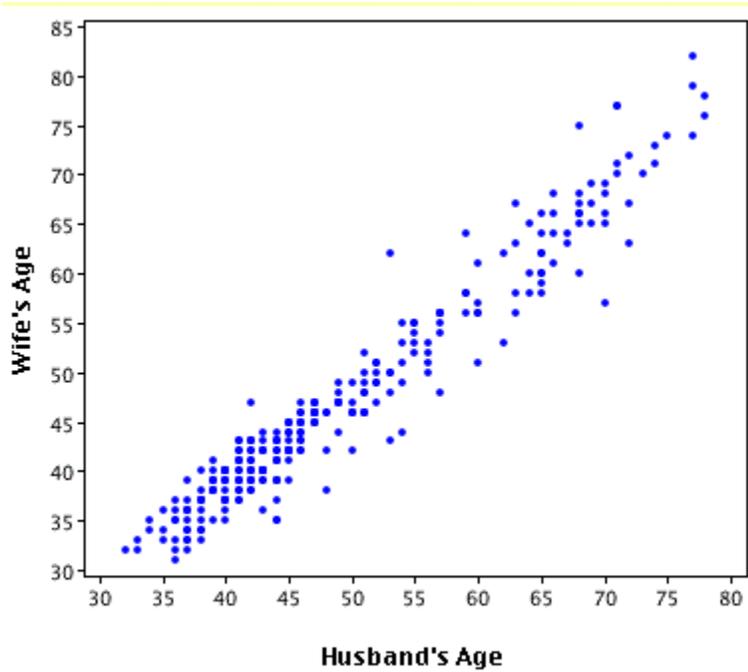Scatterplots Assignment:

1. Given the graph below, answer the following questions:

a. Can a line of best fit be drawn? If so, draw the line of best fit. (2 marks)
b. Does a relationship exist given the graph? If so, describe the trend. (3 marks)

2. You have just accepted a job in a sales department. You will not be paid a salary but rather you will be paid based on commission (commission is a percentage of the amount that you sell). You have tabulated the commission you earned for each day of the week you worked.

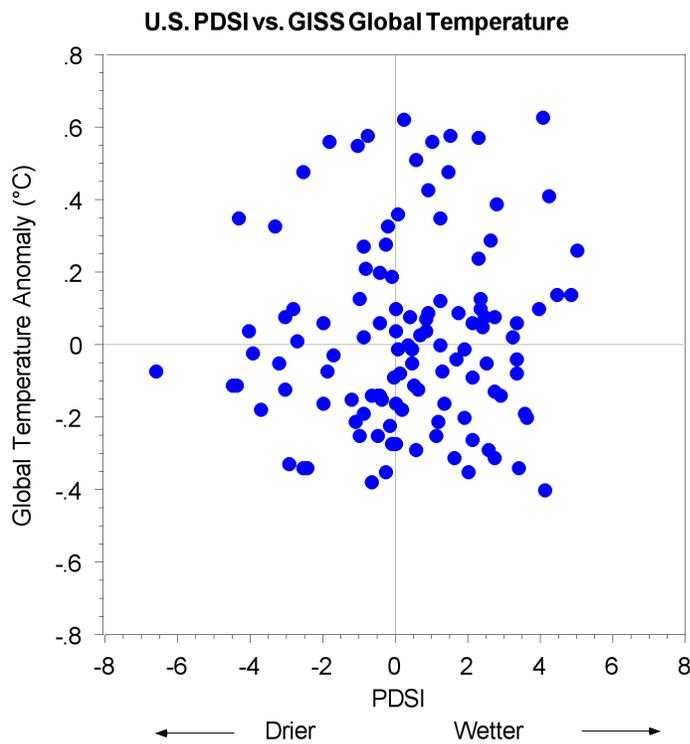| Day of the Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Commission earned ($)	OFF	155.00	175.00	OFF	195.00	350.00	360.00

a. Graph the data from the table to the graph. (3 marks)
b. Label the axis (2 marks)
c. Include a title (1 mark)
d. Draw a line of best fit if possible. (2 marks)
e. Does a relationship exist? If so, describe the trend. (1)

3. You decided to do a self experiment on yourself to see if effective studying actually helps you get better marks. You measure the amount of time that your study and then record the grade that you got. It yields the following table:

Time (hours)	0	0.5	1.0	1.5	2.0
Grade (%)	35	46	54	66	73

    a. Graph the data from the table to the graph. (3 marks)
    b. Label the axis (2 marks)
    c. Include a title (1 mark)
    d. Draw a line of best fit if possible. (2 marks)
    e. Does a relationship exist? If so, describe the trend. (3)

4. Given the graph below, answer the following questions:

U.S. PDSI vs. GISS Global Temperature

    a. Can a line of best fit be drawn? If so, draw the line of best fit. (1 marks)
    b. Does a relationship exist given the graph? If so, describe the trend. (1 mark)