Ridge Regnerism party

5 vey understanding under Ridge.

as he know that, in Ridge

shrinnage Co-eff

 $= \lambda \left(w_1^2 + w_2^2 - - - + w_n^2 \right)$

E son shrimage lo-eff.

Q! HOW the Co-eff gets affered?

as 17 - co-eff I towards
zero but herer
become zero.

62. Higher Values are impacted more?

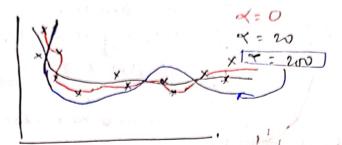
hel's say for example

Wo Wz W3 J scorett at scalare me gor Ather suggestions = 1000 = 10 = 1

as the tame $l = 1 \rightarrow \infty$ thineating ets value 1 to ∞ , How, No, ω_2 , ω_3 will get affected ?

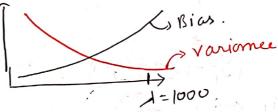
on increasing 1-value, the co-eff which is as bigger him dream (or penalize) as fast hard to smaller co-eff.

Q3 Bias Variance Trade off



for q=0 -> regg. line tricito touch each data foint -> high Low bias

·· < 1 > bias [varionce]



64 Effect of regularization on hoss finction.

as he know that

Let's allum b is westernt only m is raverying due to regularizate then egh of Loss would be

