

Minimisation Of Errors

calculates the sum of squared errors.

We want to minimise this term with respect to

The solution is:

 $XB||^2$

 $\|y\|$

 $(V \mid V) - |V|$.

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Minimisation Of Errors

- $||y-X\beta||^2$ calculates the sum of squared errors.
- We want to minimise this term with respect to β .
- The solution is:

$$\hat{\beta} = (X^T X)^{-1} X^T y$$

Linear Regression Line

