Blas - Variance Tradeoff

classmate

Date
Page

Total error = blas + warlance + irreducible error (noire)

Bear :-

Blan in The difference between the predicted value and the expected value, radel with high bian pays very little attention. To the training data and averympliften the model, It always leads to high error on both training and test data.

Variance:

variance in the variability of model prediction for a squeen data point or a value which tells us spread of data.

Todal with high wariance pays a lot of attention to the training data. It takes into account the make as well.

In a result, such madely perform very well on training data but has high error on test data.

- · underfitting underfitting happens when a madel is

 unable to capture the underlying patern of

 data, There models have high blas and low

 variance,
- evergetting avergetting happens when a model captures

 the naire along with the underlying pattern in

 data, there madels have high variance and

 low blas.

