STAT 4400 Project (15%)

The project should be turned in on Friday (Mar 31) at 1:00pm.

You are working as a statistical assistant for a food-safety and nutrition board as part of a governmental investigation. The agency has selected 50 types of cereal. Eight numerical nutritional characteristics have been measured for each cereal. These 8 variables are: Calories, Protein, Fat, Sodium, Fiber, Carbohydrates, Sugar, Potassium.

Use what you have learned multivariate analysis from chapters 1 to 3 to analysis data cereals.csv.

You will type a roughly 2-page report detailing your analysis of the data and your conclusions. The report should be written for two audiences: the nutrition researchers or consumers, who are not experts in statistics; and the statisticians who will be reviewing your report.

You may include graphs that illustrate and/or support your findings (such graphs don’t count against the 3-4 page limit). Do NOT include computer code within the main body of your report. You include such code in an appendix.