

Metoda najmniejszych kwadratów (regresja liniowa):

$$\bar{x} = \frac{\Sigma x_i}{n}$$

$$D = \Sigma (x_i - \bar{x})^2$$

$$a = \frac{\Sigma y_i (x_i - \bar{x})}{D}$$

$$b = \bar{y} - a\bar{x}$$

$$\Delta y = \sqrt{\frac{\Sigma (y_i - (ax_i + b))^2}{n - 2}}$$

$$\Delta a = \frac{\Delta y}{\sqrt{D}}$$

$$\Delta b = \Delta y \sqrt{\frac{1}{n} + \frac{\bar{x}^2}{D}}$$