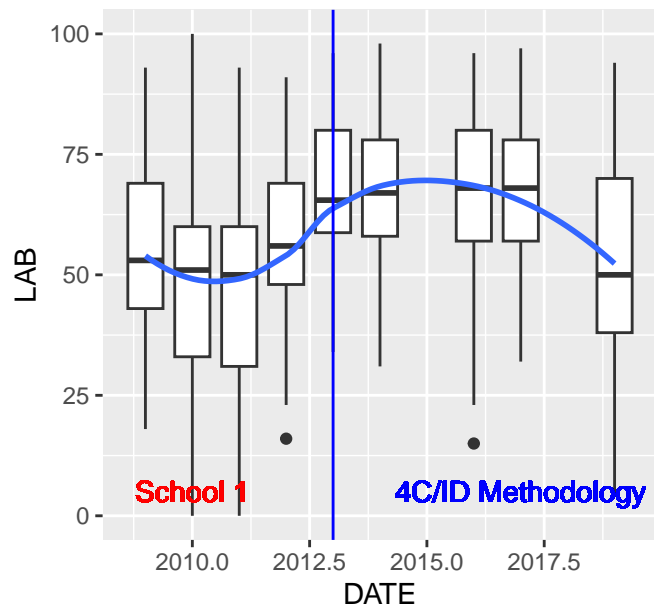
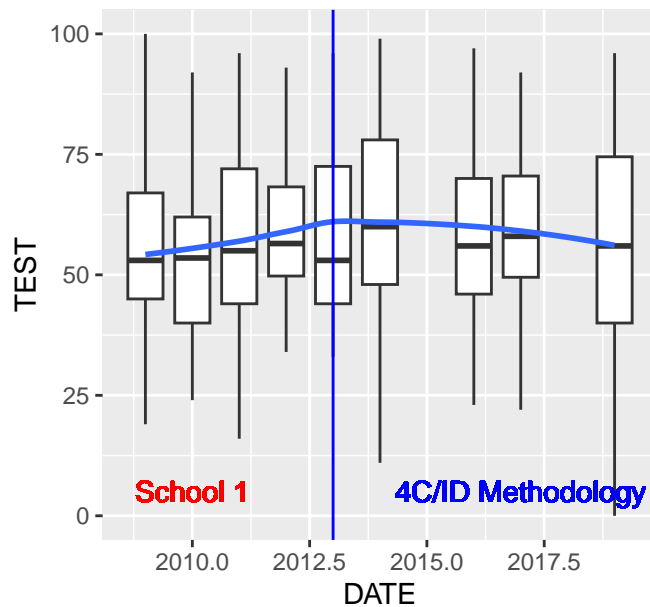


Figure 5: junior high grade sample for school 1

boxplots

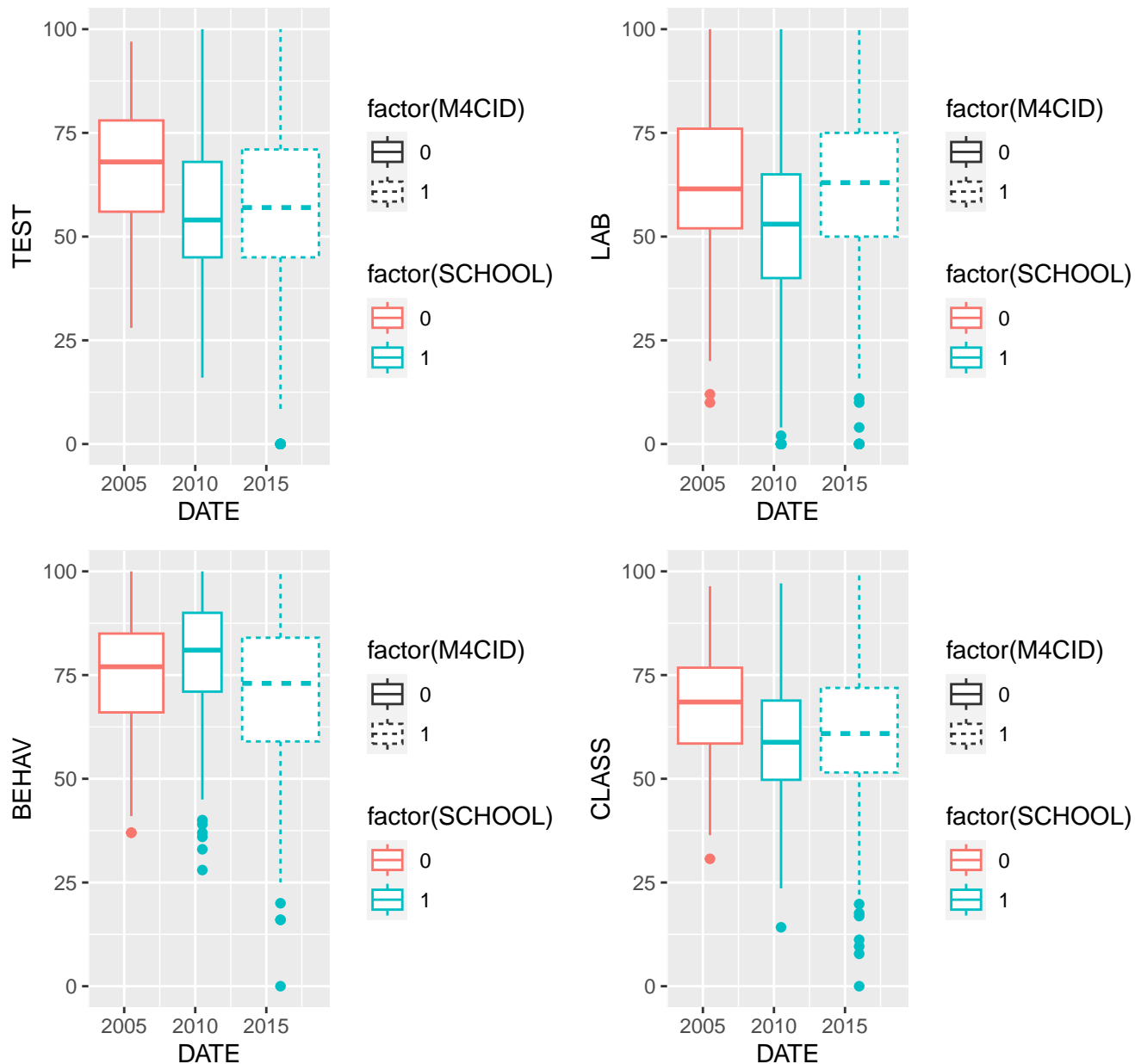


Figure 6: boxplot grouped by school and 4C/ID methodology

All sample boxplots

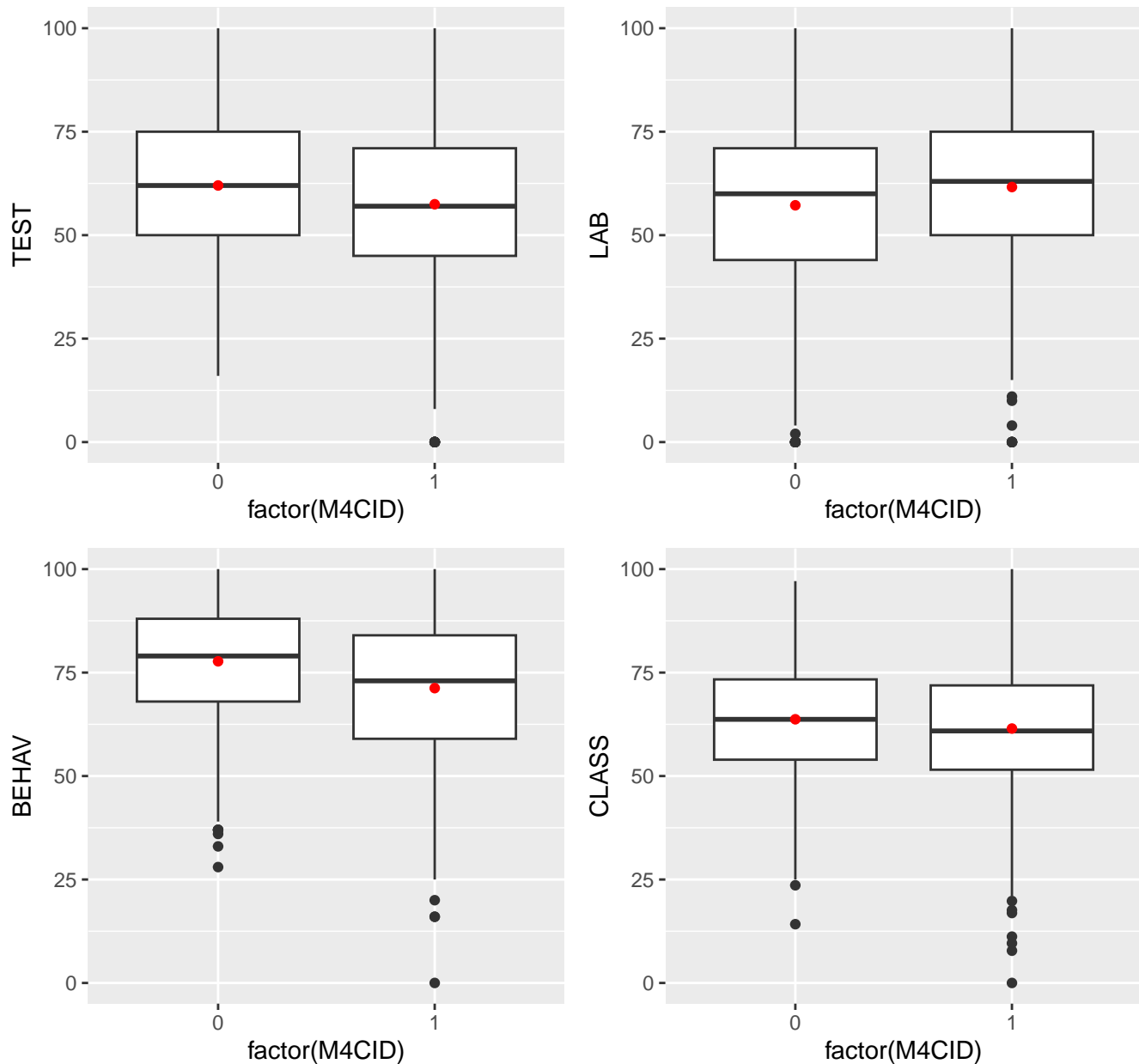


Figure 7: boxplots grouped by 4C/ID methodology showing the mean by the red dot

Time series regression scatterplots

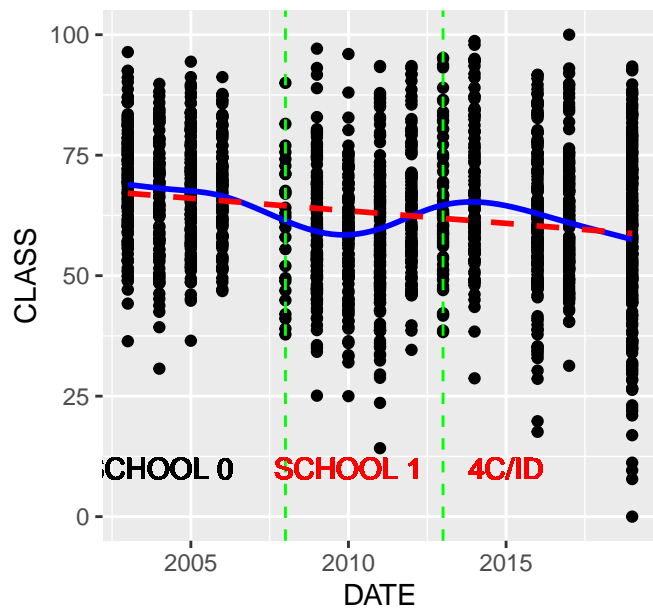
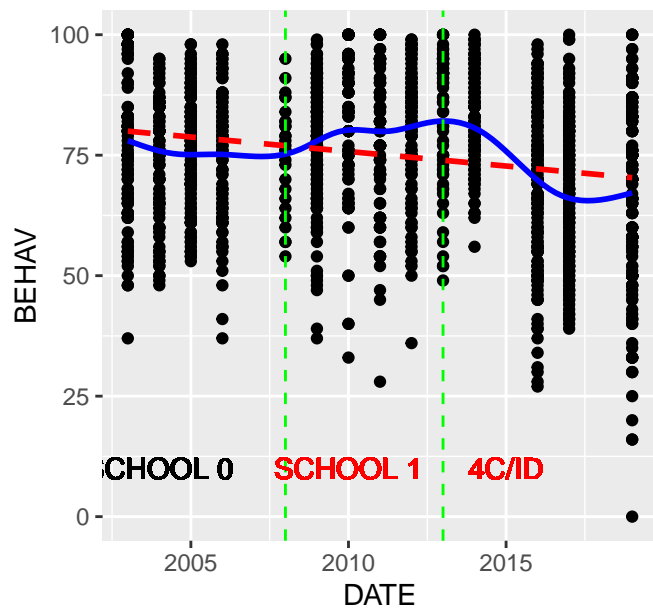
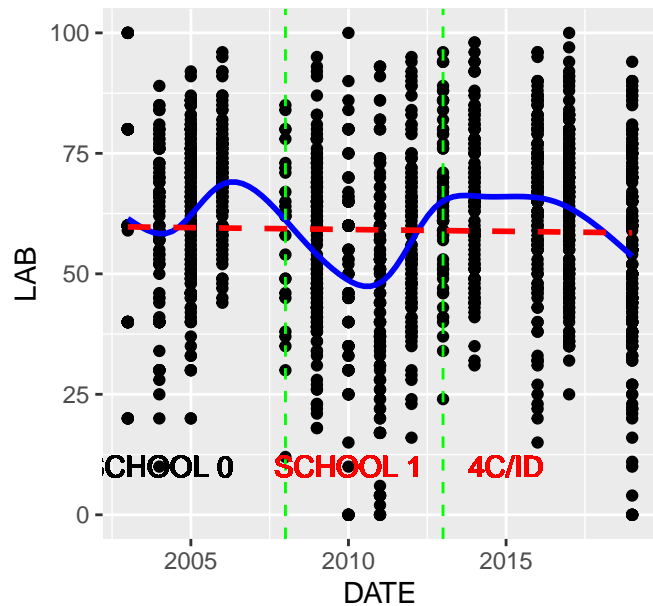
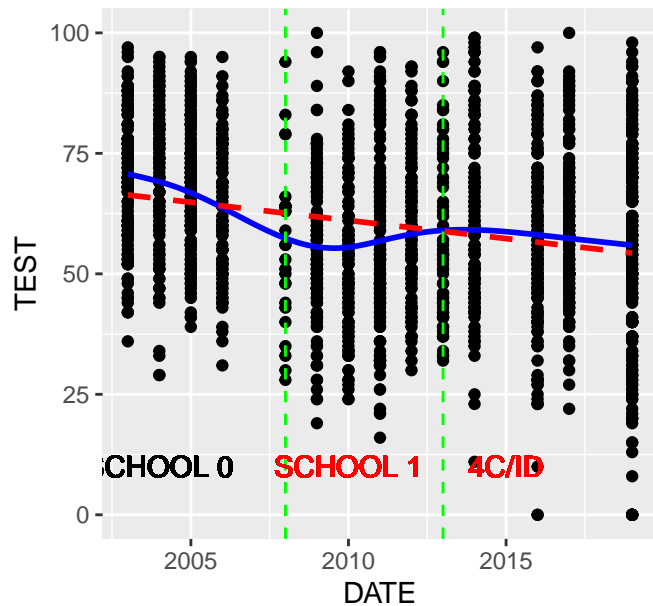


Figure 8: Local Polynomial Regression Fitting in red

All sample variable correlations analysis

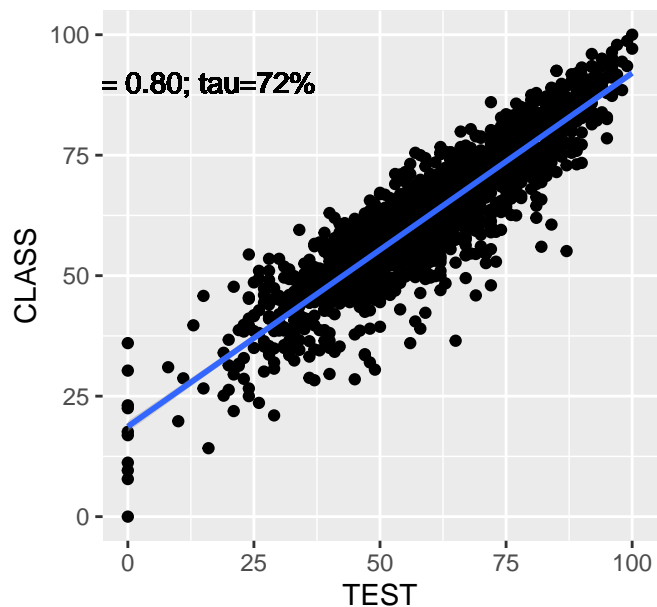
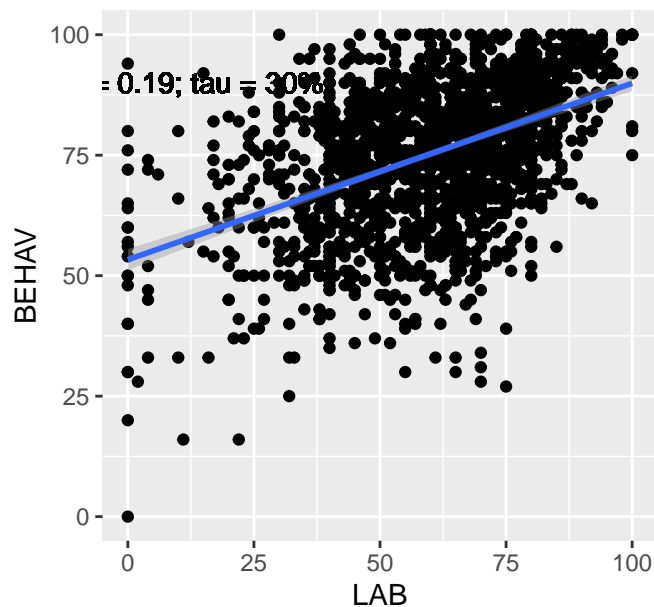
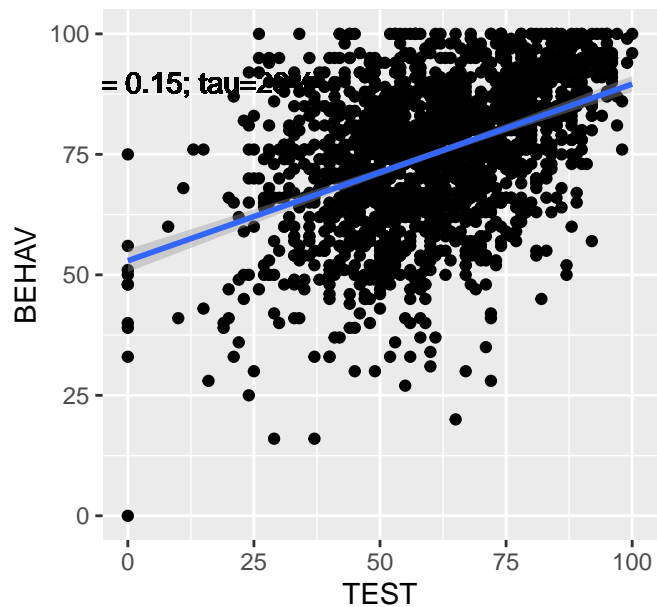
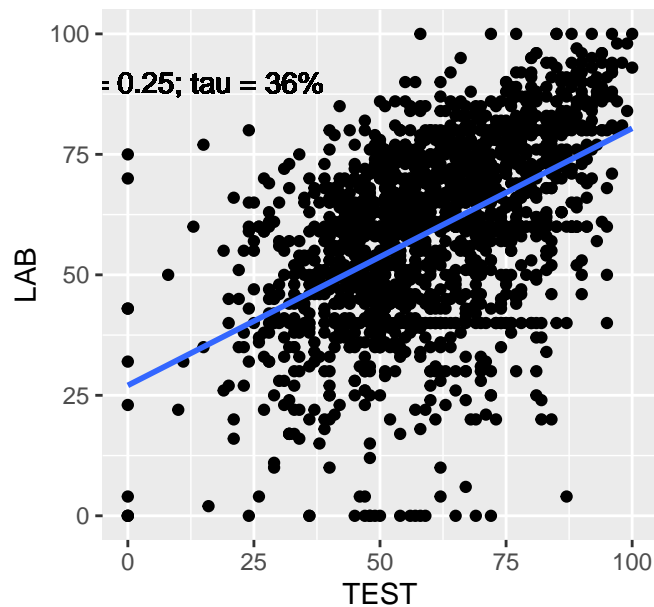


