You have been e-mailed a data set. The data set represents one researchers quest for happiness. He wishes to discover which factors enter into how satisfied one is with their life. Because he cannot measure all variables, he decides to measure the obvious ones first. This is his first data set. The first variable is his measure of life satisfaction. It is on a scale of 0 - 120. Higher numbers represent higher satisfaction. The second variable represents the average number of visits by relatives per year for the last five years. The third variable represents the subject's satisfaction with his or her current relationship (on the same scale as above). The forth variable is a number representing the subjects Job Satisfaction (on a continuous scale from 0-4, with higher numbers representing higher satisfaction). The final variable is the average number of relationships the subject has had per year for the last five years.

You are a paid consultant for the researcher. He asks you to find out all you can from this data set and report back to him. He wants graphs of variables and relationships, descriptions of variables and their relationship with each other, a multiple regression formula predicting Life Satisfaction, a description and explanation of that formula and the importance of each variable in that formula. Tell him all you can. Do not forget to tell him what he should conclude from this data set. Make your report clear and concise. Include all work, sas files, and anything else you think is important. Remember: check and state all assumptions and THINK.

Good luck.