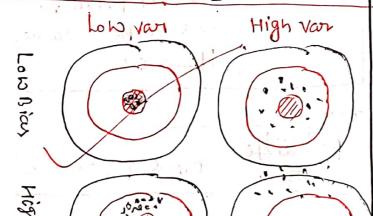


- >1. refers to the amount by which the prediction of own model Will change of we used a diff-diff training set- (or test)
- 2. Prediction for a given point Yary by diff realization of the model

If tells on am any by danging diff data point what is change In expected Value of our model.

: Bias(f(n)) =
$$E[f(n)] - f(n)$$



x Bias variance Jelomposition

LOSS = bias + Variance + irreducible ever.

furthe simplified

reducible

irreducible

reduceble Erron. Model

Let's

x, x₂---, y y 8 8.1

7 6.9 01 9 10.1

Let's, assume (Assumption)

spread variance isoreducine of (lows+) of irreducine

Let's tare Loss function as MSE

$$\frac{1}{2} = \frac{1}{2} \left(y_i - \hat{y}_i \right)^2$$

= E[(y-y)2] { me (an write as in terms of expand