Bivariate Data Computer room Exercise 1

Carry out the following steps for each of the 3 data sets specified.

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|  | **Road Conditions** | **Reaction Times** | **Blood Pressure** |
| Draw a scatter plot.  |  |  |  |
| State the variables with units. State which is the explanatory variable and which is the response variable. |  |  |  |
| Describe what you see.(TASgu) |  |  |  |
| Fit a model trend line/curve.Write down the equation of this model. |  |  |  |
| Explain the trend in context. |  |  |  |
| If your model is a line, find the correlation coefficient, r. Comment on what it tells you. |  |  |  |
| If your model is a line, state the gradient of the fitted line including units and interpret this. |  |  |  |
| Make a prediction from within the range of data values. |  |  |  |