DAY 2 – Afternoon Exercise

1. Create a new R Markdown document
2. Put in a title of your choosing
3. Put in your name as author
4. Using our previous Rmarkdown documents (RMD files), create a report with the following items:
   1. Read in the Abalone dataset
   2. Add a header for figure 1
   3. Figure 1: Make a scatterplot of x=wholeWeight and y=age; add the best fit line using geom\_smooth(method=lm); and use facet\_wrap(~sex) to get the best fit lines by sex.
   4. Add text describing Figure 1 – do you think there is a stronger or weaker association between the abalone whole weights and their number of rings for females, males or infants?
   5. Add a header for Model 1
   6. Run a simple linear regression for y=age and x=wholeWeight. Save the model results.
   7. Display the model 1 summary.
   8. Add text describing the model results. [OPTIONAL – try using your saved model results to write a sentence with embedded r code for the intercept, slope and model r2 values without manually typing them in.]
   9. KNIT your report to any format you wish (HTML, PDF or WORD).