Figure 9: Variable dependency analys

Junior grade histograms

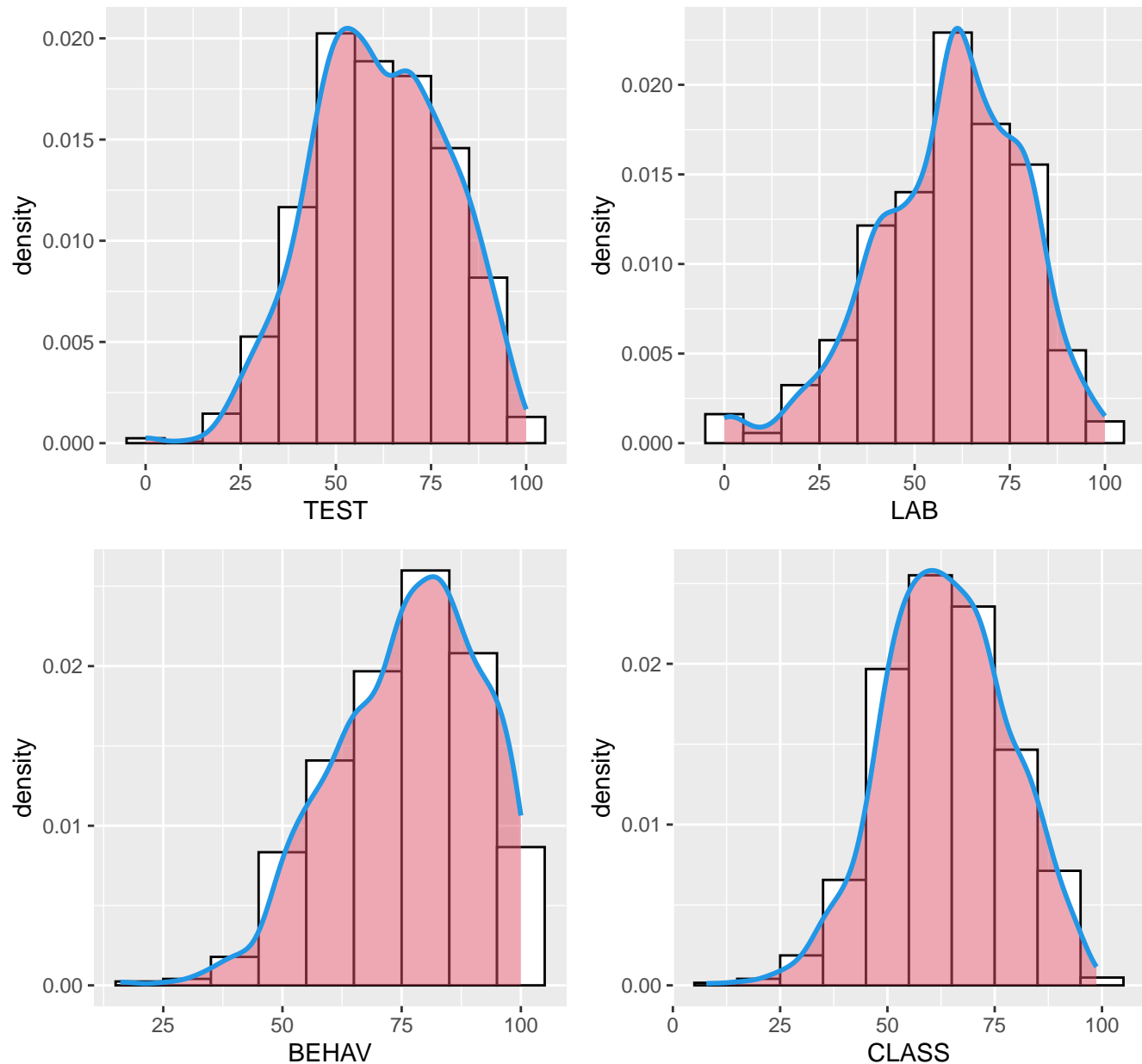


Figure 10: normality testing for the junior grade sample

Junior high grade histograms

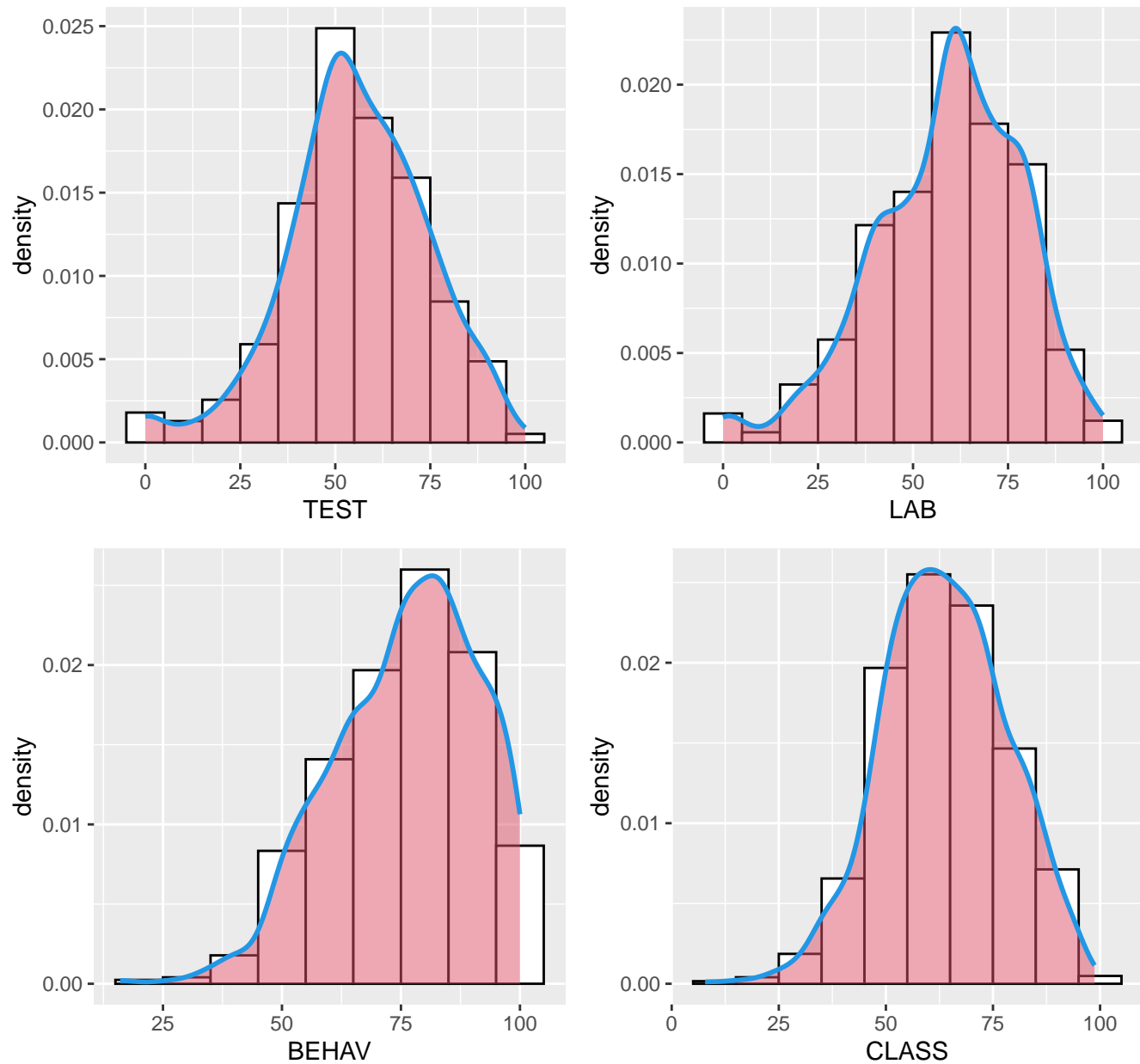
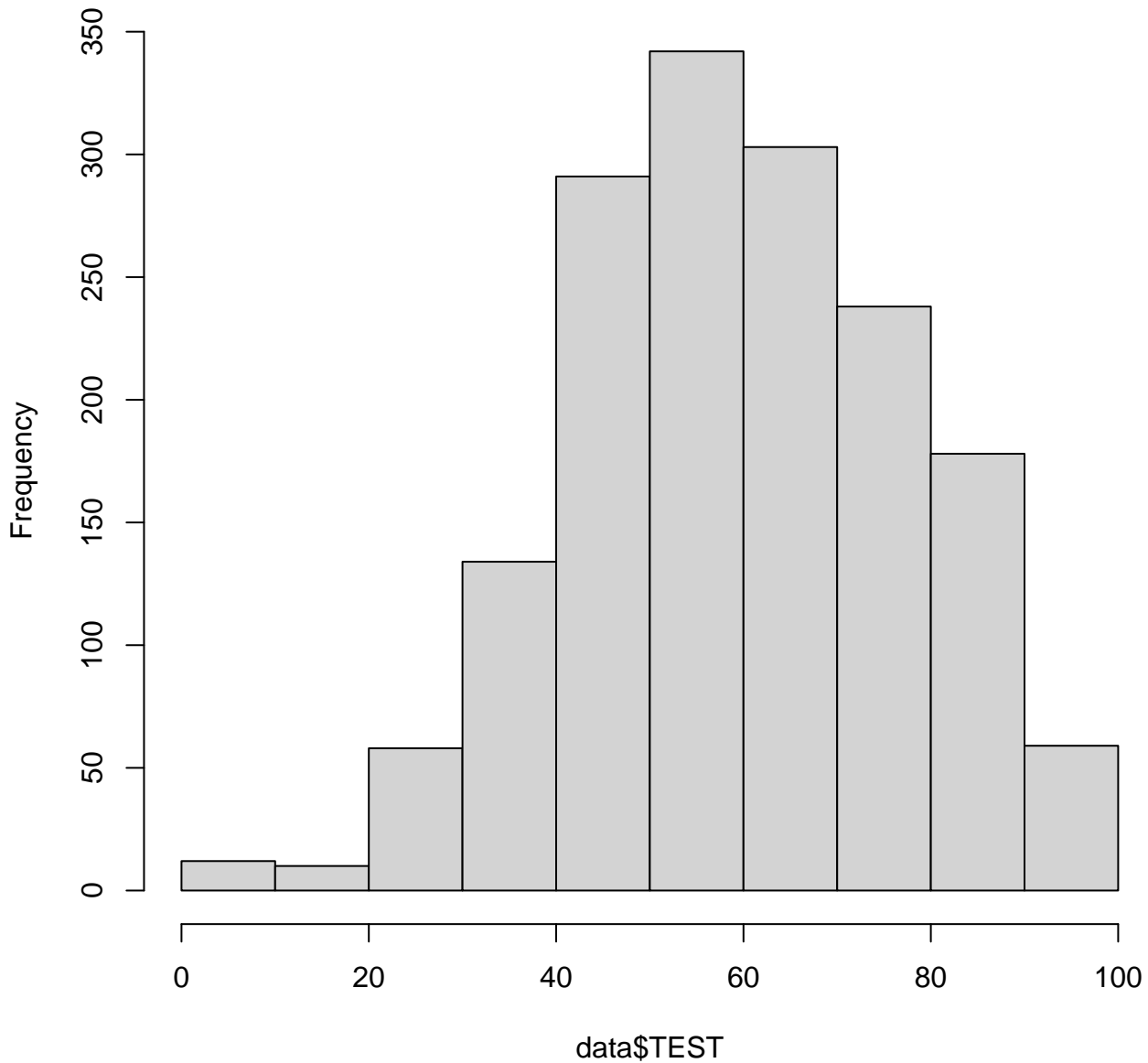
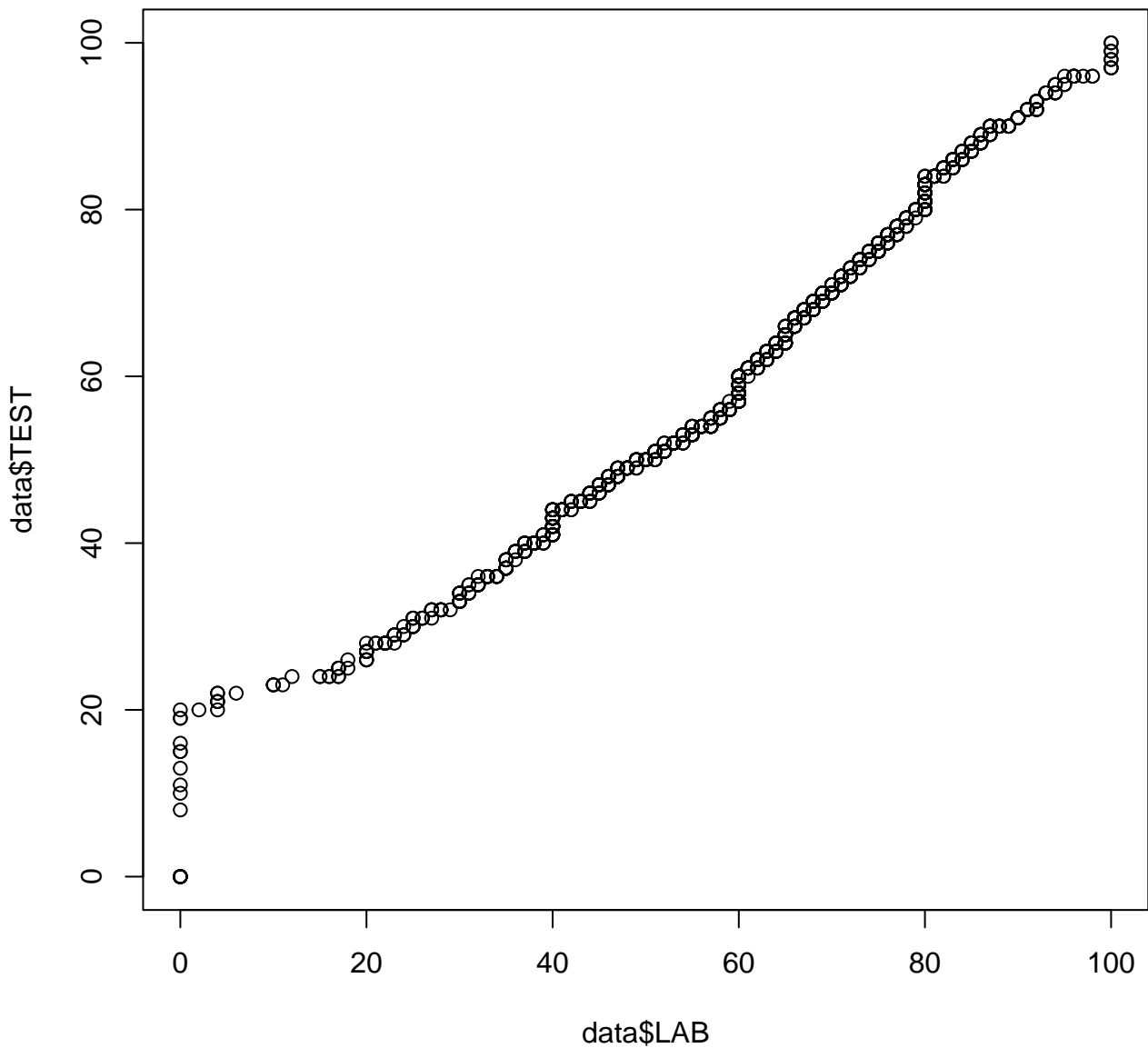


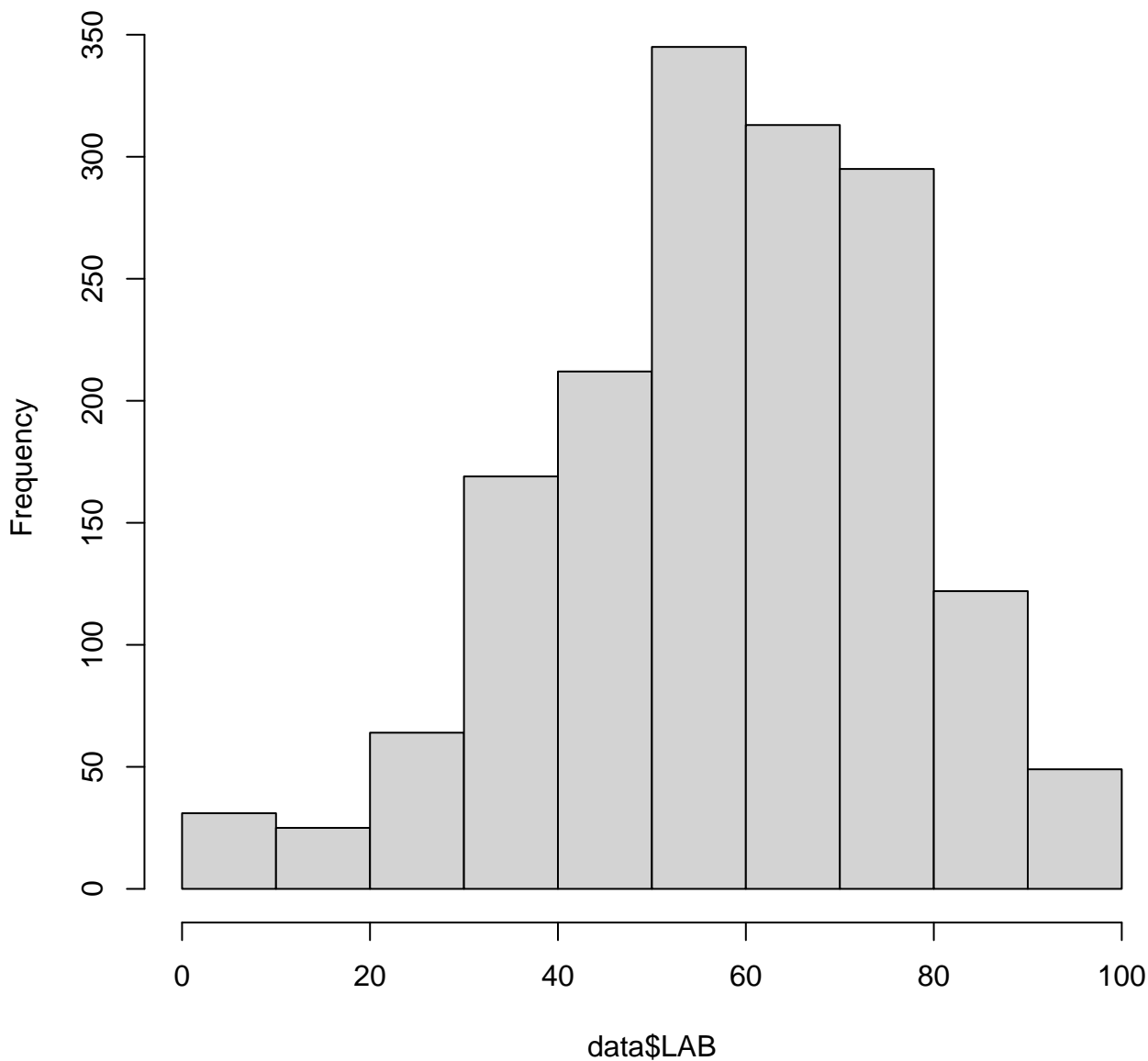
Figure 11: normality testing for the junior high grade sample

