- a model in ML is a Makamatical reparsentation C Plat is trained to recognize patterns in data an make predictions or classifications based on (Ex of comon type) (France) Model (France)

or mapping function between · a mapping function between input and ont put

A in linear regretion the model is the Hiral form = (y= mx+b)

Slope intercept

Y: = Bo - B, Xi = indipendent

const) slope

Slope intercept

Slope intercept

Ex: We might har a model for predicts home prices based on square fotage of house. · This model prolicts a liner relationship - herr we plot all boast prices agains St ft and Par a line of best fit through it we find it sags: on ary each sy foot add. 200\$ (saft

- the model is the intercept Idope of the line A Now after traning Model: 200 x + 1000 = 200 (250)+ 1000 Saft if we want to =)
predict price of = 250 = 51,000 \$ is the pridection

250 saft hours

of the mode)

1hr Y(x) = 200 x + 1000

6

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