$$x(t) = a + bt$$

$$x(t) = c + dt + et^2$$

$$\chi^2 = \sum_i \frac{(\text{data}_i - \text{model}_i)^2}{\sigma_i^2}$$

$$\chi^2 = \frac{(0.00 - 1.54)^2}{(0.5)^2} + \dots$$

$$\chi^2 = \frac{(0.00 - 0.26)^2}{(0.5)^2} + \dots$$

$$\text{reduced } \chi^2 = \frac{\chi^2}{\text{number of degrees of freedom}}$$