



MSE = 1 SSE n-(p+1)

renk[H]

RUSE = MSZ

R2 = 1 - SSE = Sy-Se SST Sy 2 Live 93 => 0 +

r= > 2 variables. B-> Fredly of residuas.

multivariable regression performance
is evaluated same practice text

Line 212 Intercept reeds to solve with its not fall rook it is not invertible as maps.

Line 230 get column recher.

293 A4/, R2 foot life.

~ Gake everything in Bogolon).

Line 344 raw_mod = Im.fit (Xmm, y)

equals to \$\overline{b} = (XTX)^- \text{X} + y

VO V €R

Next Unit

T: proj + (a) the orthogonal projection of a onto +

Using the law of cosine \Rightarrow cos $(\bullet) = \vec{a} \cdot \vec{v} = ||\vec{l}||$ $\Rightarrow \frac{\vec{a} \cdot \vec{v}}{||\vec{v}||} = ||\vec{l}||$ $\Rightarrow \vec{l} = ||\vec{l}|| = ||\vec{v}||$

 $\Rightarrow poj_{\vec{v}}(\vec{a}) = \frac{\vec{a} \cdot \vec{v}}{\|\vec{v}\|^2} \vec{v} = (|\vec{v}|^2 \vec{v} \vec{v}) \vec{a}$

=> Ha = CV for CER

a projection matrix" HVI ERd

of rank = 1