STAA 578 Homework
Instructions for Kaggle Assignments

<u>**Steps you should take to complete the assignment**</u>

1. Go to the Kaggle competition linked on Canvas.
2. Download the data and read the information about the assignment on Kaggle.
3. Develop a method to predict the data.
4. Upload your answer in Kaggle and see your standing on the leaderboard.
5. If desired, improve your model to improve your standing on the leaderboard.
6. To turn in:
    a. When you are happy with your model, upload your final predictions on Kaggle.
    b. Turn in your assignment on Canvas – see below.

<u>**Canvas Assignment**</u>

1. <u>Summary</u>: A one-page summary describing your final model(s). Provide a description of the final model that you selected. You may also include plots or tables if they are helpful (not required). You may also discuss other approaches you tried. This should be no longer than one page (1 inch margins and at least 11 point font). For example, an acceptable summary of other models you investigated might be something like this: "I also tried SVMs and regression trees, but neural network produced the smallest MAD." We don't need a diary of all the models you tried. An unacceptable diary would be like this: "I first fit a 2 layer neural net but my program crashed. Then I fit a 1 layer with 5 hidden nodes. I tried 100,.01, and 0 for learning parameter but 100 crashed. Then I went to lunch, then the dog ate my computer….".

2. <u>Your final code</u>: Annotated code so the GTA can easily figure out which model is which. We don't need to see all the models that you tried, just include the code that you are using for pages 1 and 2 of the assignment.