This homework requires you to run SAS and copy parts of the output into a word processor. Answer the questions below and submit a manuscript like the example provided.

1. Using the *typographical errors* data of Homework 1, run PROC REG in SAS and answer the following questions:

   (a) Is there a significant linear relationship between the number of galleys and the cost of correcting errors? Conduct a t-test for $H_0: \beta_1 = 0$. What is the p-value of your test?

   (b) On the average, cost increases by _________ for every additional galley. The standard error of this estimate is _________.

   (c) Create a scatterplot of your data with an overlayed regression line.

Stat 6620 Homework 3
Due: September 11, 2018