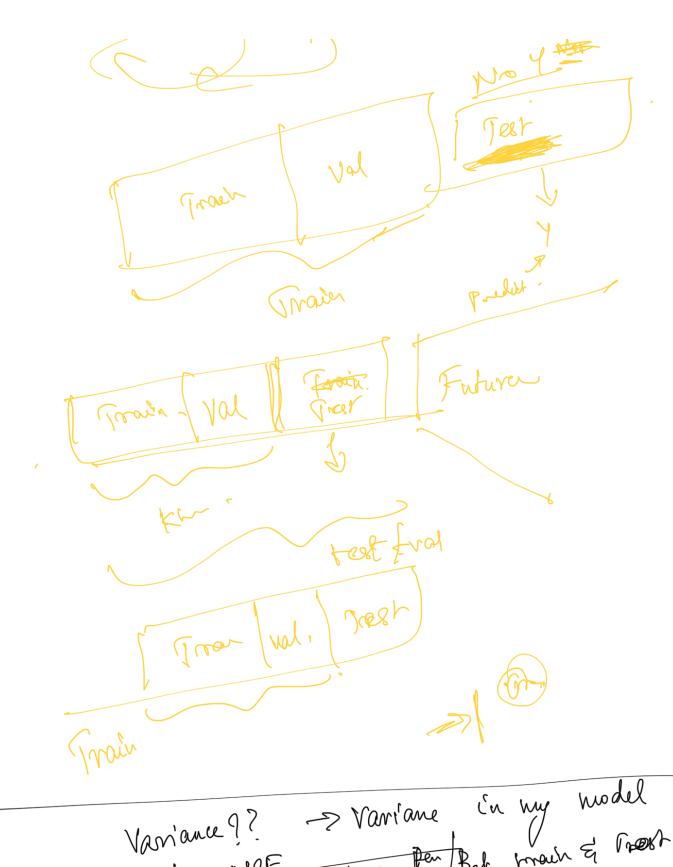
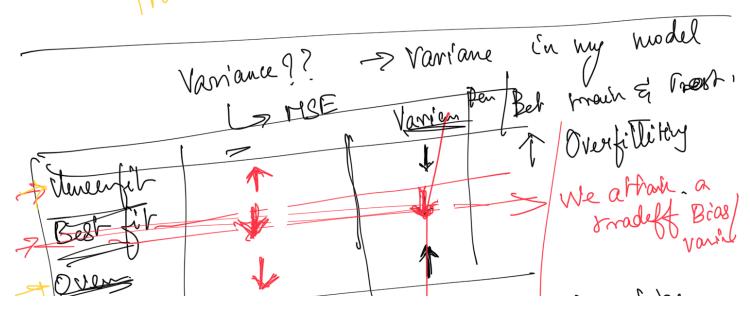
Bias variance and regularisation

loss - quantifez. of ship - a lobal ophim Is this the Gival 18mplani

complenity of the model is high.
Very comple-Took pli Crossidation MSE7 4000 Val pros Long Test ? 80000 Z 80% (3) (I work





Laduetine bias a harry aboyo Bias > Prejudice > 1 occur who ar model Ofos that are preduited deut to Mules not in the brach he will fit (vaniour) the Error Bet & Test No-Generalization !!!! Generalite Bias is a phenorm that Skene the over of an algorithm for favour or again its idea. -Arin de me quemité the

Generaliskahin cen be addul L7 adding more data frealwise

Nove complex Models

NR F 75VM > Regalanization My descut is too good on my train. odue a bres en my error tern GAD Janor 12 Ly MSE en Yarren lu Mer Ly MSE en troub & in tro due a Varreur lu Nez Bet 2 Proin & Test in

Regularization, $MSE = \int_{N} \frac{2}{2} O_{1} - (m_{xi} f^{x})^{2}$ NPenalizing fer (y. - (mn; +x)) + 5 = (mp; +x)

Out like N j21

N j21 Ser Rider & es parametre to enon-1.c.v Ir Training Sever of Jum Tranlops

1 Vanh (MSB) To & Tr.

Sloper of O Ridger !!! hassof 1, Regren he Regner. Ni (yi - (mni tx)) 2 (yi - (mn The big dur . The Right Can reduce the Rope Con Stope Co Every Oule reserved Olums will be rebalineel Usites Colems will be disgordelle 500 /600

Lance New March 1 10 Change 14 1/20 14

.