Write a short report of your analysis of the bald eagle population data. The report should not exceed two pages double-spaced. There is no minimum length, as long as you cover all the information required. Grammar, usage, mechanics, and spelling (GUMS) should be correct. This report is due in class on **Monday, April 2, 2018** and will count as a quiz grade.

Your report should include the following:

1. Title, names of students, and date
2. An introduction to your report, which includes
   1. Brief background (properly cited)
   2. The research question your group asked
   3. Your hypothesis
   4. What you predict the results to be if your hypothesis is supported
3. Results
   1. Text which summarizes data trends in descriptive manner, such as x-fold increase or % difference between means
   2. Reference in the text to data in numbered figures
   3. Reporting of appropriate statistical outcomes; n, *p*-value, and test statistic value (χ2, F, t, r2); appropriate use of word “significance”
4. Figures (graphs and tables)
   1. An appropriate graph (e.g., line, bar) for the type of data and which addresses the research question
   2. Appropriate formatting, including
      1. accurate data displayed appropriately
      2. axis labels including units
      3. error bars and trend lines where appropriate
   3. Descriptive captions indicating
      1. what is shown in the figure
      2. when appropriate, the number of replicates, what is shown by error bars, statistical results (e.g., *p*-value and r2 value)
5. Discussion and conclusion
   1. whether or not results support hypothesis
   2. what the results mean to the big picture
   3. what additional questions these data raised for you, and what other data you would like to have had to answer your questions.