
Project Description:

Students need to form a group with 3-4 members to work on a real scientific problem (send me one email with the names of all the members in your team as the subject by Feb 14). A report that can clearly state the statistical analysis and results needs to be turned in to the instructor before 10:10am on April 25th. The project will test the student's ability in studying the real research problems using the given statistical tools.

The project need to consists three parts:

Introduction part: (due March 3rd)

In the part, you need to clearly state the research topic that you are working on. You need to state: what is your interests; why this project is important; what are the previous works that is related to your work; How you collected your data; How to visualize your data; what is the special characteristic of your data; what potential procedure can be used to support your statement?

The Method and Analysis part:(Due April 7th)

In the part, you need to clearly state what is the statistical analysis you are using. Why those analyses can help you achieve your goal? How robust is your analysis? Is their any confounding effect or lurking variable in your analysis? Are there any specific perspective that you need to pay attention to?

The conclusion part: (due April 25th)

In this part, you need to state your conclusion. Compare your work with the existing work if there is any.