

SMAI – HOMEWORKSET – 3

NAME : LAKSHMI MADHURI YARAVA

ROLL : 2018101116

1 . B(MLE,0)

when $\lambda = 0$:

when $\lambda = 0$ it is the normal $\sum (y - Wx)^2$ which is nothing but W is decided by **MLE**

when $\lambda = \infty$:

when $\lambda = \infty$ then the term $\sum (y - Wx)^2$ becomes negligible making the 2 nd term most prior so to make the 2 nd term 0 we should make **$W=0$** so that the error will be $\sum (y)^2$