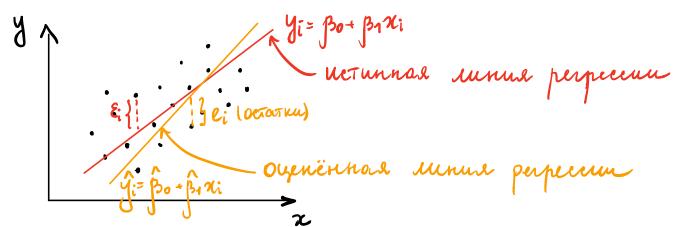
Banno: 
$$y_i = \beta_0 + \beta_1 x_i + \epsilon_i - uetunnal$$
 $y_i = \beta_0 + \beta_2 x_i - runne uetunnoù
perpeceue

 $\hat{y}_i = \hat{\beta_0} + \hat{\beta_1} x_i - oyenennae runne
perpecuue$$ 



Mogeno: 
$$y_i = \beta x_i + u_i$$
 $x_i$ 
 $y_i$ 

Ylavirum  $\hat{p}_{unx}$ 
 $z$ 
 $z$ 
 $z$ 

$$\frac{\sum_{i=1}^{h} (y_i - \hat{y}_i)^{2}}{\sum_{i=1}^{h} x_i} = 0$$

$$\frac{\sum_{i=1}^{h} (y_i - \hat{y}_i)^{2}}{\sum_{i=1}^{h} x_i} = 0$$

$$\frac{\sum_{i=1}^{h} x_i (y_i - \hat{y}_i) \cdot x_i + u_i}{\sum_{i=1}^{h} x_i y_i} = \frac{1+4+8}{1+4+4} = \frac{13}{9}.$$

$$\frac{\sum_{i=1}^{h} x_i y_i}{\sum_{i=1}^{h} x_i^{2}} = \frac{1}{2} + \frac{1}$$

$$X^{T}(y-X\hat{p})=0$$

$$X^{T}y-X^{T}X\hat{p}=0$$

$$X^{T}y-X^{T}X\hat{p}=0$$

$$\hat{\beta}=(X^{T}X)^{T}X^{T}y$$

$$\lim_{y\to y} (Z^{T}X)^{T}X^{T}y$$

$$\lim_{y\to$$

Scorr 
$$(y, \hat{y}) = \langle y - \bar{y}, \hat{y} - \bar{y} \rangle = \langle \hat{y} + e - \bar{y}, \hat{y} - \bar{y} \rangle = \frac{\langle \hat{y} + e - \bar{y}, \hat{y} - \bar{y} \rangle}{\|y - \bar{y}\| \|\hat{y} - \bar{y}\|} = \frac{\|\hat{y} - \bar{y}\|^2}{\|y - \bar{y}\| \|\hat{y} - \bar{y}\|} = \frac{\|\hat{y} - \bar{y}\|^2}{\|y - \bar{y}\| \|\hat{y} - \bar{y}\|} = \frac{\|\hat{y} - \bar{y}\|}{\|y - \bar{y}\| \|\hat{y} - \bar{y}\|} = \frac{\|\hat{y} - \bar{y}\|}{\|y - \bar{y}\|}$$