Histogram of data\$TEST

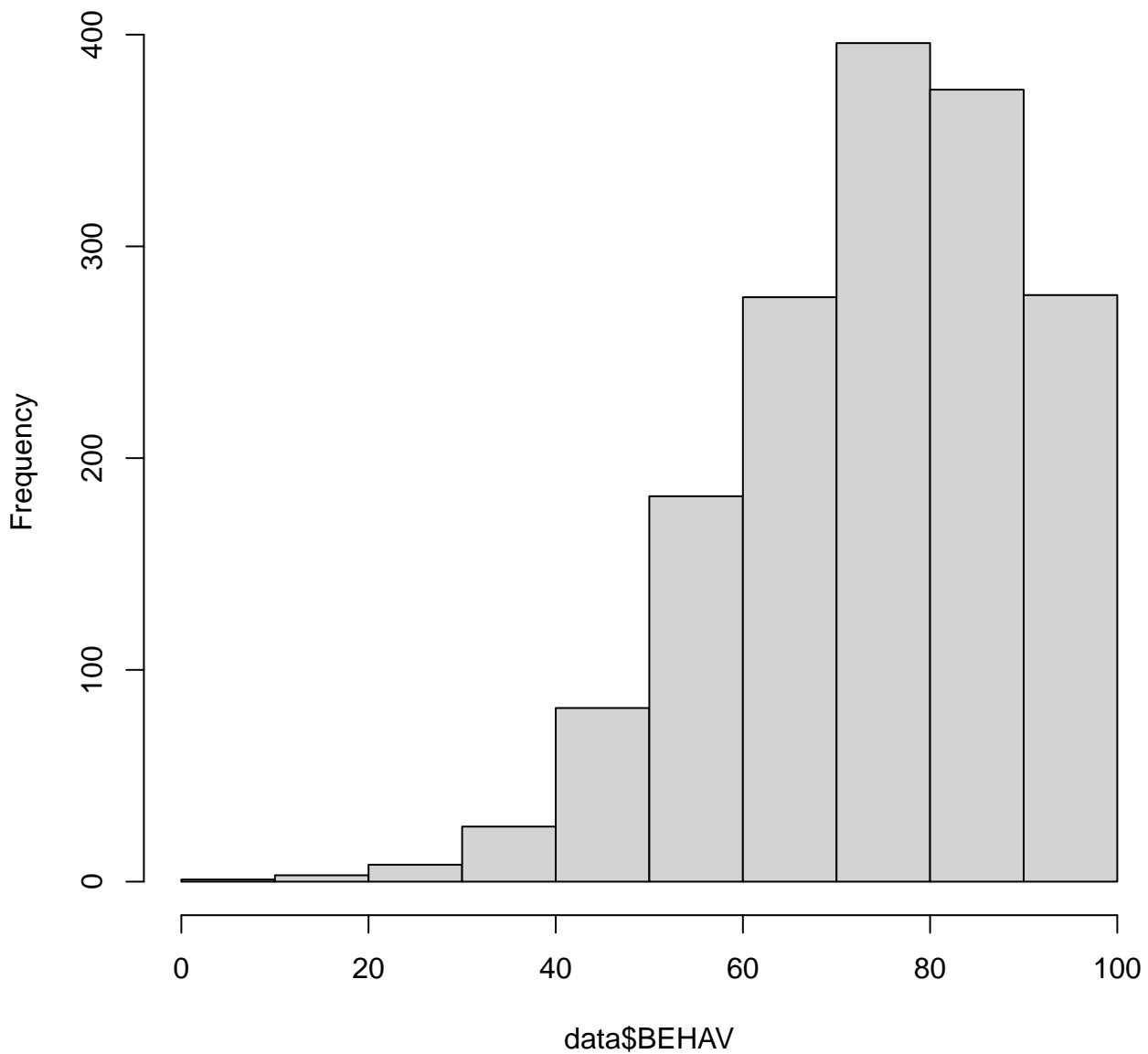




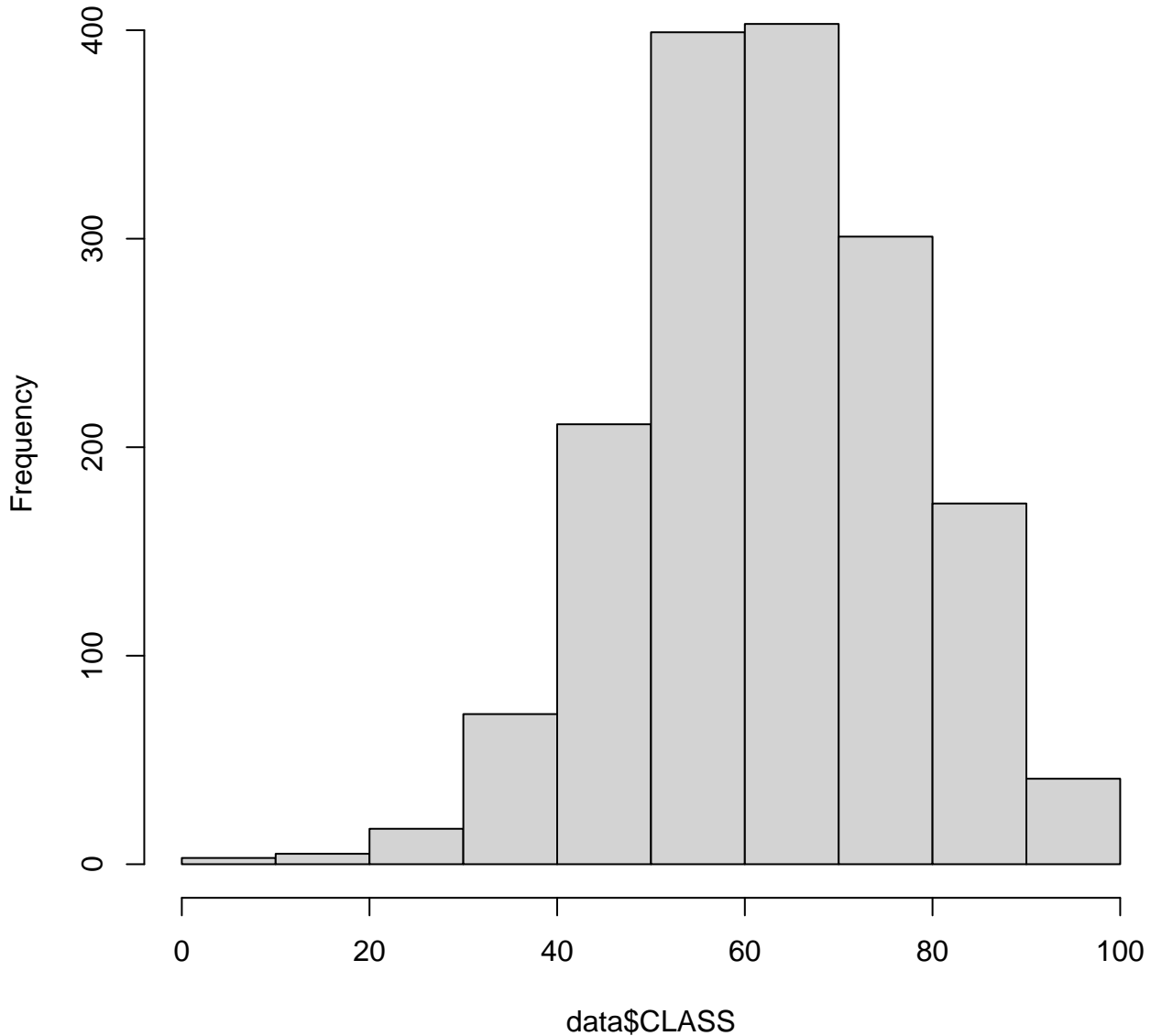
Histogram of data\$LAB



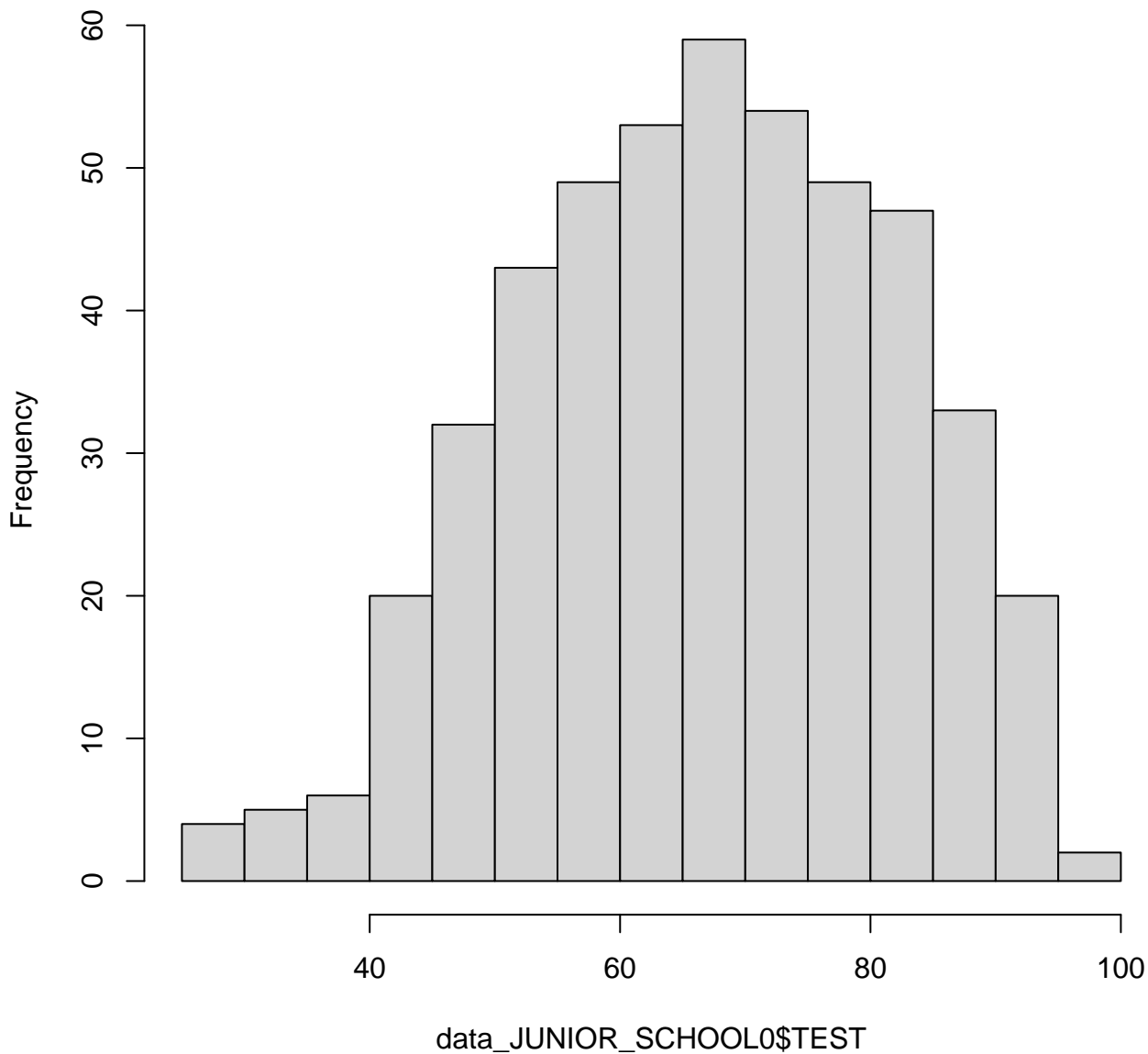
Histogram of data\$BEHAV



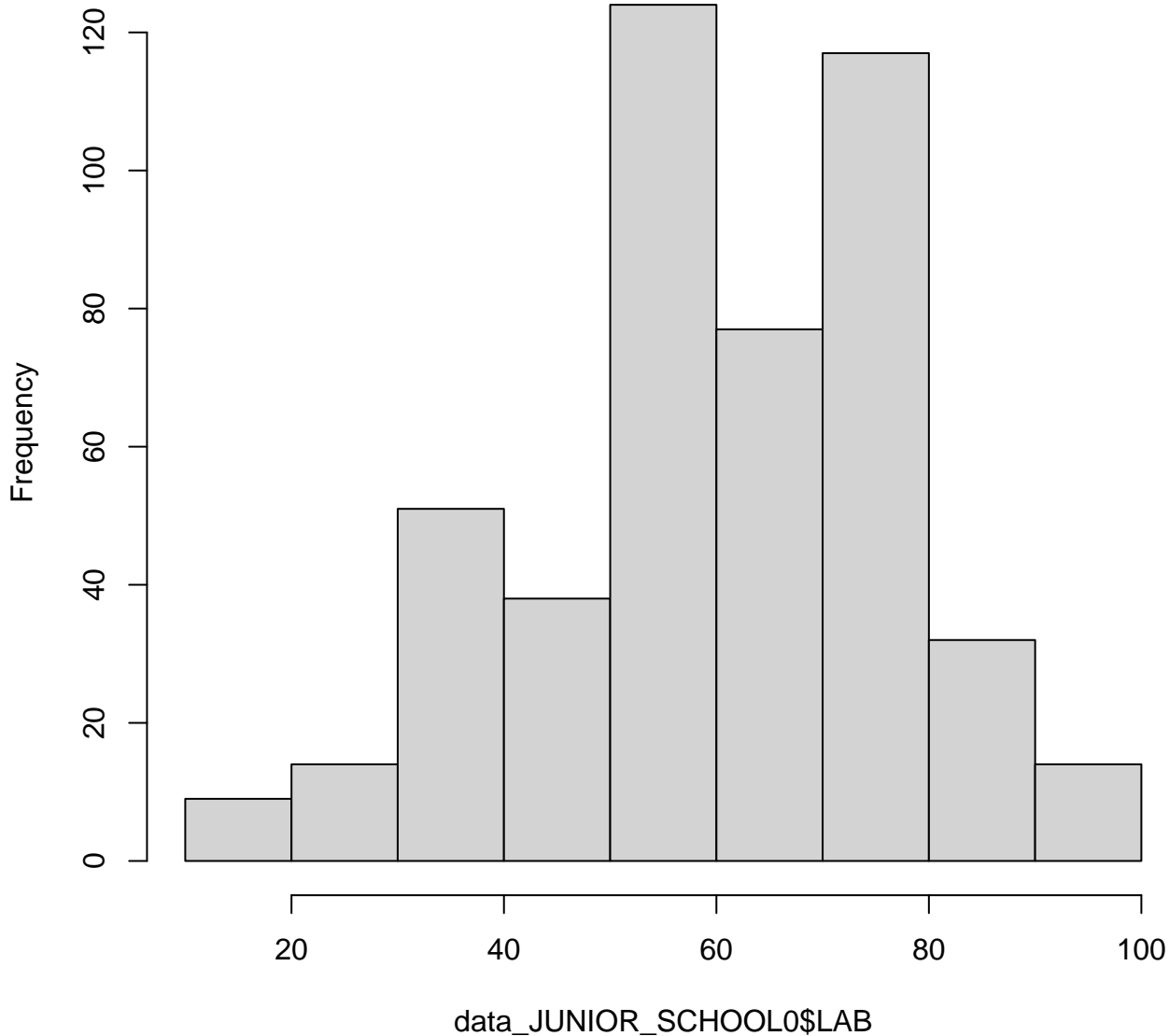
Histogram of data\$CLASS



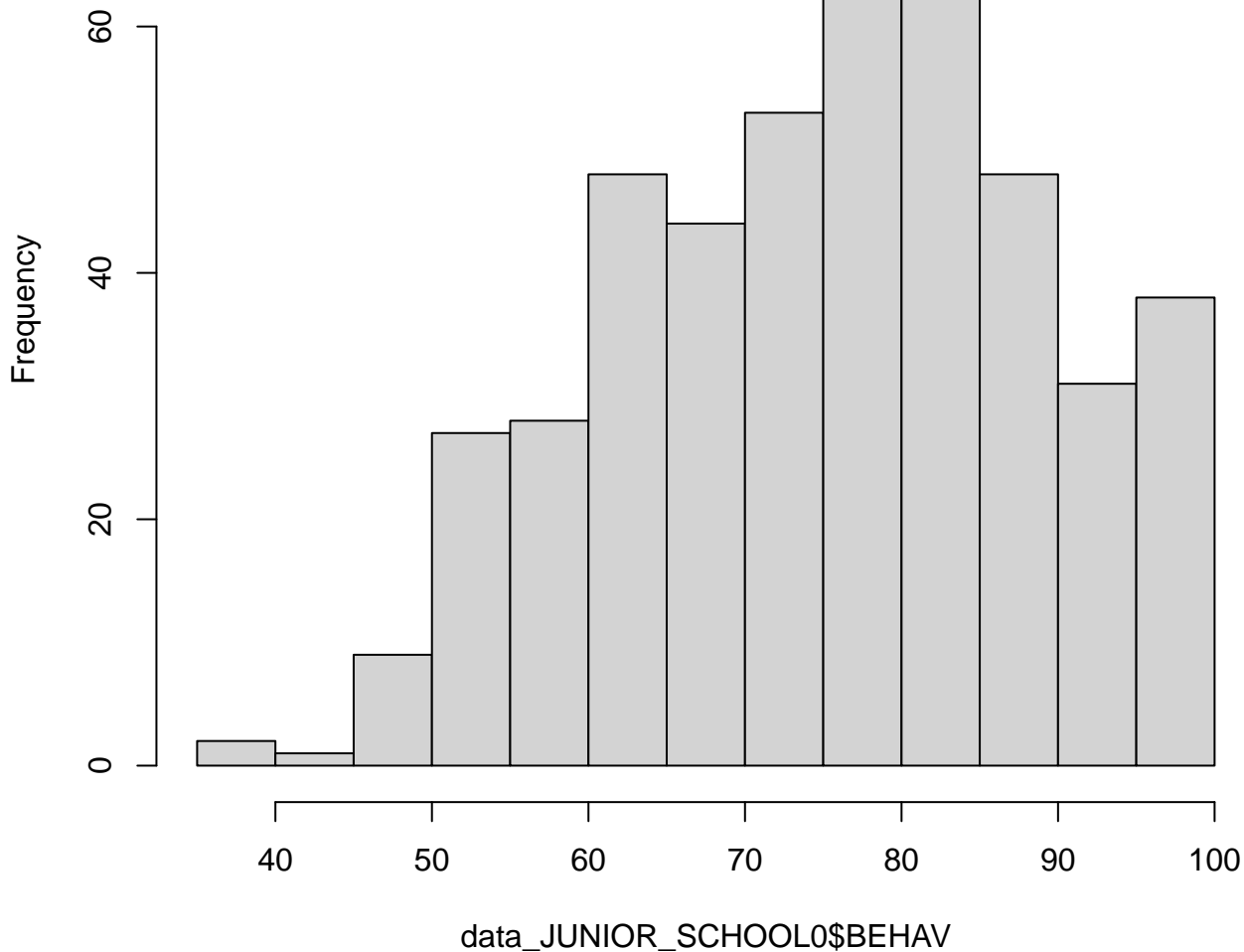
Histogram of data_JUNIOR_SCHOOL0\$TEST



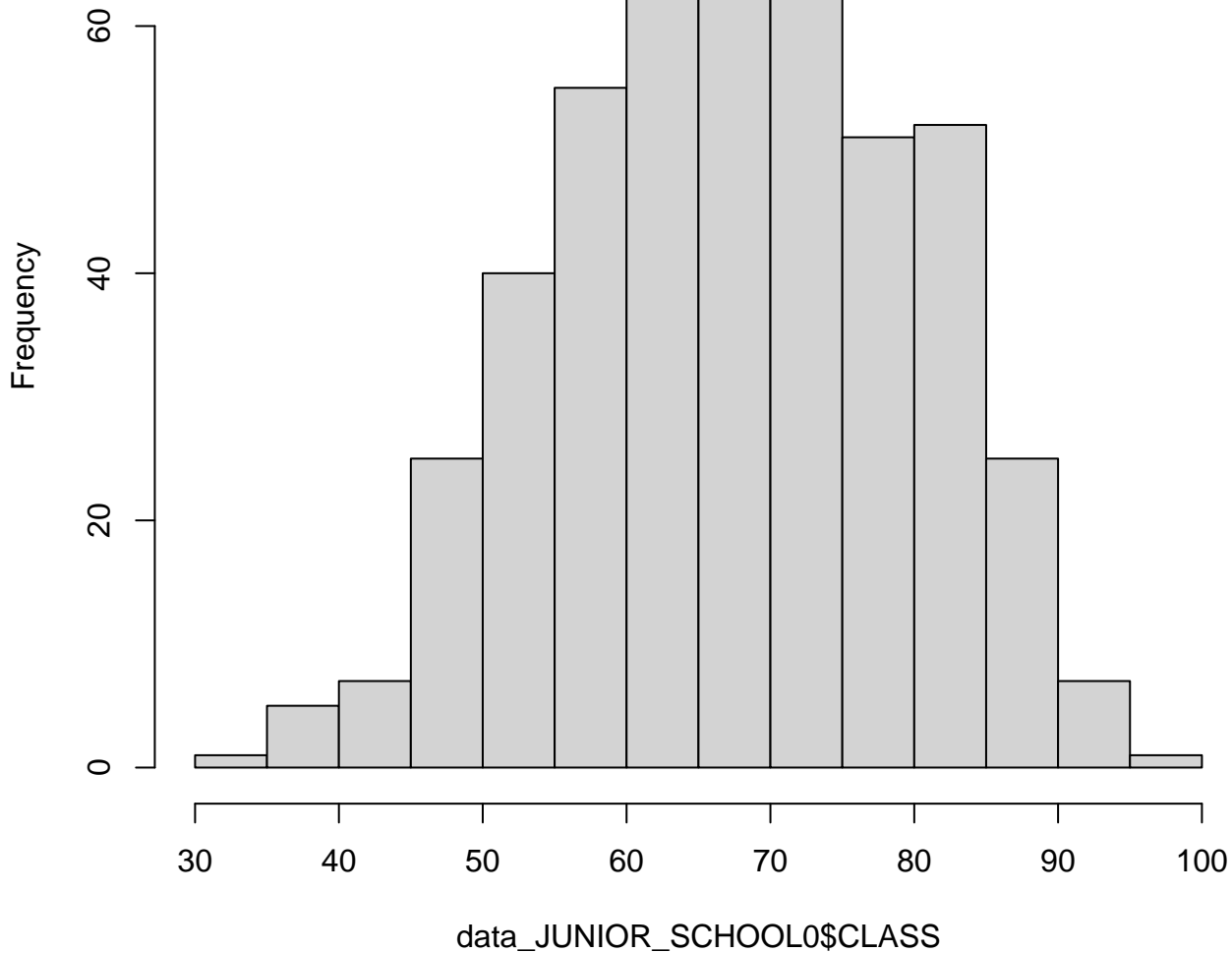
Histogram of data_JUNIOR_SCHOOL0\$LAB



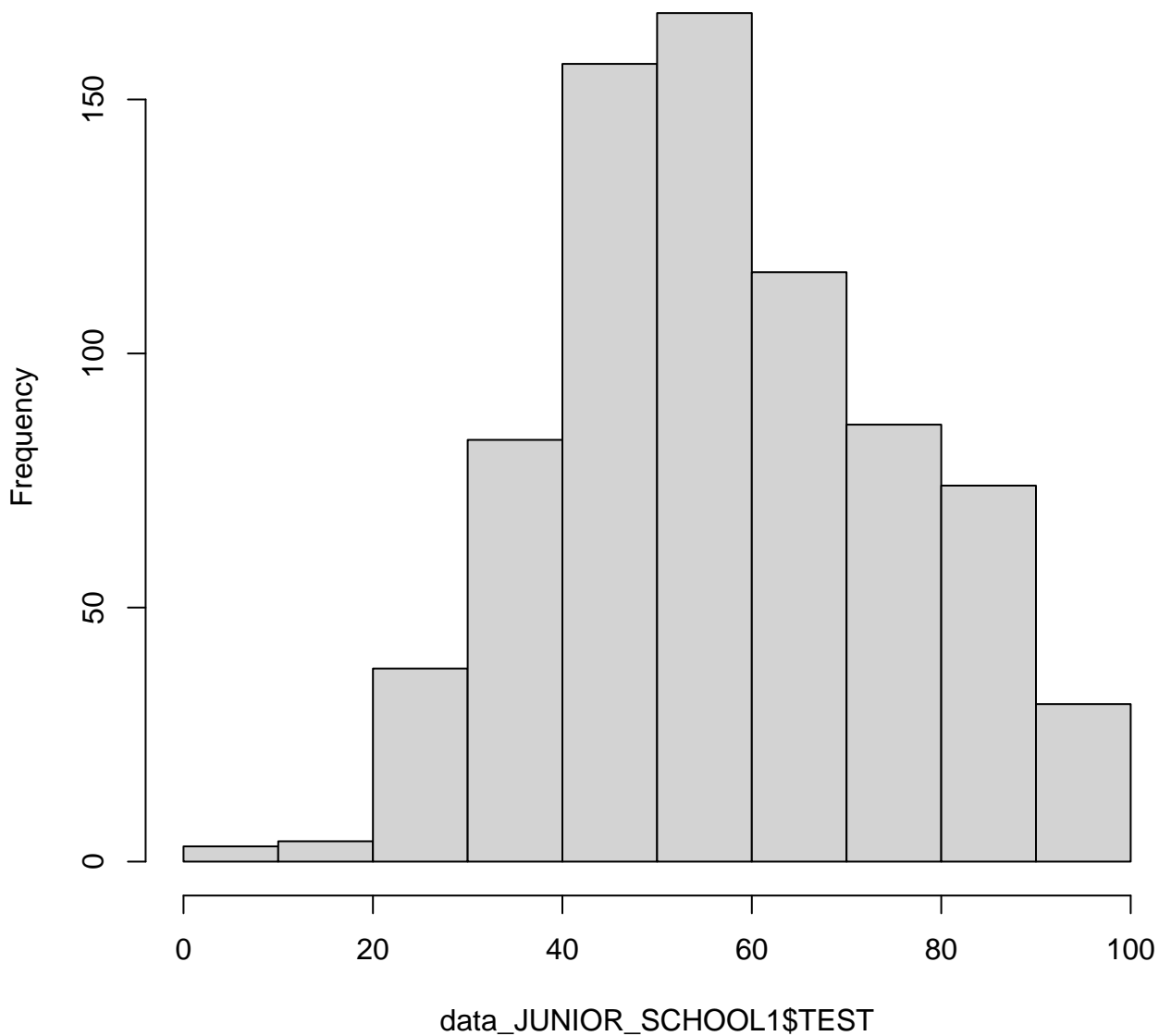
Histogram of data_JUNIOR_SCHOOL0\$BEHAV



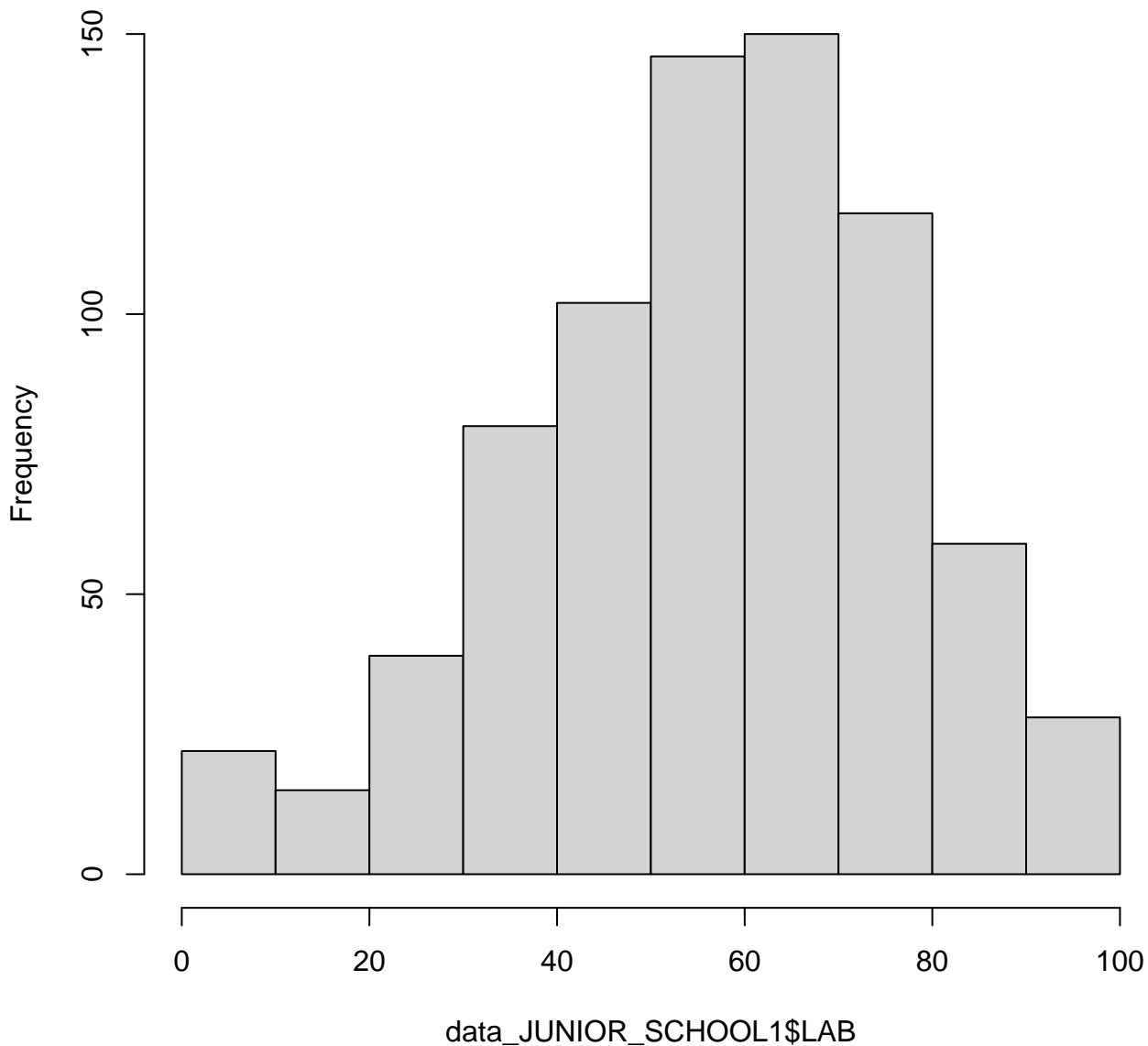
Histogram of data_JUNIOR_SCHOOL0\$CLASS



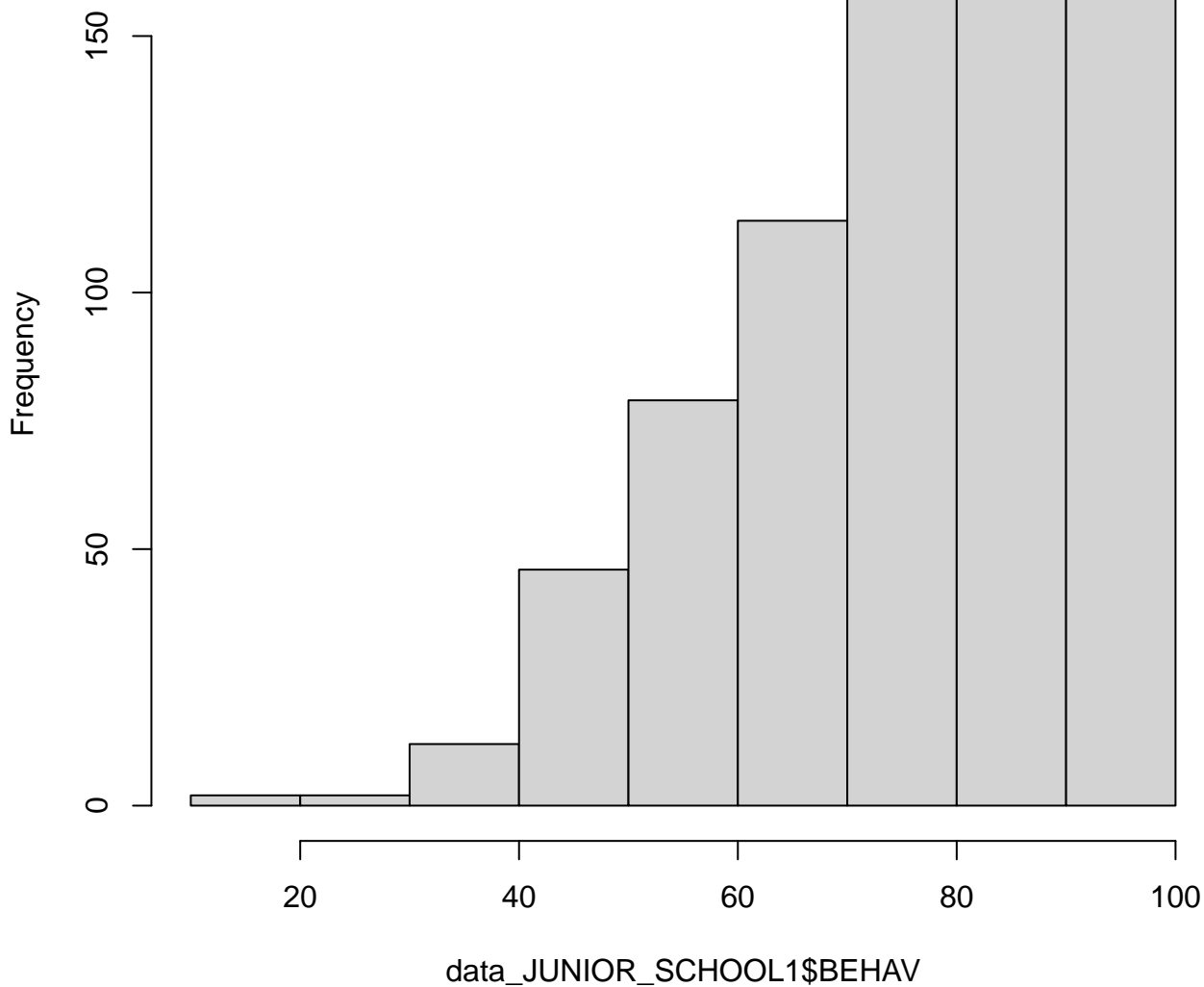
