Sample Analysis

You woke up this morning to the following email:

> Thanks again for your willingness to be the statistician on our research team investigating the effect of functional strength training on running speed. We finally have the data collected; it's included here as an attachment. We look forward to getting your analysis report, thanks!

You first look back to the study proposal to remember what this was about. You find that the sample was taken by recruiting runners from local running websites and by putting flyers up at stores. Runners had to be between 18 and 35, and had been running for at least one year. You recorded age, gender, years running, smoking status. The treatment was to have them add in functional strength training once a week to their usual training; the control had them simply continue their usual training. The randomization to treatments was done after stratifying by gender. The subjects were asked to run a half mile at full speed upon enrollment, and then again one month later. Times were recorded to the nearest second. The plan was to analyze by a two-sample t-test on the difference, and also a linear model with the possible covariates.

Now, though, what do you do next?

Name: _____

What do you think is next in making the analysis plan? OR What questions do you have about what we did today? OR Was it successful to try to do this "live"? Why or why not?

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