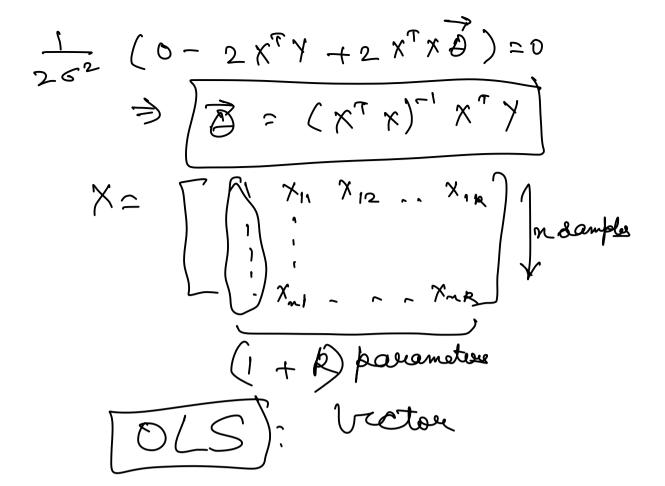
Linear Regression

| Bayesian Inference & Maximum Likelihood Estimate |
|--|
| B., O.2. Sloke Intercept |
| D= O,, On-1, An Thorcefol |
| 0 CS : 2.1 ODA : 2.2 MLE: 2.3 |
| p(P) 2) x p(B) x p(B) |
| likelihood Baye's theorem |
| D: X point esternates D: P (Fix) = |

Distoubultion $\frac{-(x-y)^{2}}{2^{2}}$ $\frac{1}{2^{2}} = \frac{1}{\sqrt{2^{2}}}$ $\frac{1}{2^{2}} = \frac{1}{\sqrt{2^{2}}}$

y: Normal distribution ($0 = 3 \times,$ (2 = 2 2 2Y= BX +& Se: N(0,000) E(Y) = E(BX) + E(G)E(1)= E(BX) + B X せ(火) 2 Py= BX Y = 0 X Var (1)= Var(0x) + var(E) Vare (Y)



AIC: model

SIC: model

complexity with accuracy

n; LL (D)