Histogram of data_JUNIOR_SCHOOL1\$TEST



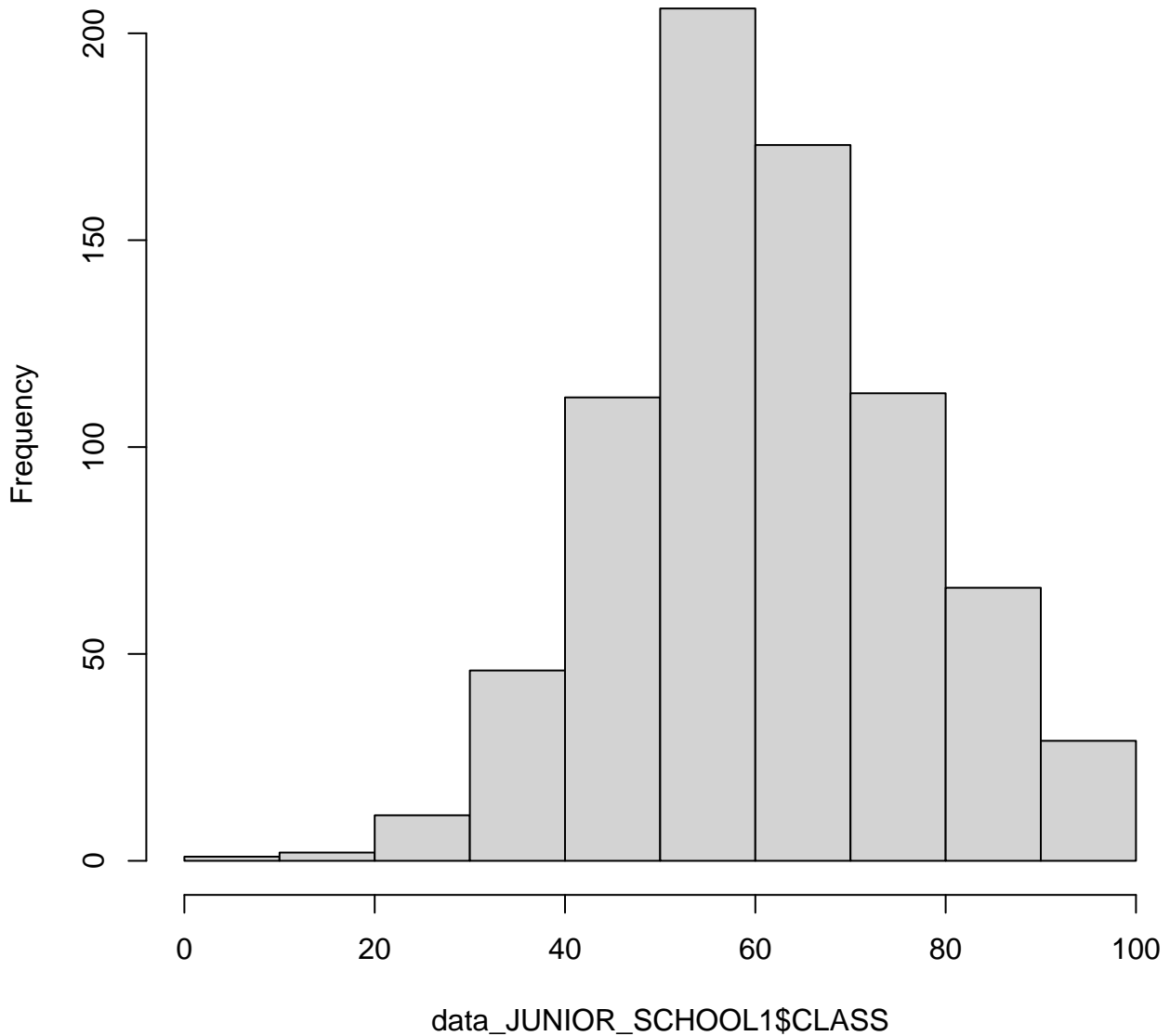
Histogram of data_JUNIOR_SCHOOL1\$LAB



Histogram of data_JUNIOR_SCHOOL1\$BEHAV



Histogram of data_JUNIOR_SCHOOL1\$CLASS



Normal QQ plot

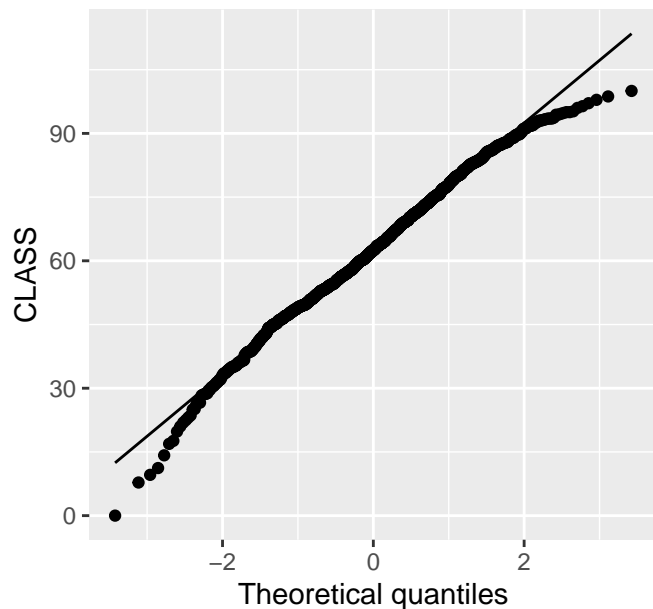
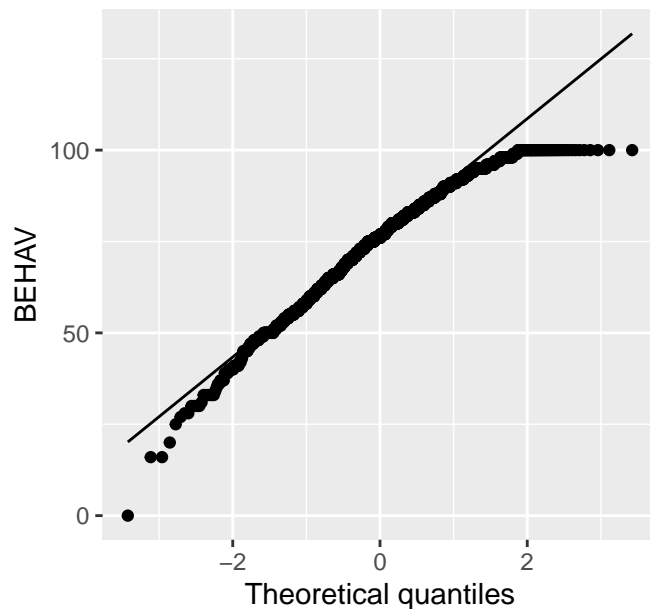
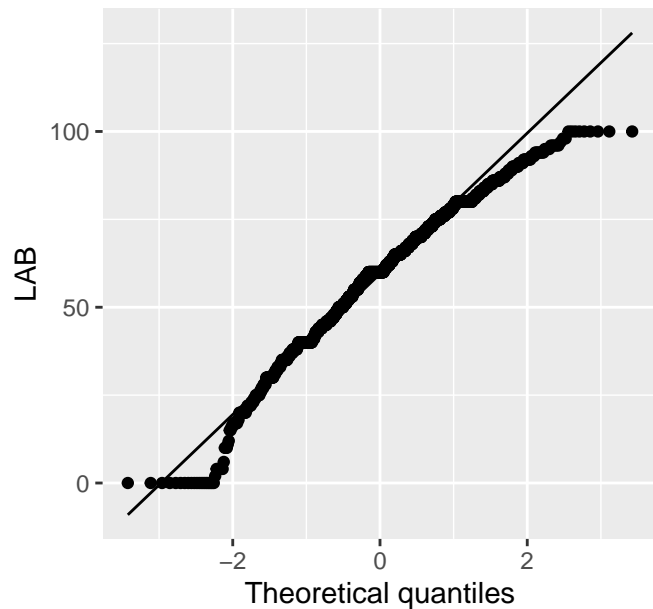
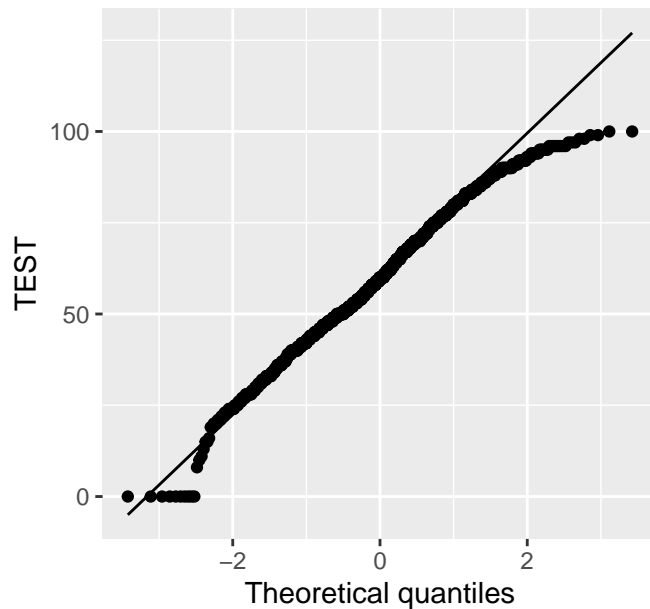


Figure 12: normality testing for all sample

Normal QQ plot

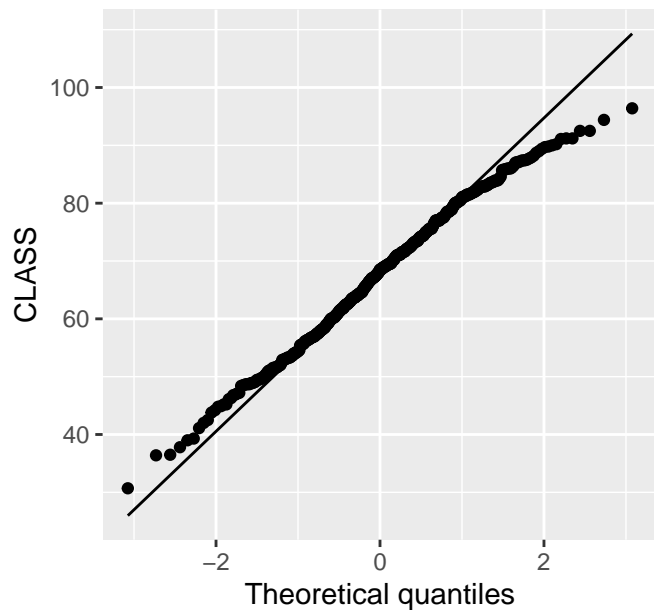
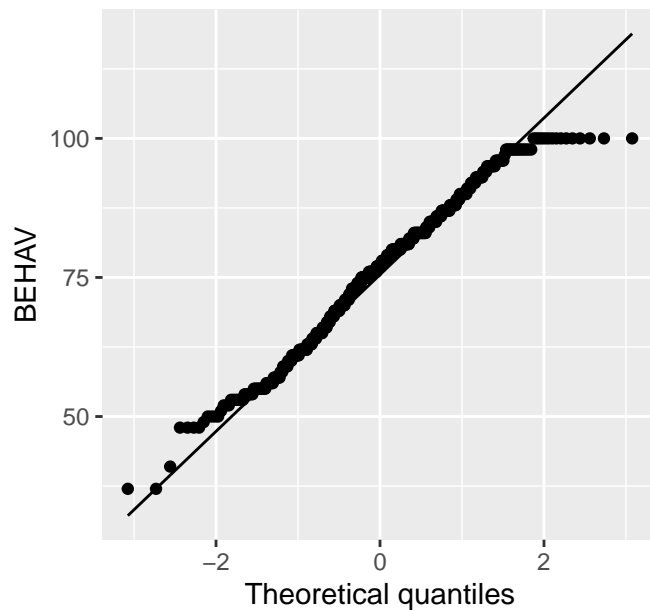
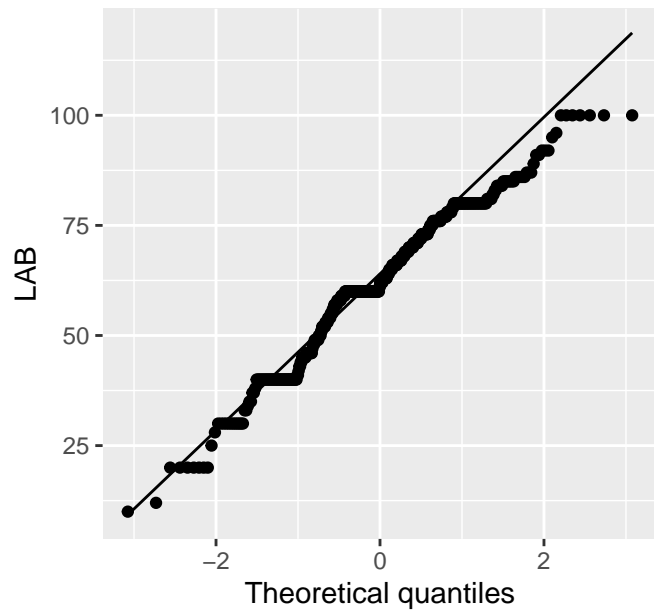
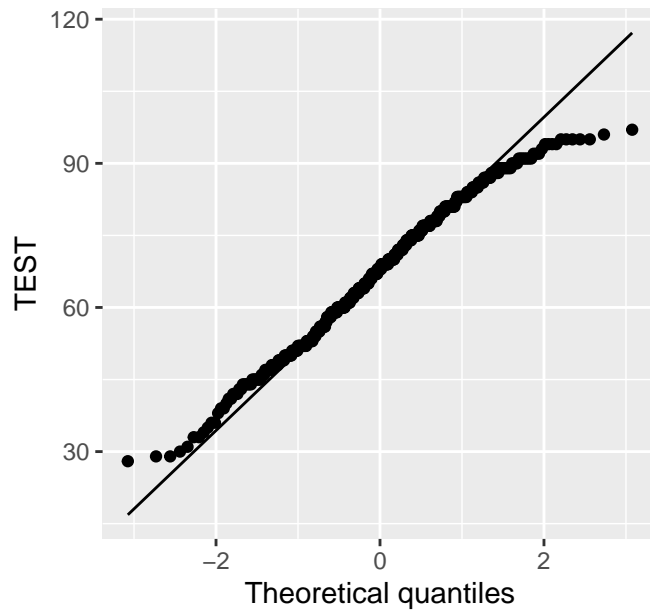


