

















If your curve tooking like this then, your model suffering tom high bigs. Both tegining 4 validation erre is high 4 doesn't seem to improve with more training example. model is performing bad for both Training & validation set. (under fit data -> high bias) It is a technique of to is 1 gap looks like this then Itsain (5) then model have high > ranance problem. on (teaining set) - validation error is Fig. high-variance model much higher than as alt most intraining from # Validation (urverprint) & To mother 1900 Homena - plotting score to evaluate models. To validate a model we need ascoring function. If the teaining score 4 validation score are poth low, estimators will be under fitting on If teaining score is high & the validation score is town, the estiments is over fitting otherwise, work wern well most A high training score & high validation some is not pessible LI Raylarization Computational inofficient on non Computational efficient Error Analysis without Manually examine the examples (in cross Yalidation set) that you're algorithm made come on. $ex-m_{cv}=500$ ex. in cross validation set. Algorithm misclassified 100 emails. Manyally examin the 100 cons, & categorize them based on:

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The doop state of the state of	
1) what type of curve it is would 1) what caes (features) you think would 1) what caes (features) you then	_15
(1) what type of curves) you think bound (1) what caes (features) you think them have helped the alge. (1933ify them	d
house helped the algo.	
have helped the algo.	
Cand word a photo	
Anomaly Detection used to identify unusual	
Anamaly Detection used to identify unusual It is a technique used to identify unusual patterns that do not conform to expected patterns that do not conform to expected	
pattering that do not	
behaviour cared outliers. Intrusion detection	
Apploi in bysiness	
- (403 prinipat)	
1) point Aanamalies- A single instance of data is anomalous if	
7 single institutes	
its too far off from the rest.	
# Anamaly Detection Techniques (1) of Hobild #	
to iteliar imaginarities in data is	
- to identifying irregularities in data is	
to Flag the data points that deviates from	
Common statistical properties of a distribution,	
including mean, mode, median.	
- That deviates by a certain standard deviat	
from mean. mean. west you asions and an entitle source	
A Light Teaming Store & high validation store is	
LI Raylarization 12 regularization	
- Computational inefficient on non Computational efficient due to having	
arralytical solution	-
Non apara	_
Built-in feature selection No feature setection de	
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unstable solon Not very pobyst	
possibly multiple solon	20
possibly multiple solving Always one selen	
The state of the s	-