Model

- a model in ML is a Mathematical reparsentation Plat is trained to recognize patterns in Lata an make predictions or classifications based on Ex of comme type) (and protection between the (Ex of comon byp) input at a out but A in linear regretion the model is the first form = (y: mx+b)

Stope intercept

Y: = Bo + B, Xi = indipendent

const) super

stope intercept

Stope intercept Ex: We might here model Art predicts home prices based on spran totage of house. · Mis model prelicts a liner relationship - herr we plot all boase prices agains St ft and Para line of best fit through 1 t we find it sags: on ary each sy foot add. 200\$ (saft x 1hm Y(x) = 200 x + 1000 square Feet - the model is the intercept ldope model still 15 good it train scott rises after of the line convergence while test sore grobs Now after traning us cong as both. Model: 200 x + 1000 = 200 (250)+ 1000 Ginmillerrely saft predict price of Topposin ex = 250 = 51,000 \$ is the pridection with littel data 250 saft horse it me worites Gaw Mid 24 bar connergen = 75 | Core Learning Curry. 7 (inmobiliand of Mings) The learning curve is a plut with a curve that shows how the preformance of a ML model (Validation score) like # of correct predictions) changes as the size of e the training Enter changes (included) as train deta inc train accuracy slightly decress (setter generalization) while 3 test accuracy improves (better generalization) until both stabilize arsimillar values (good generalization)

Scanned with CamScanner