Figure 13: normality testing for SCHOOL 0

Normal QQ plot

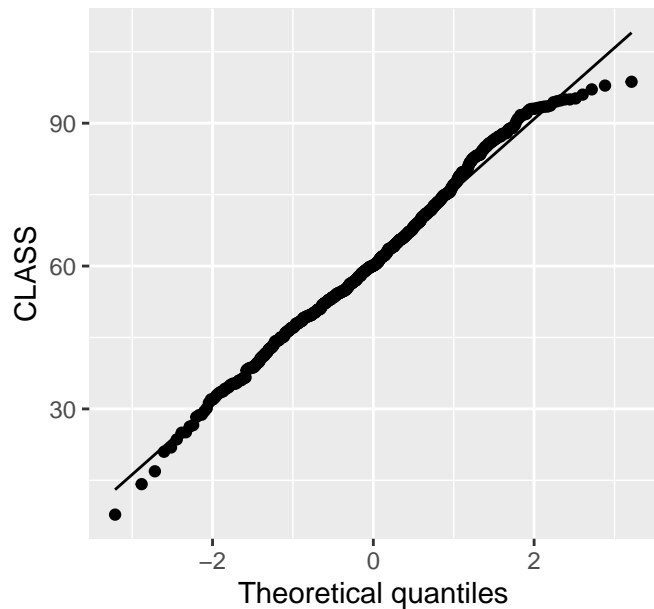
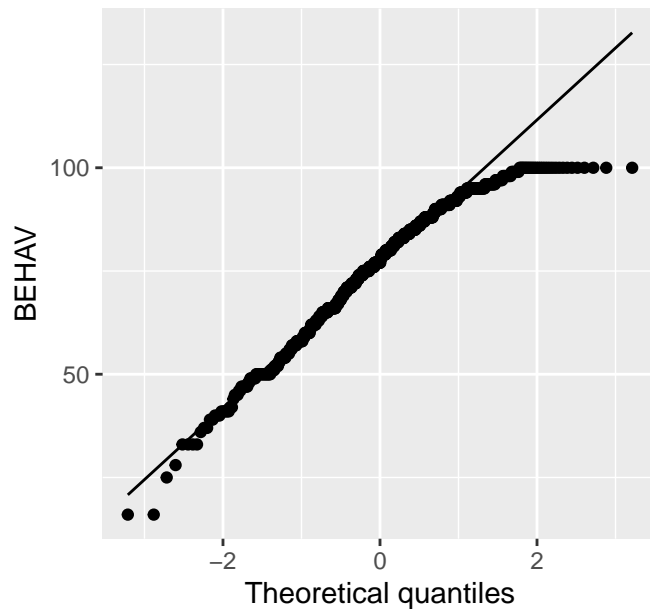
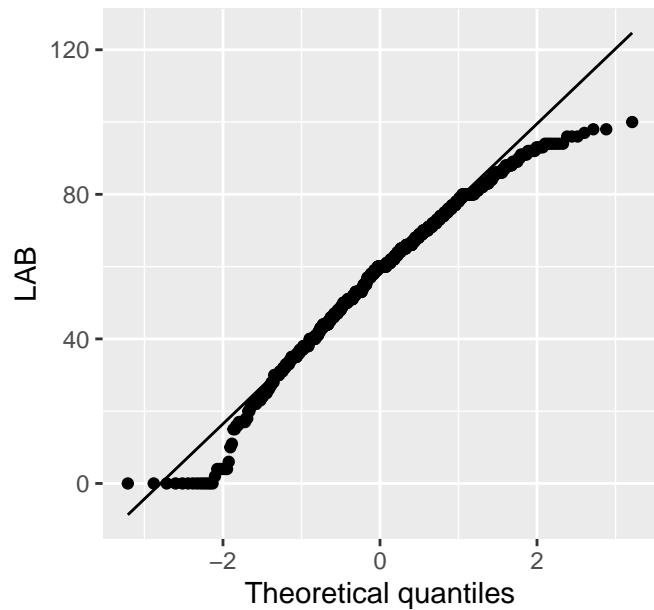
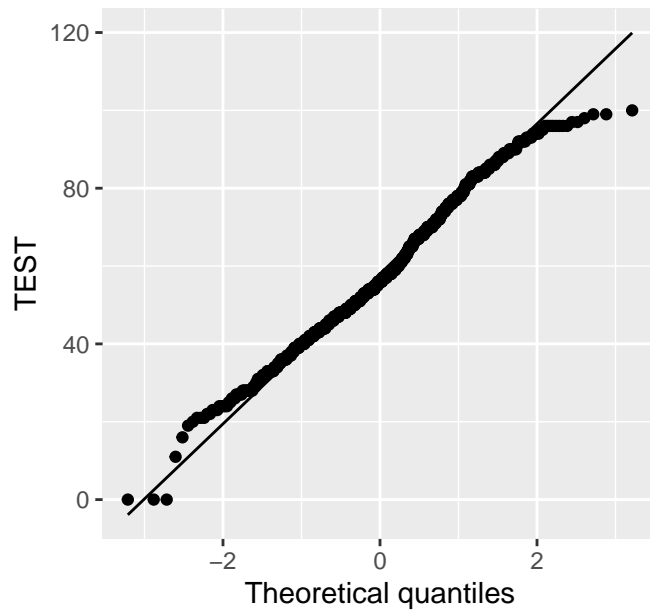
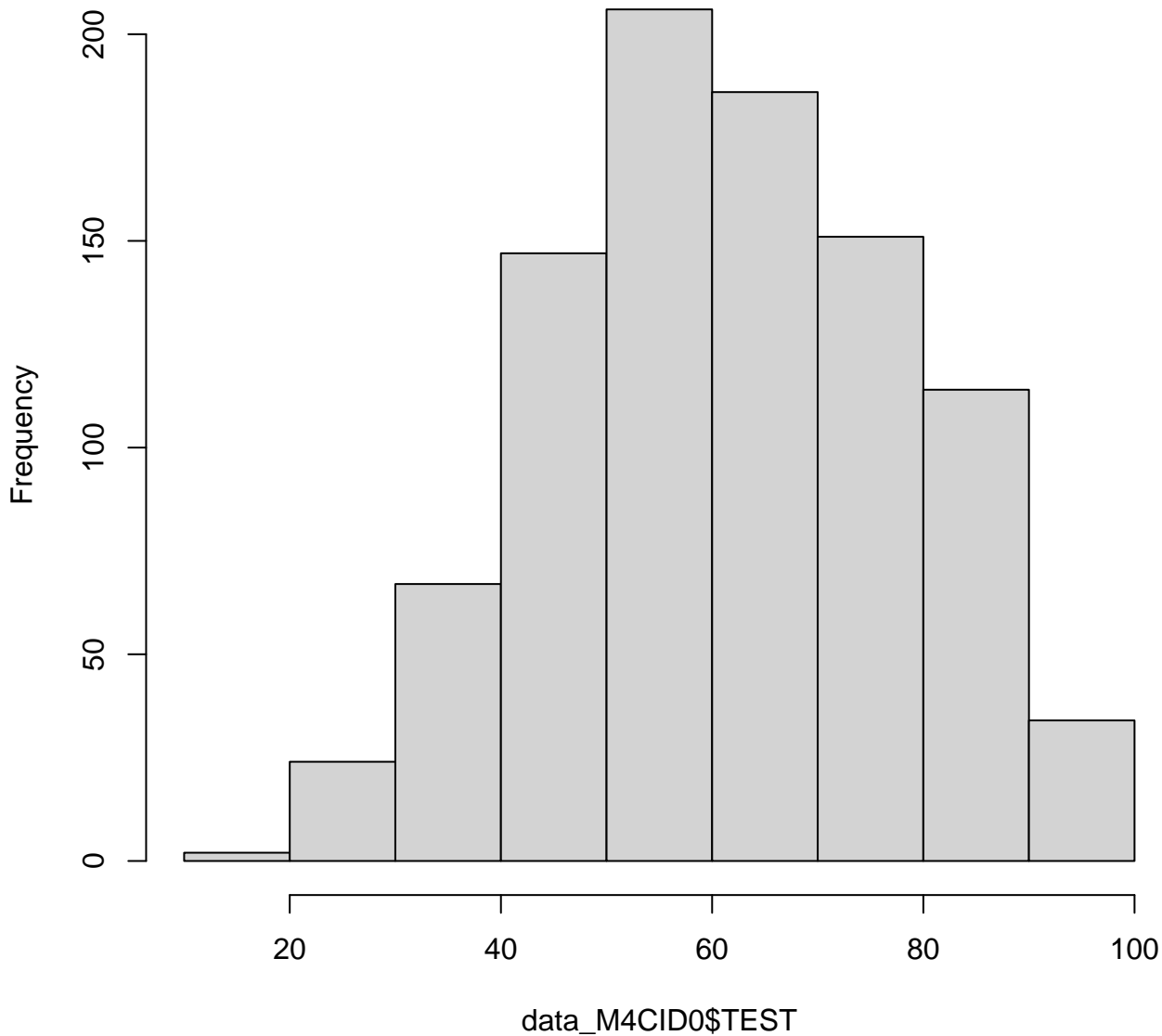
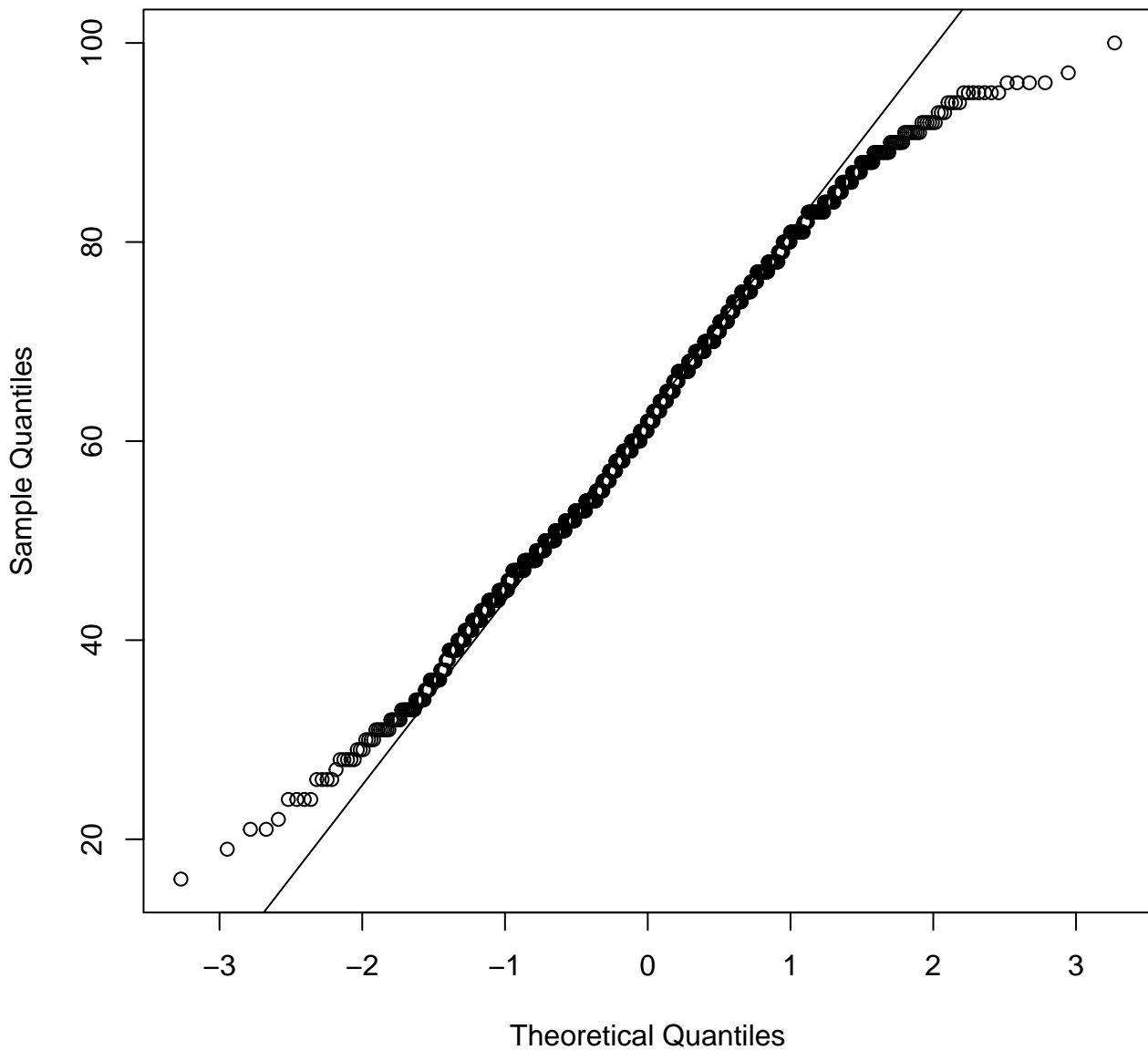


