A lot of information on the titanic is at
http://members.xoom.com/Alltitanic/about.html.

Here is a snippet:

“Titanic’s keel (number 401) was laid down on March 31st 1909 and she was launched May 31st 1911. She had nine decks including the orlop deck. Below the top most boat deck were decks A, B, C, D, E, F, and G. Below G deck were the boiler rooms and holds etc. The hull was divided into sixteen water tight compartments by means of fifteen water tight bulkheads extending up through deck F. Heavy water tight doors provided communication between bulkheads during normal operation, these were electrically operated and also had a floatation mechanism for automatic closing. She was designed to remain afloat with any two compartments flooded, possibly three, enabling her to withstand a collision at the joint of two compartments. This was the worst disaster anyone at that time could have imagined. It was widely regarded that the "Olympic Class" liners were largely unsinkable and were themselves life boats.

... The survivors reported horrible cries of 1500 odd souls in the frigid waters of the Atlantic Ocean. One by one they succumbed to the cold and died. Not one lifeboat returned to help any of the victims. This was probably due to the fear of them being capsized by panic. Of approximately 2227 people on board only about 705 survived. Just at the break of dawn, Carpathia was spotted and was greeted by a small number of boats. All that remained of a 46000 ton luxury liner.”

Relevant questions are:
Did the old adage “Women and children first” hold true according to the survival records?
This assignment requires you to construct your own report on this data, using the template problem sheet handed out in the first class.

Specifically, I need you to write down two more questions that might be addressed by this data. You should try to do this ahead of time before, doing any plots or summaries.

Also, a teaser, “Why isn’t the total number of people in our data set the same as the web page description (2227 on board, 705 survivors)?”. I don’t know the answer to this question, and the data came from a different source, but I would be interested to know if our data is not correct. (Two bonus points for finding this out!)

The data comes in two forms:

- tabular form of counts
- matrix of categorical variables that can be read into xgobi

You will need to do considerable data restructuring to get at answering the main question, and describe this data in more detail. You will need to present your results in tabular and graphical form, and concisely summarize the major findings.

The grade for the assignment will depend on neatness of the report, how comprehensive is the analysis (are all possible questions answered), clarity of results presentation, and preciseness of final conclusions.