

Figure 4.4 Normal probability plot of the externally studentized residuals for the delivery time data.

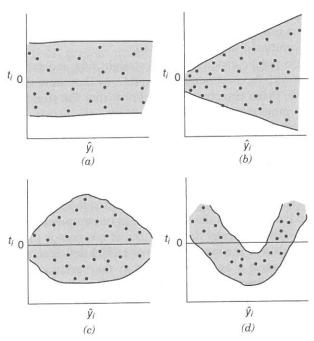


Figure 4.5 Patterns for residual plots: (a) satisfactory; (b) funnel; (c) double bow; (d) nonlinear.

be necessary. Transformations on the regressor and/or the response variable may also be helpful in these cases.

A plot of the residuals against \hat{y}_i may also reveal one or more unusually large residuals. These points are, of course, potential outliers. Large residuals that occur at the extreme \hat{y}_i values could also indicate that either the variance is not constant or the true relationship between y and x is not linear. These possibilities should be investigated before the points are considered outliers.