Figure 14: normality testing for SCHOOL 1

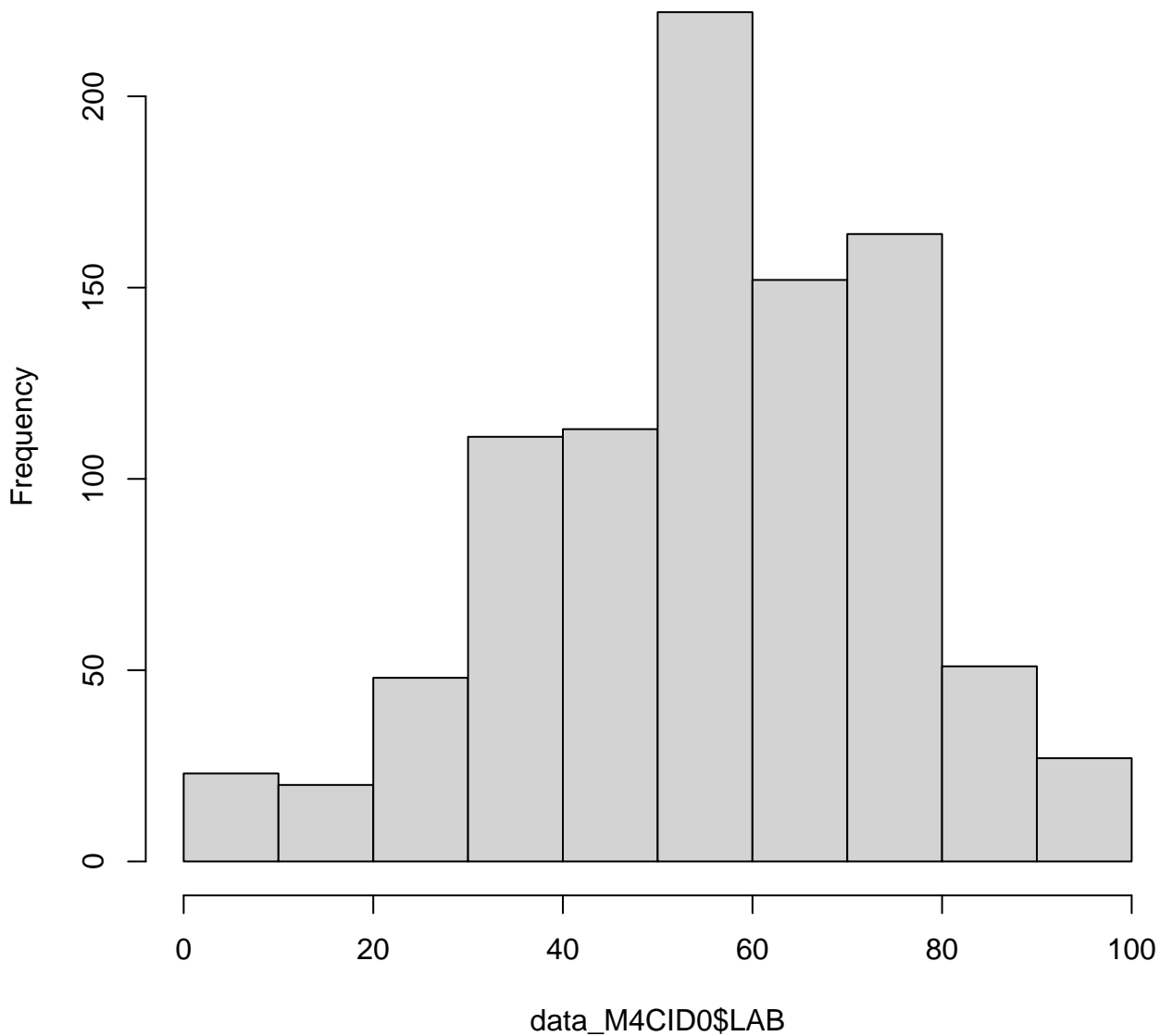
Histogram of data_M4CID0\$TEST



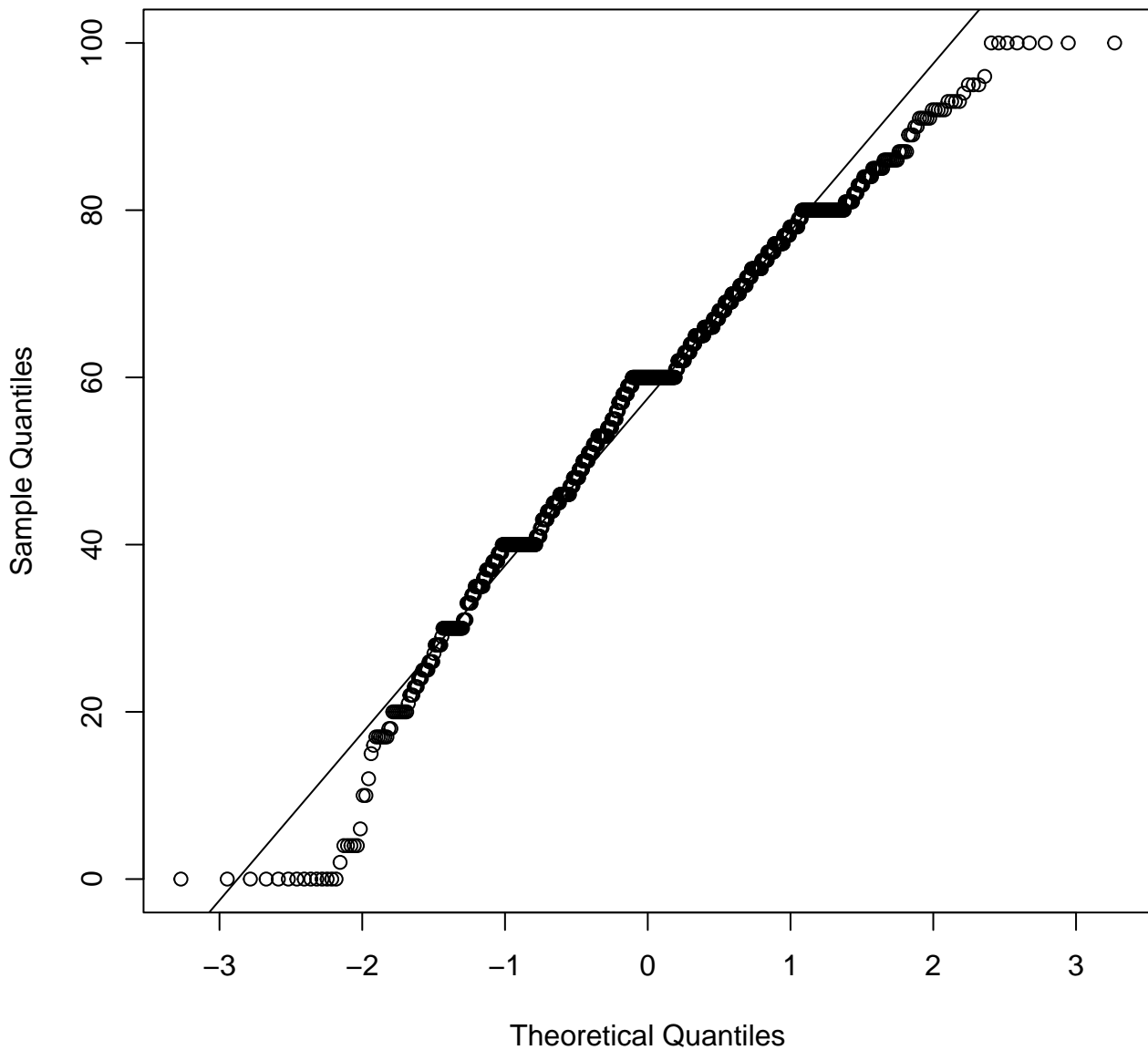
Normal Q-Q Plot



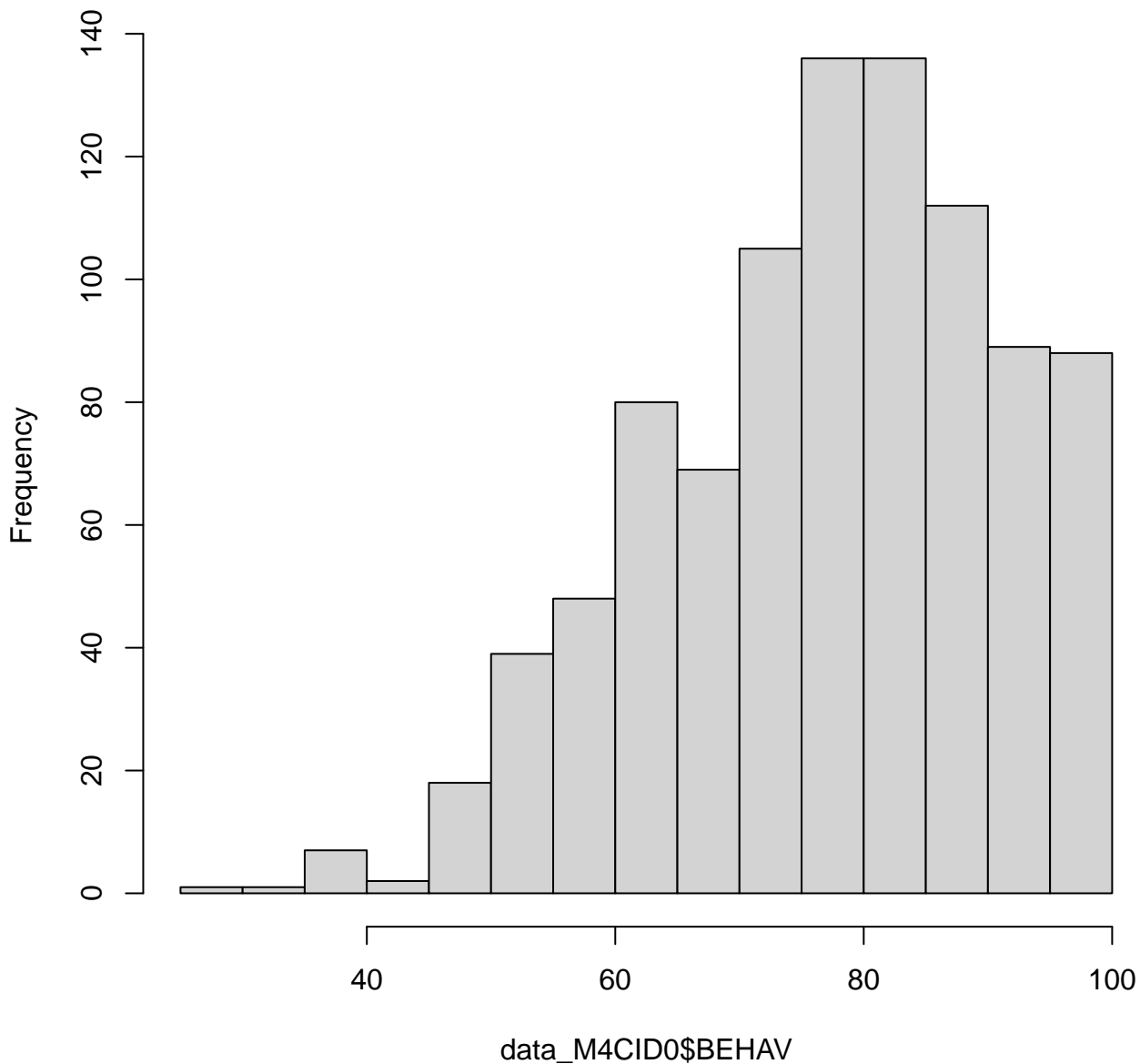
Histogram of data_M4CID0\$LAB



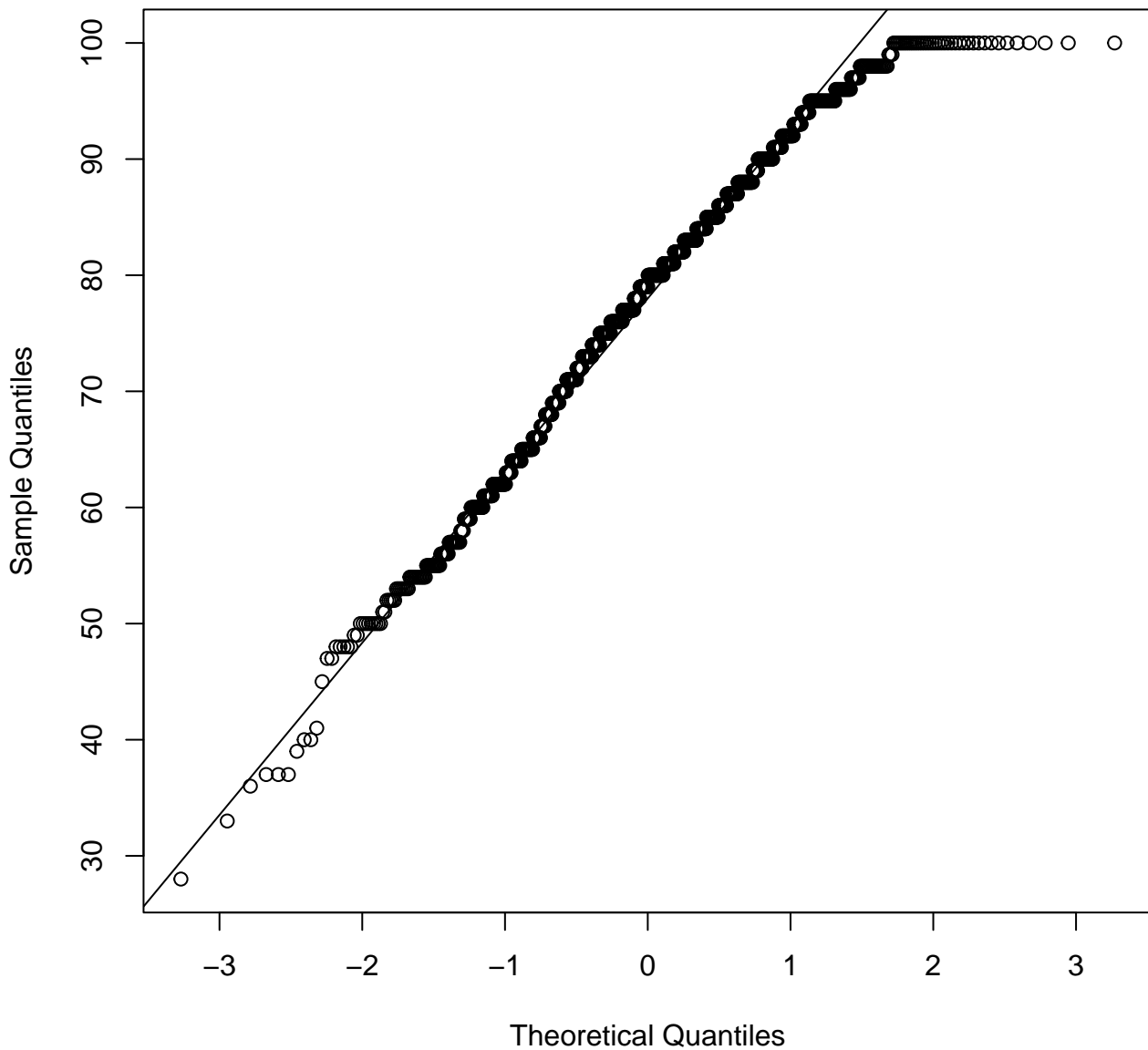
Normal Q-Q Plot



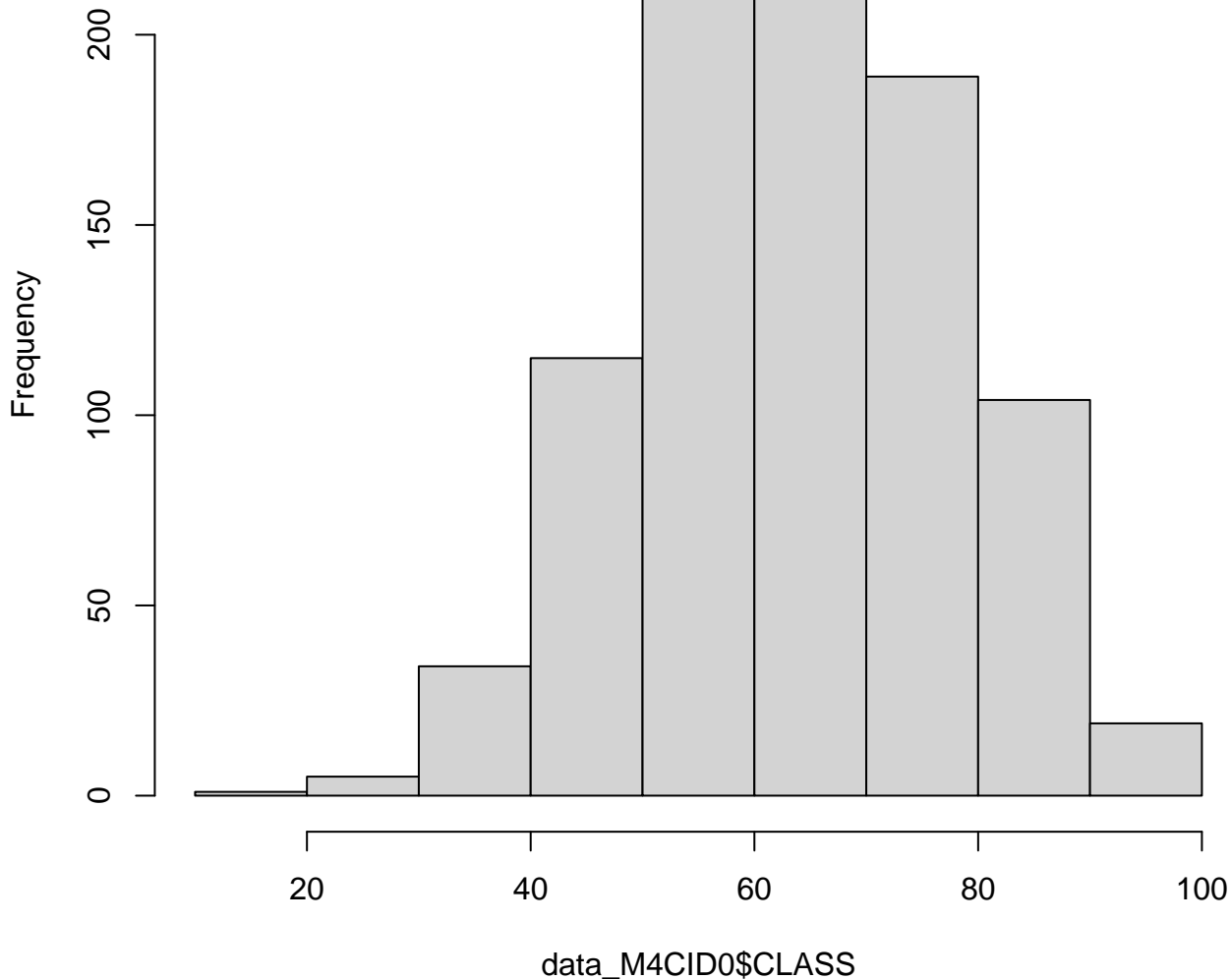
Histogram of data_M4CID0\$BEHAV



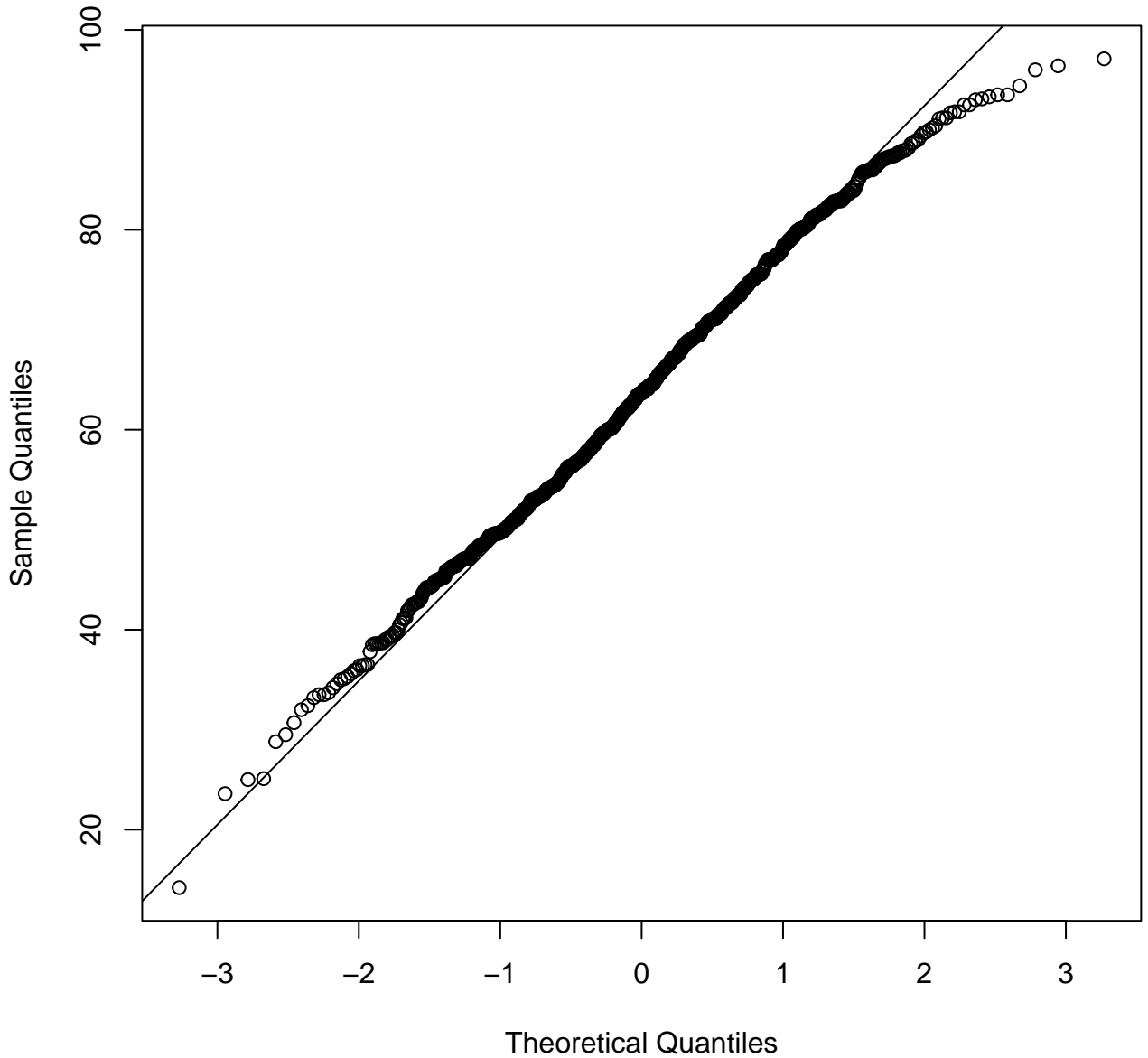
Normal Q-Q Plot



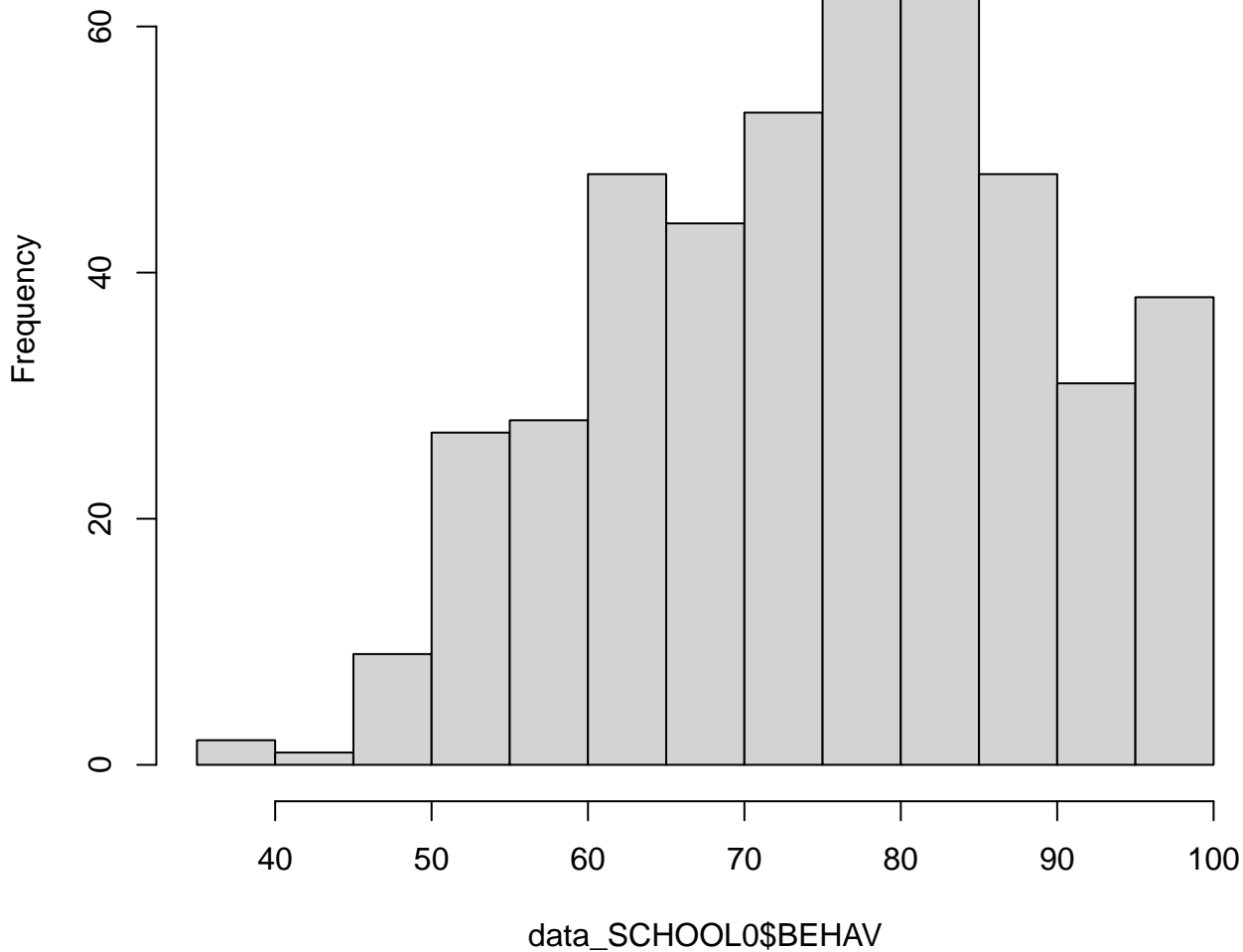
Histogram of data_M4CID0\$CLASS



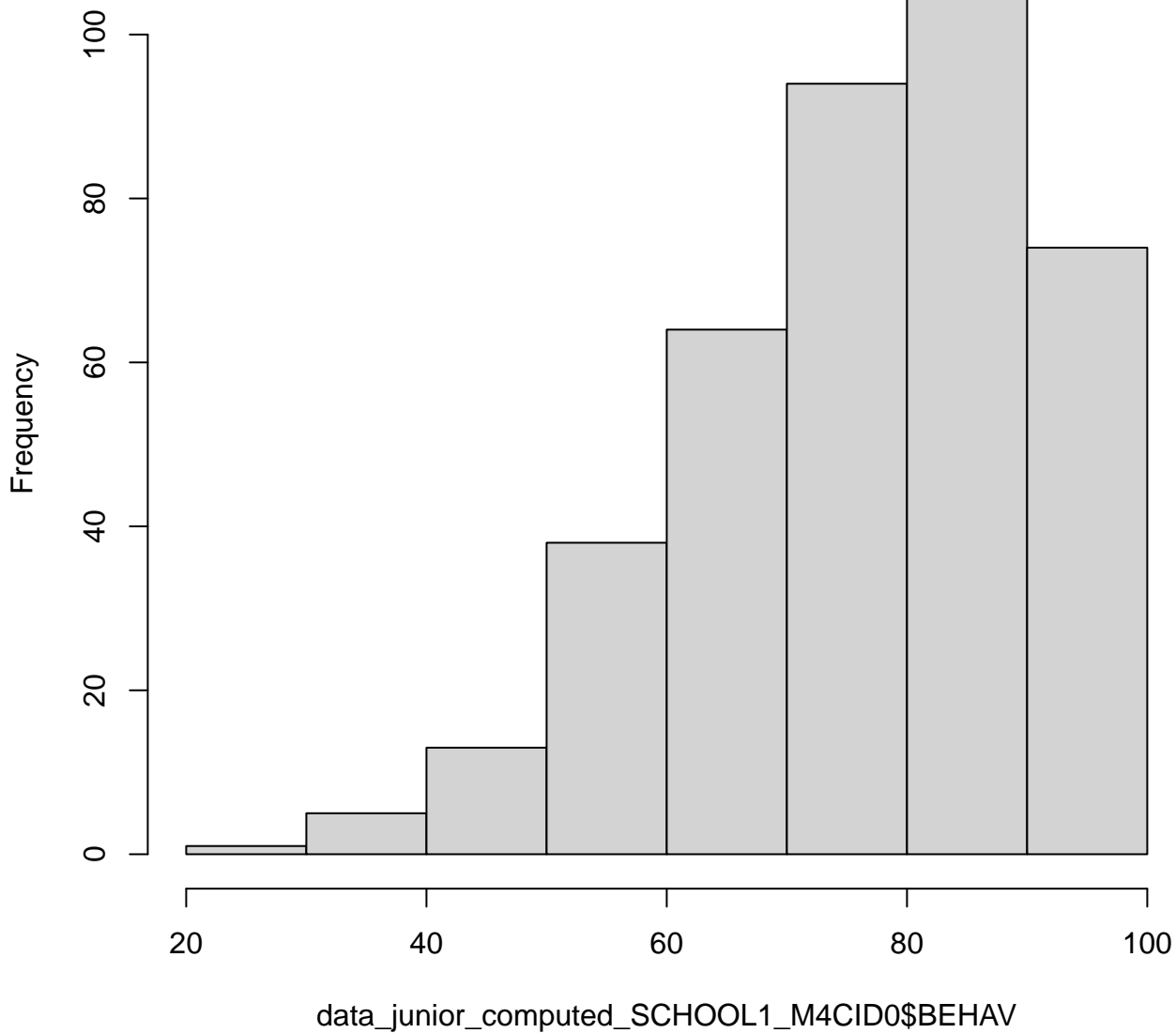
Normal Q-Q Plot



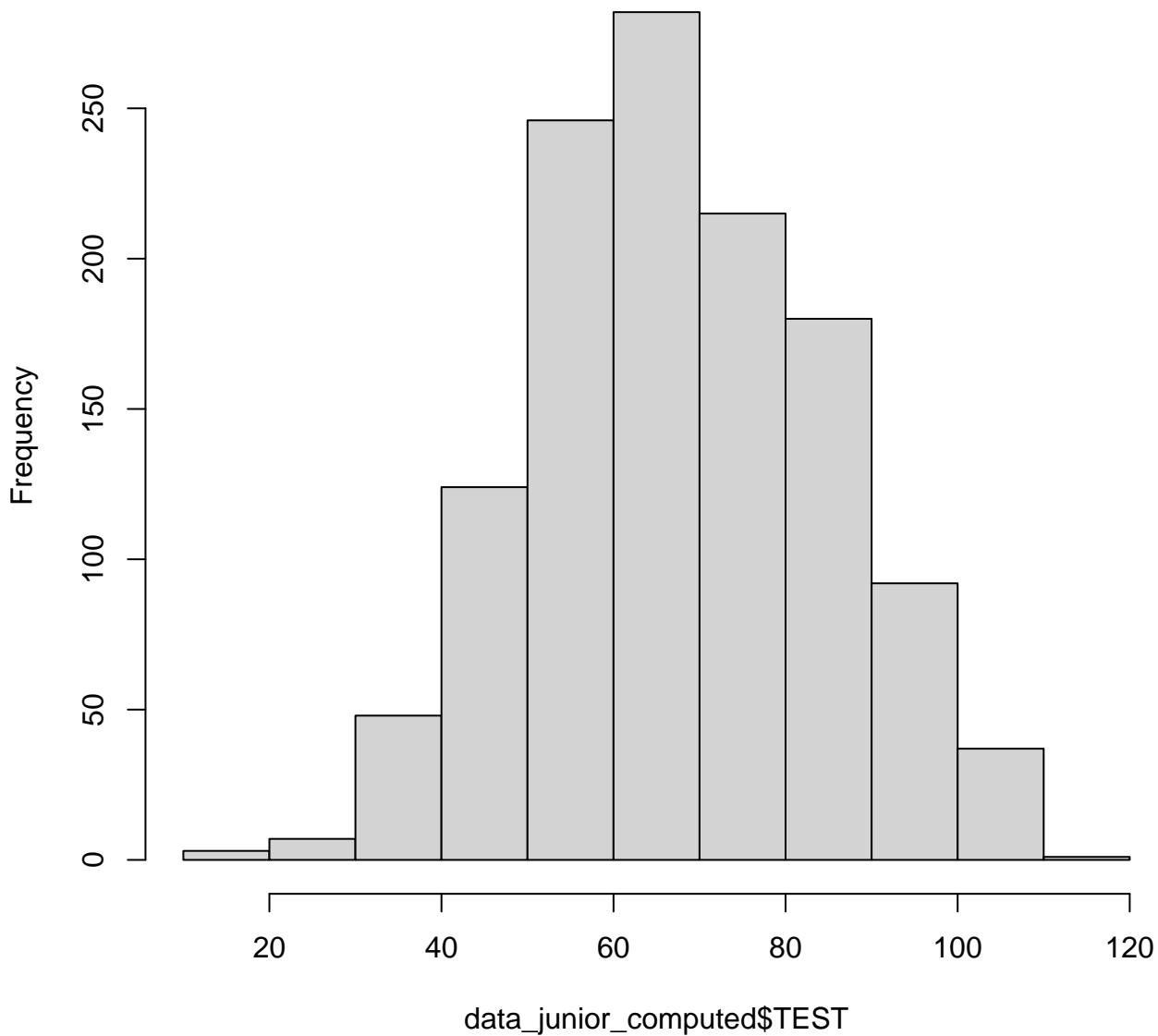
Histogram of data_SCHOOL0\$BEHAV



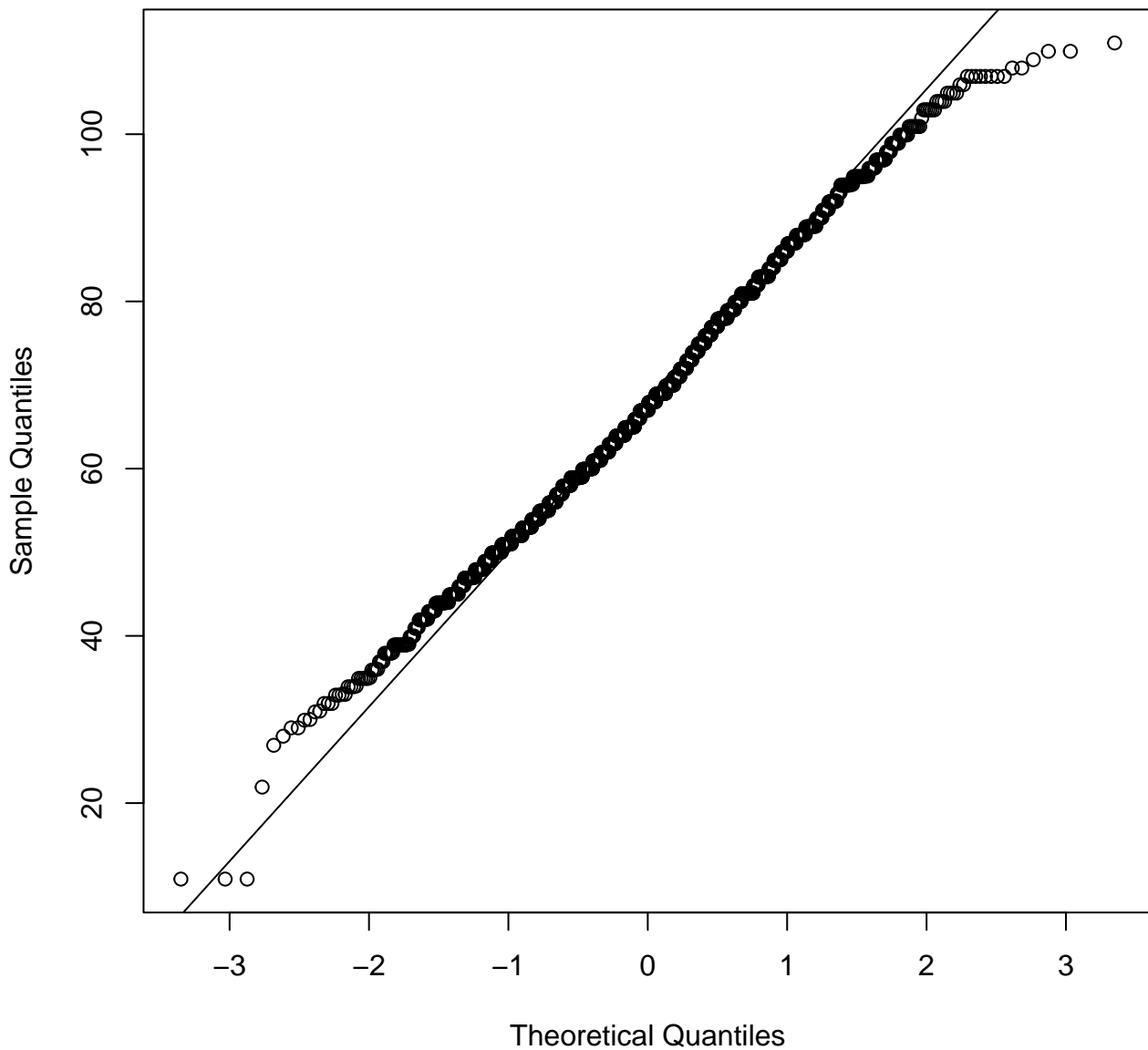
Histogram of data_junior_computed_SCHOOL1_M4CID0\$BEHAV



