

Question 33

Do not write in this margin

Figure 6 shows the diagnostic plot that resulted when the residuals from fitting a straight line by least squares were plotted against the explanatory variable. What does the plot tell you about how to proceed with analysing the data?

[3]

Residuals



Figure 6

Remove the outlier
Variance does not look constant.
residuals +ve for low values of
explanatory -ve for high values
possibly the data could be
transformed.