Lab 6 Models for count data

1. Get data from read.dta("https://stats.idre.ucla.edu/stat/stata/dae/nb\_data.dta"):
   * *gender* – gender of the respondent (female, male)
   * *math* – score on math test
   * *daysabs* – number of days absent
   * *prog* – type of program (use as factor; 1 – vocational, 2 – general, 3 – academic)
2. Predict math test scored by gender, number of missed days and the program type
3. Test for overdispersion and zero-inflation. Choose the appropriate model
4. Interpret the coefficients
5. Look at the model fit