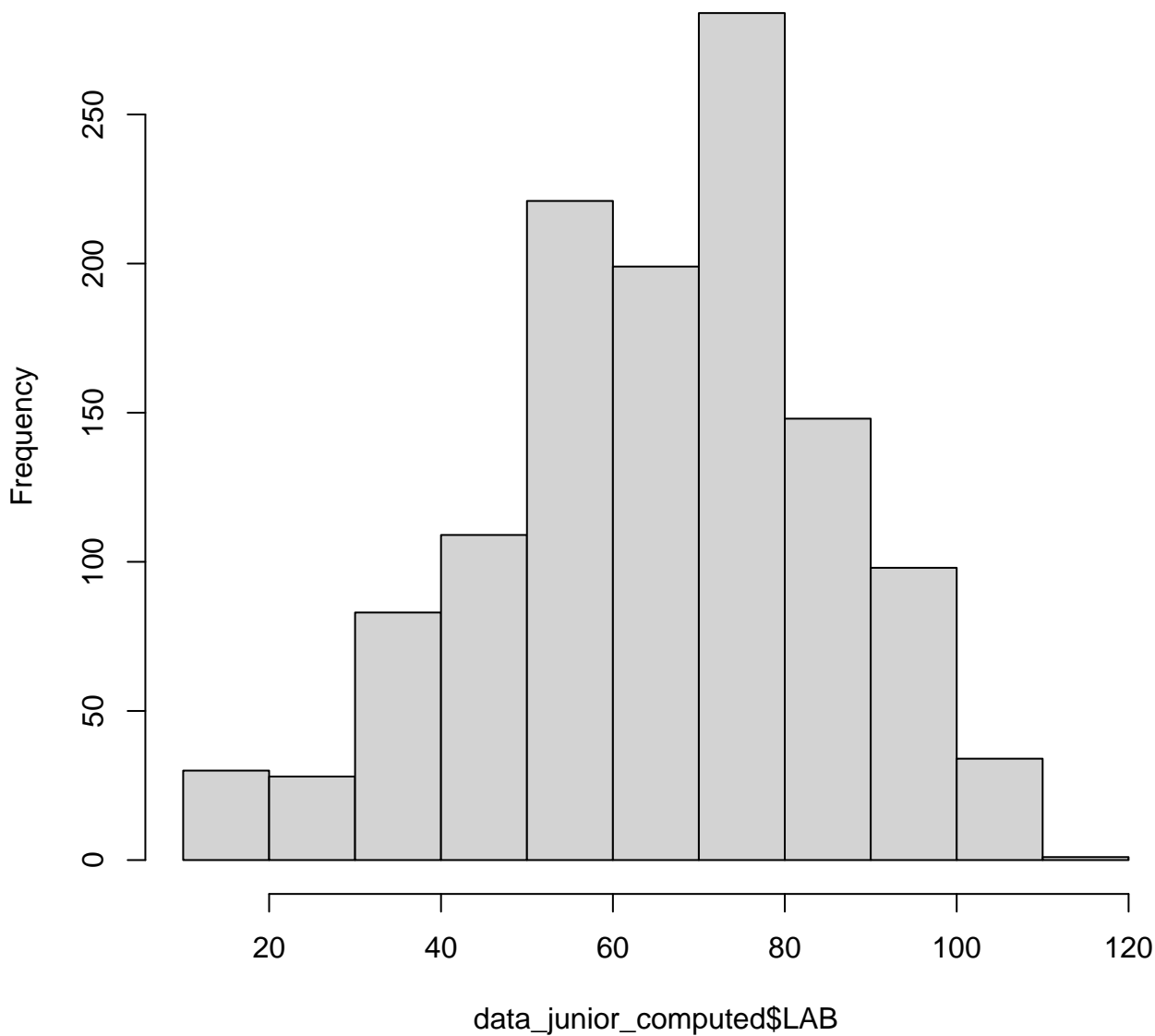
Histogram of data_junior_computed\$TEST



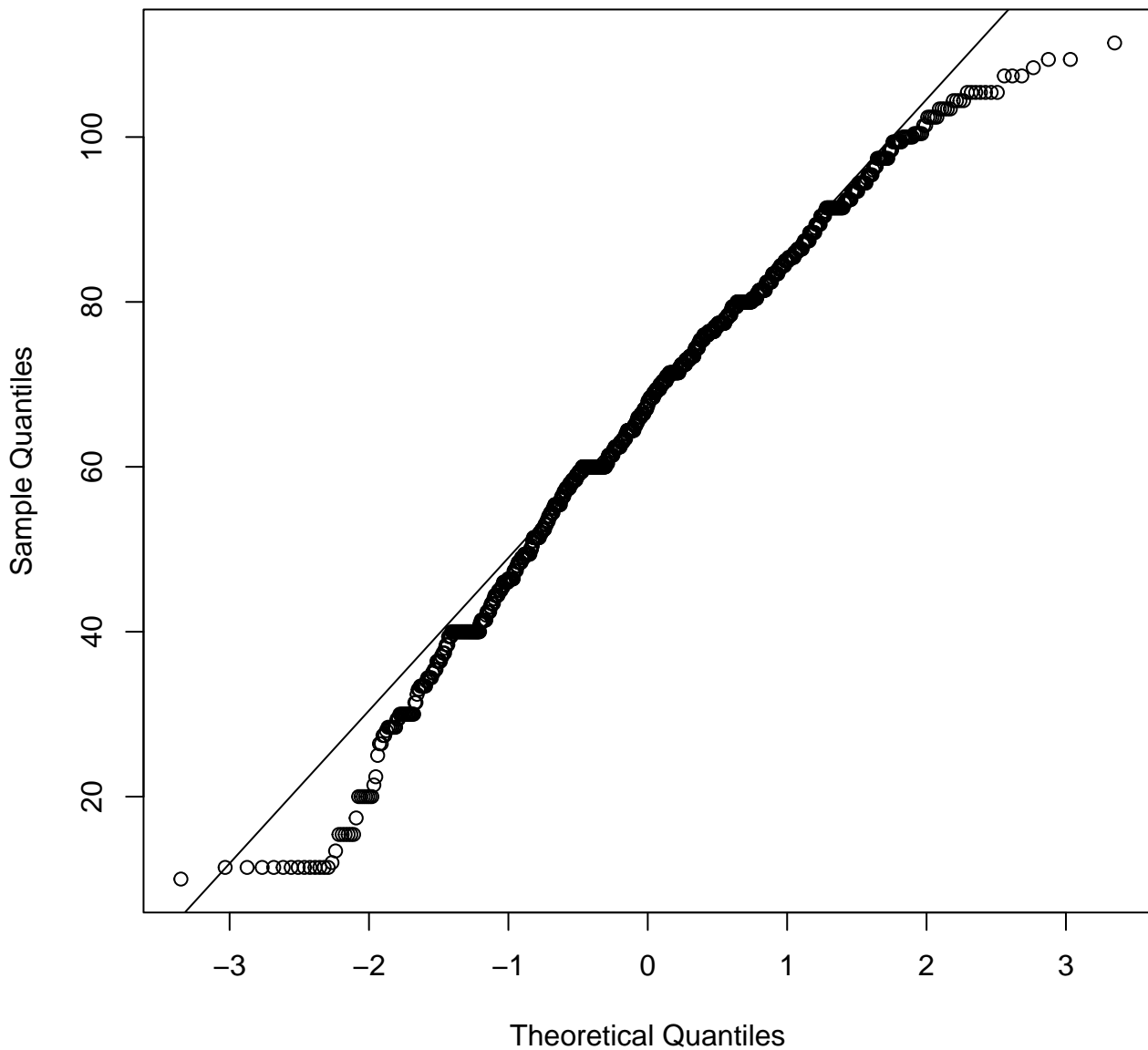
Normal Q-Q Plot



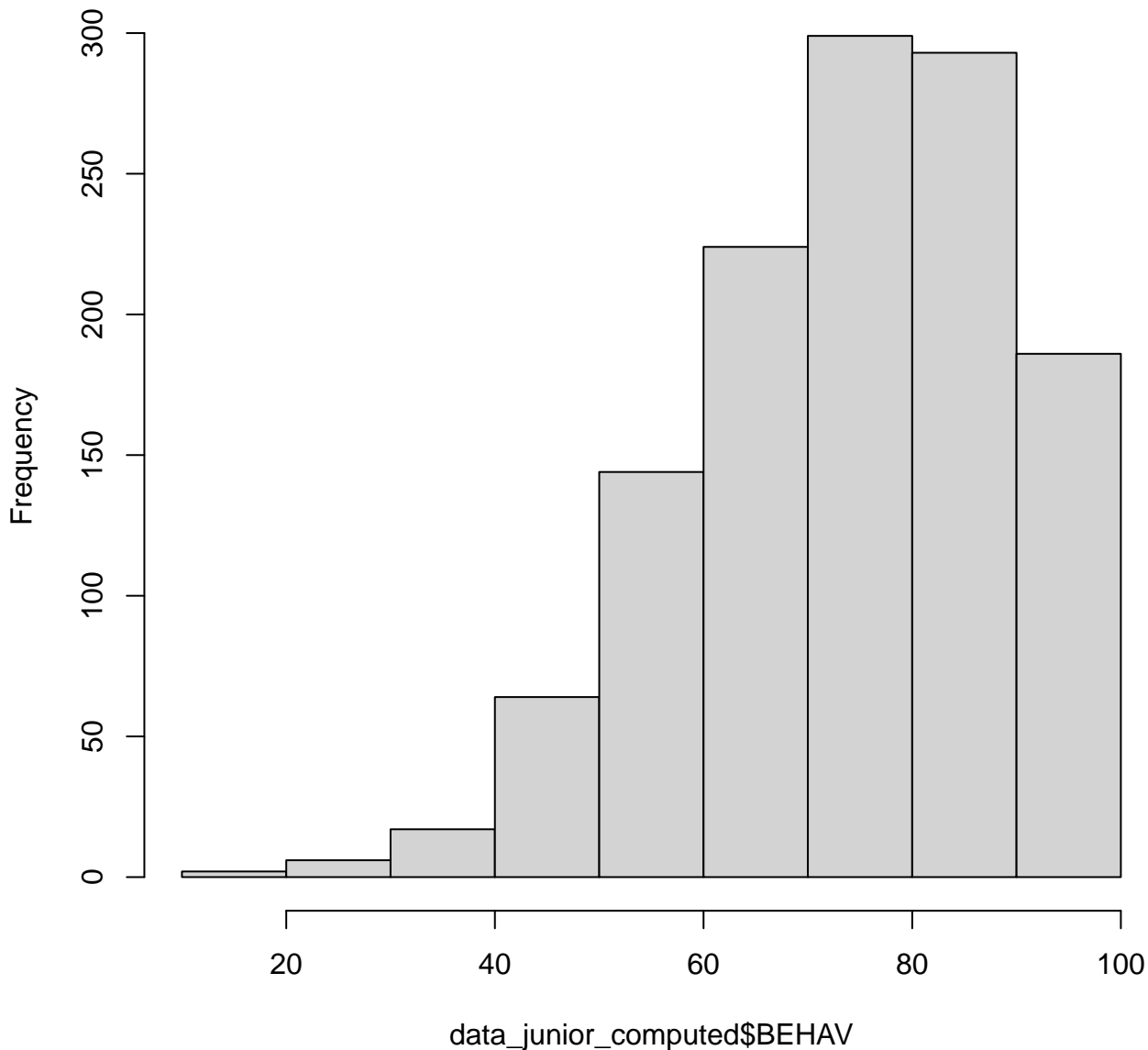
Histogram of data_junior_computed\$LAB



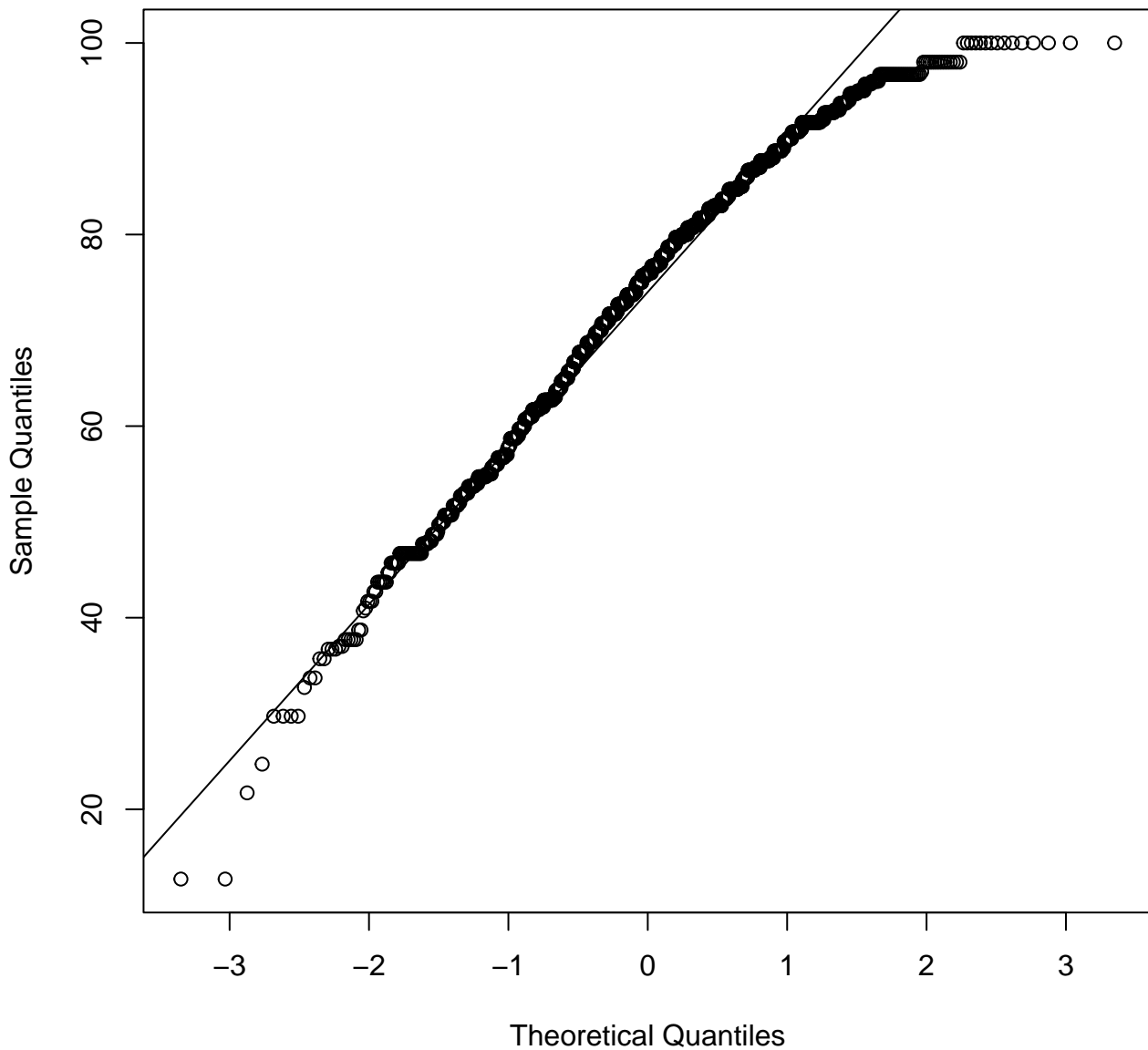
Normal Q-Q Plot



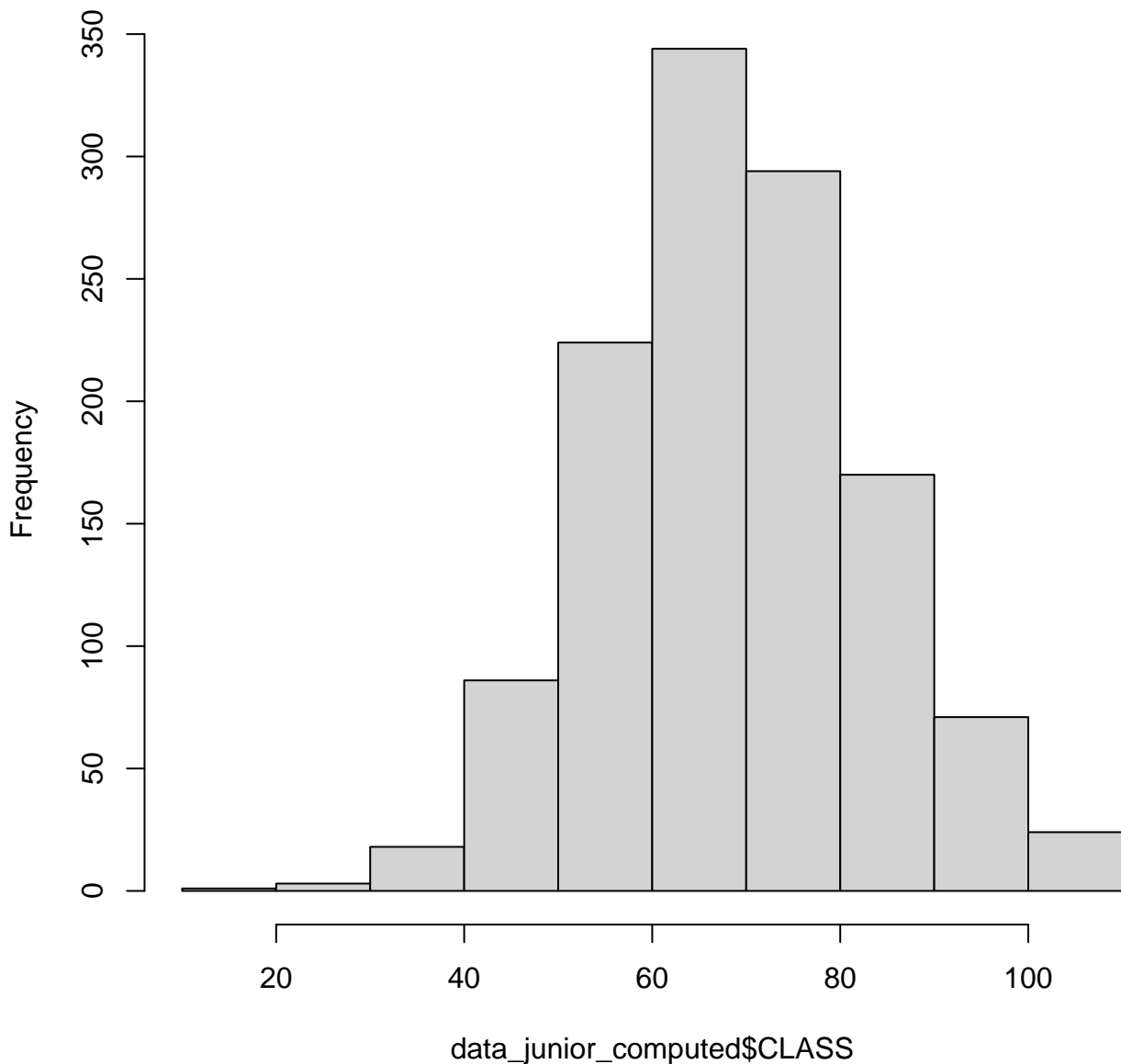
Histogram of data_junior_computed\$BEHAV



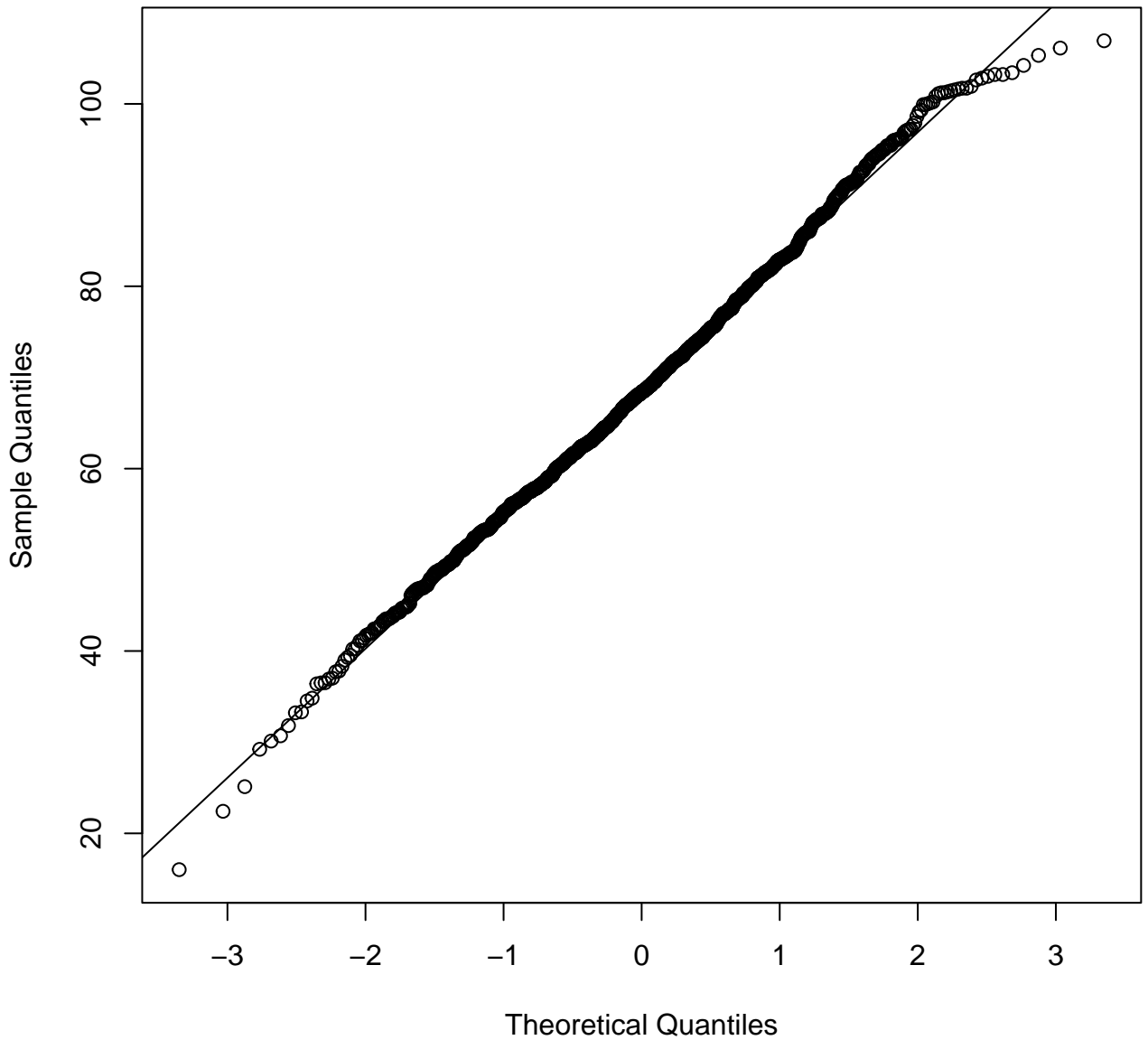
Normal Q-Q Plot



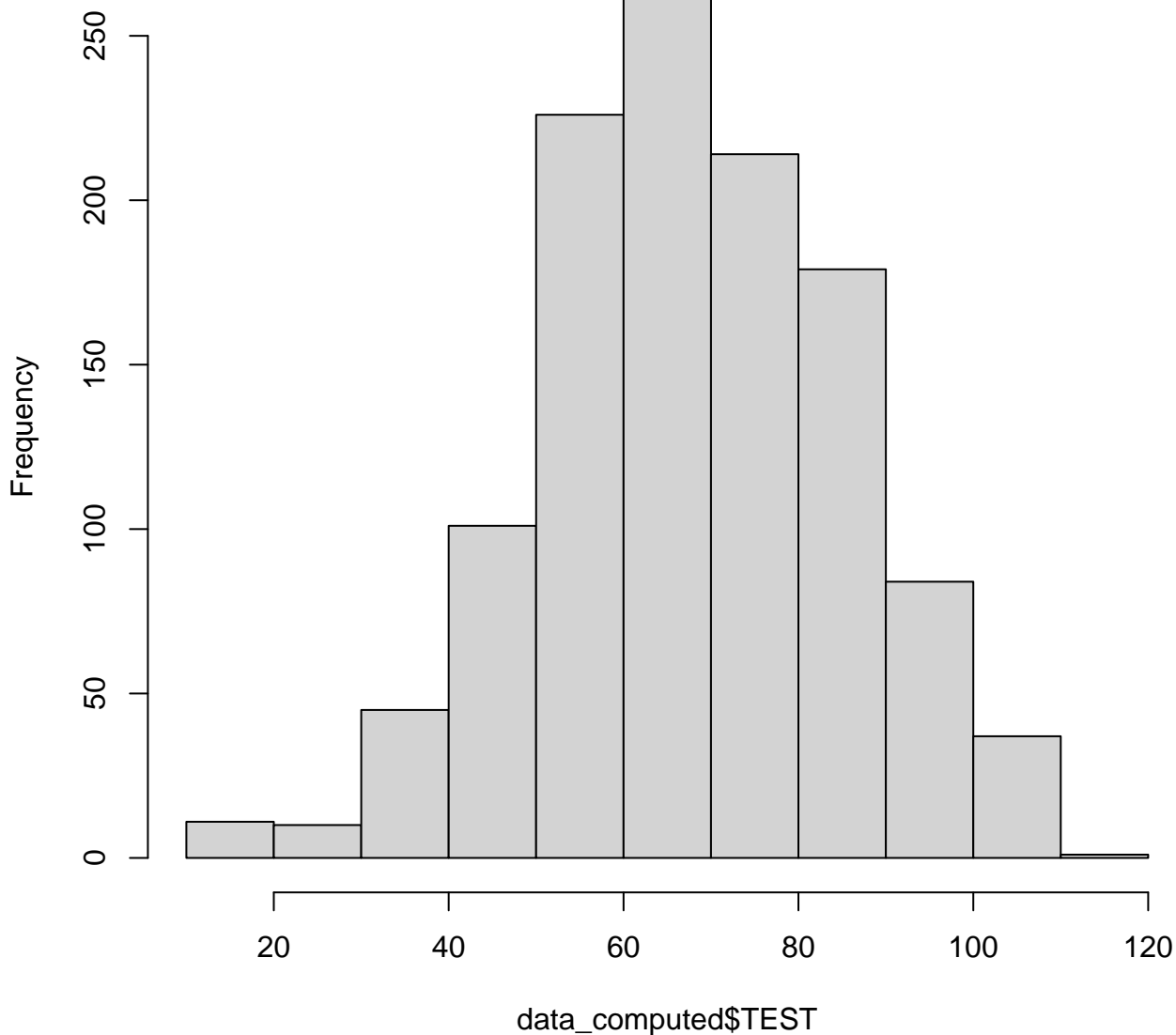
Histogram of data_junior_computed\$CLASS



