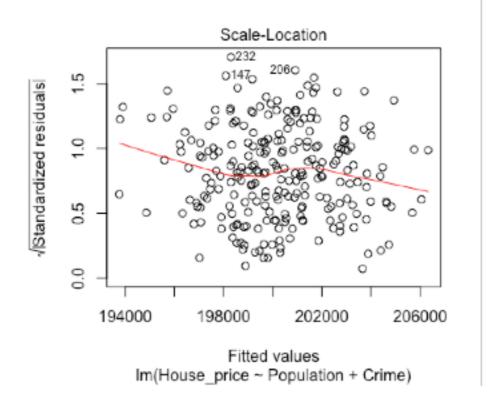
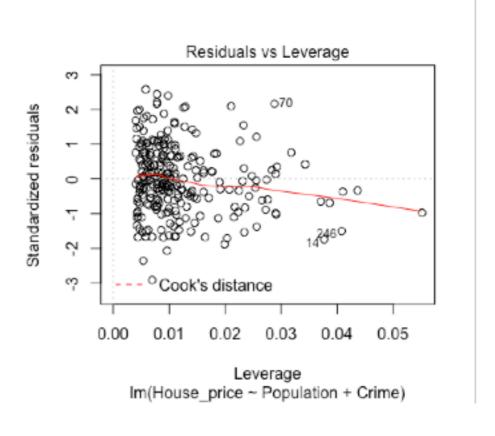
The Scale-Location plot shows if residuals are spread equally along the ranges of predictors. We used this to check the assumption of equal variance (homoscedasticity). We really want to see a horizontal line with equally, randomly spread points.

The Residuals vs. Leverage plot tells us about influential outliers (i.e., outliers that are affecting our model) - when cases are outside of Cook's distance (beyond the dashed line) it means they are having an influential affect on the regression model - we'd might want to exclude these points and rebuild our model.





Durbin Watson Test

 This tests for the non-independence of errors - our errors need to be independent (one of the assumptions of regression). This test needs the car package to be loaded.

A D-W value of 2 means that there is no autocorrelation in the sample - our calculated value is pretty close to that - p = .66 so we conclude our errors are independent of each other.