

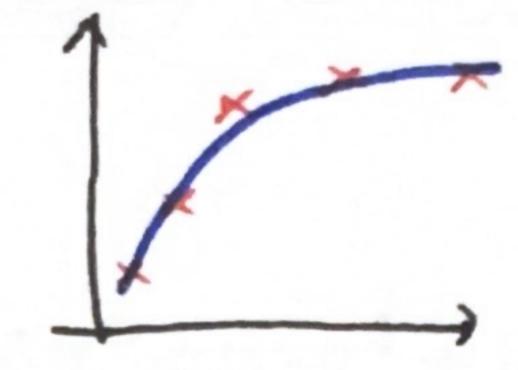
(Diagnosing bias and variance)



f=16(2c)=wix+6

"High bias"
(underfit)

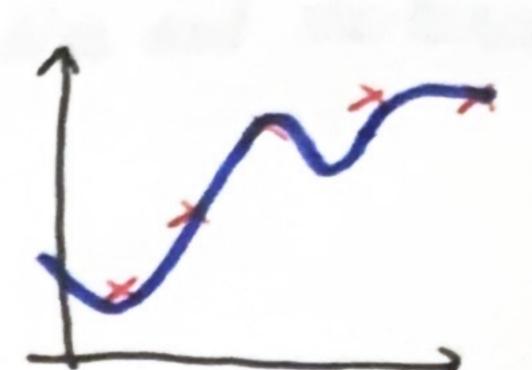
Jew is high



 $f_{w,b}(x) = w_1x + w_2x^2 d=2$ +b

"Just right"

d=2
(J+rain is low)
(Jov is low)



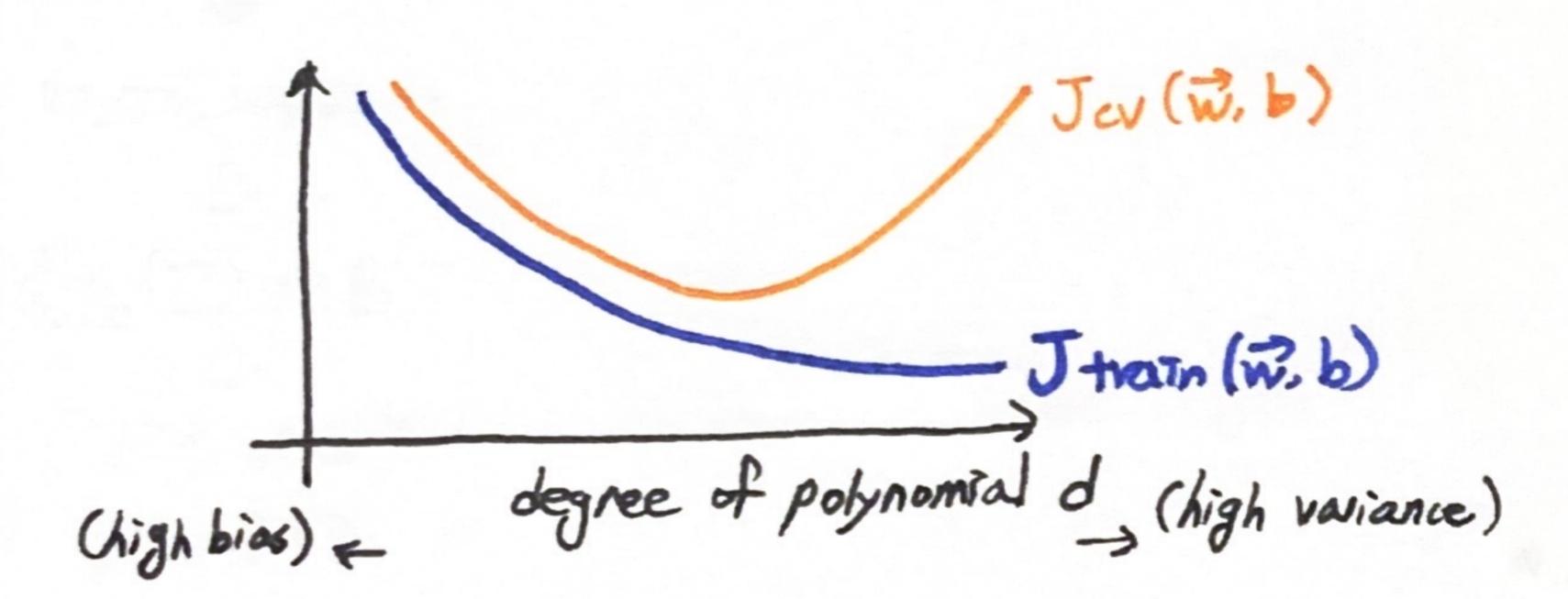
for, b (2) = W12+ W222 + 4 +W123+W124+b

High variance"
(overfit)

JAMain is low)

(J or is high)

* Polynomial order of oil chiet Jay et J trainel statetil



"Diagnosting bias or variance problem"

O High bias (underfit): Jerain will be high (Jerain & Jev)

@ High variance (overfit): Jev >> J train (J-main may be low)

1 High bias and High variance: J thain will be high (5) Jew>> J thain (5) multaneous)