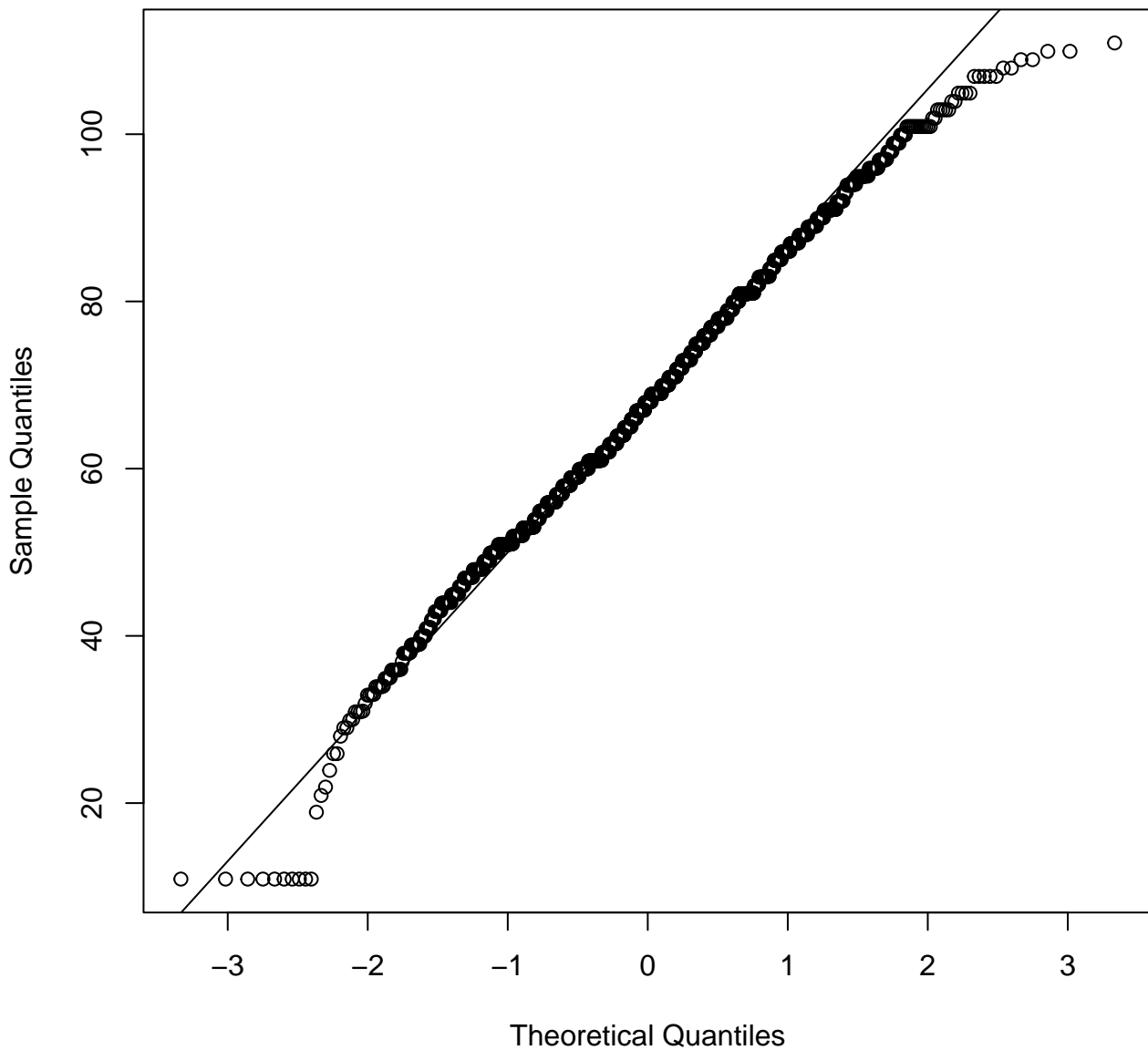
Normal Q-Q Plot



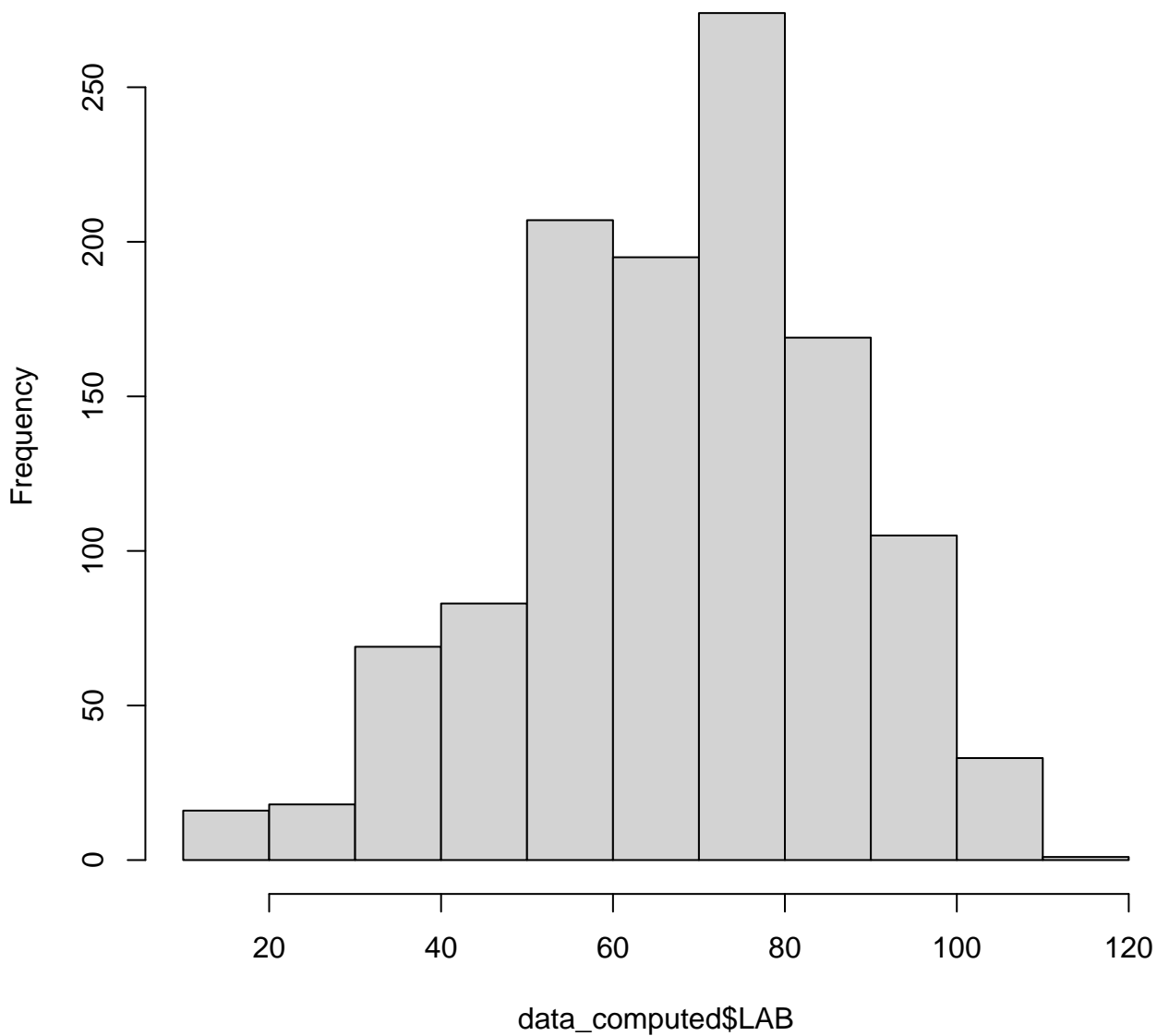
Histogram of data_computed\$TEST



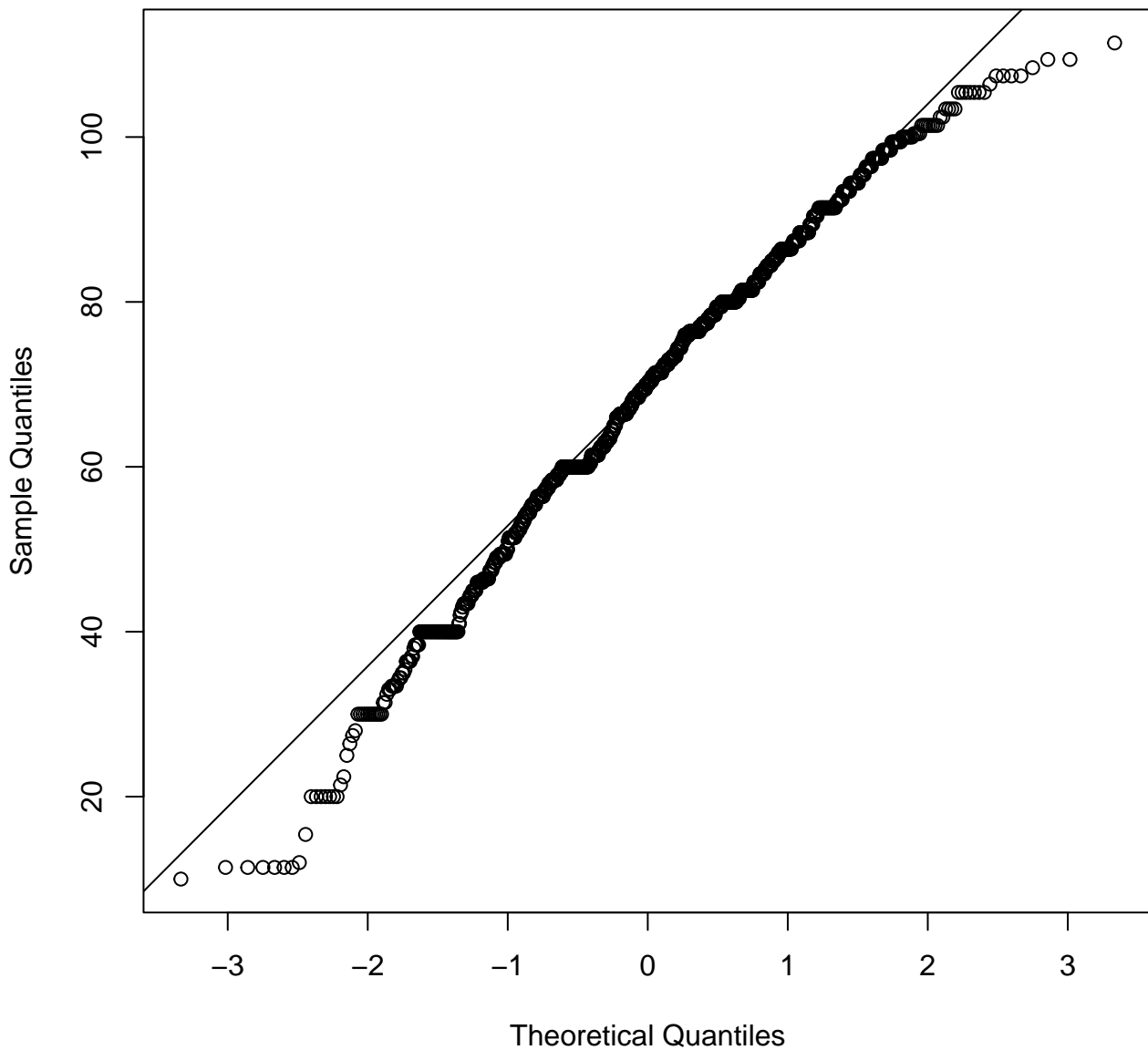
Normal Q-Q Plot



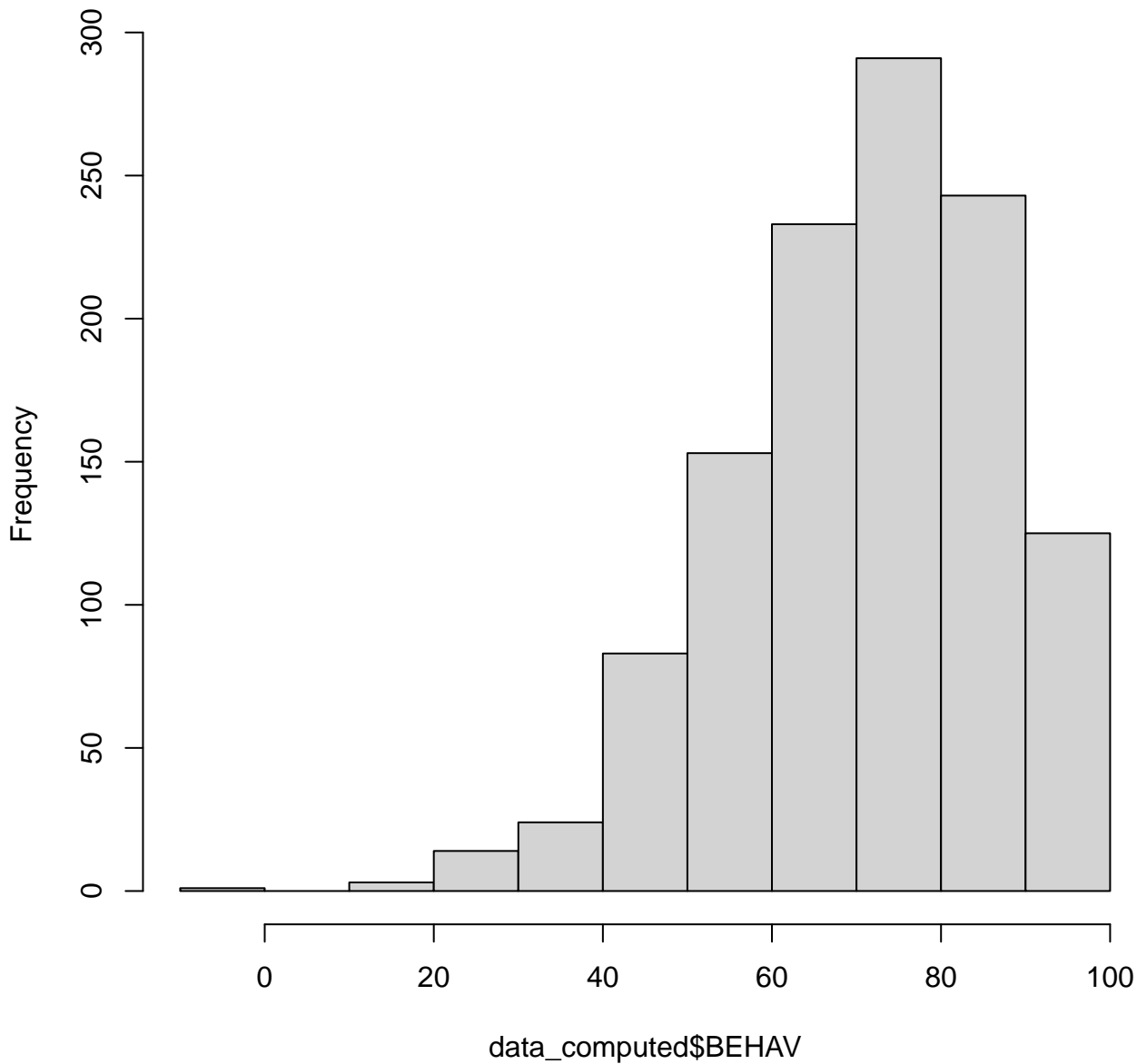
Histogram of data_computed\$LAB



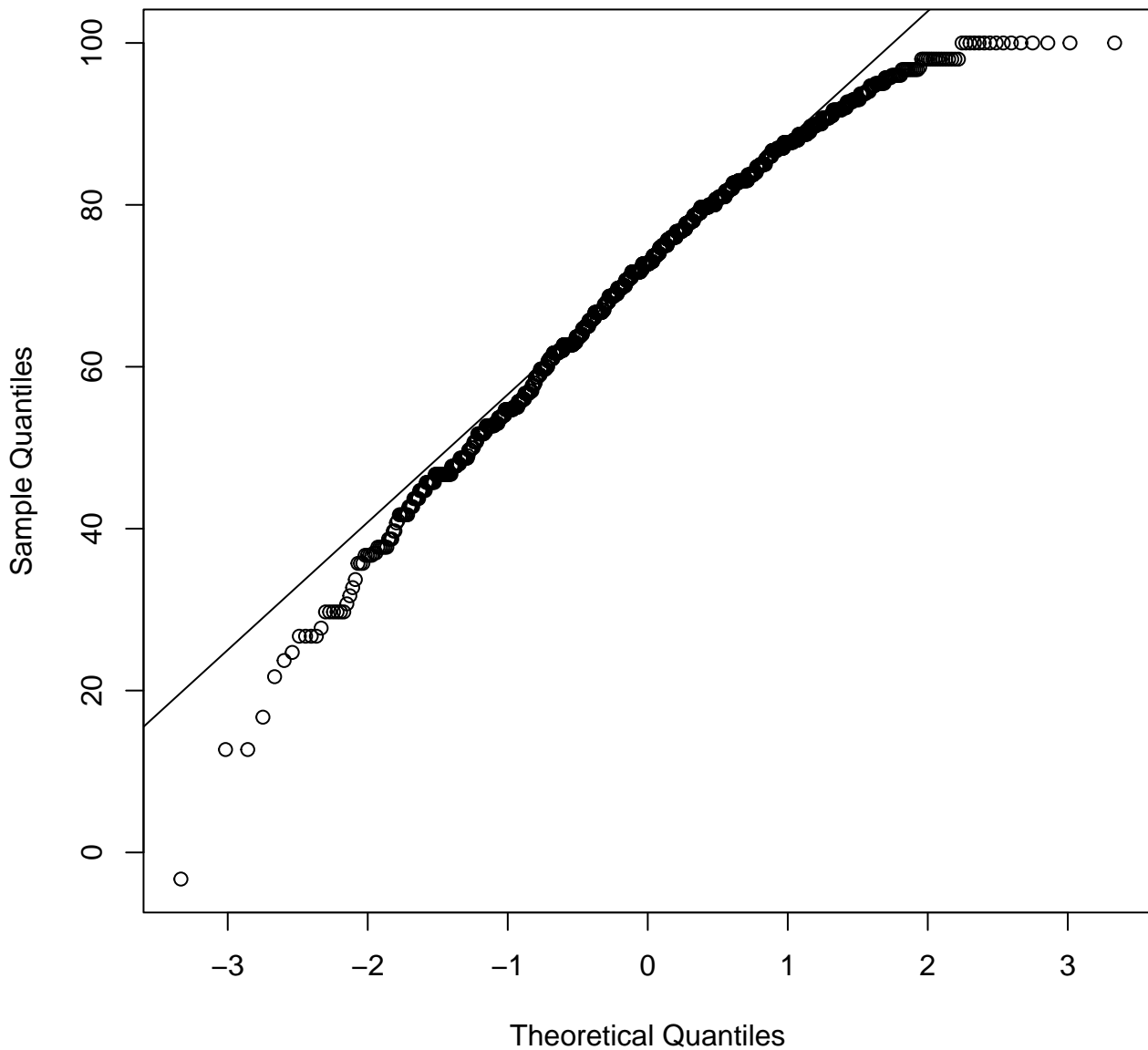
Normal Q-Q Plot



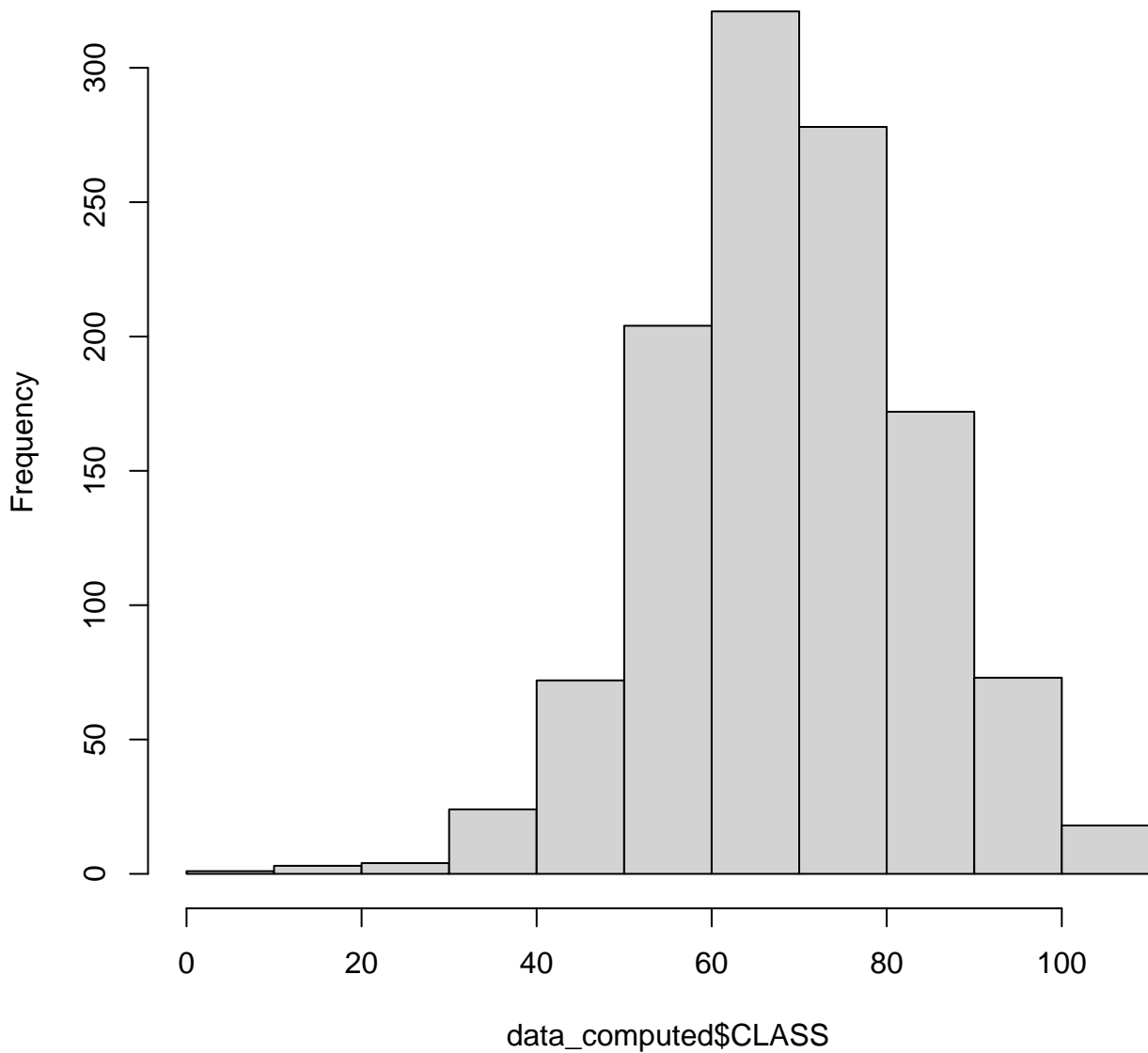
Histogram of data_computed\$BEHAV



Normal Q-Q Plot



Histogram of data_computed\$CLASS



Normal Q-Q Plot

