Batch Techniques Much in 2011 12 100011-1-1
Solution (3:15) which in volve processing the milite
training let in one on contractionally
training set in one go can be computationally to skley for large data sets
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If the data sets are supprisently longe we can use
sequential of algorithms called online algorithms
Sequential of algorithms called online algorithms in which data points are considered one at a
time and the model parameters updated
after lach such presentation.
Sequential Learning is also appropriate for realtime
sequential learning is also appropriate for realtime applications in which the data observations are
arriving in a continuos stream, and predictions
must be made begore all the data points
ase sen.
we can obtain sequential Learning algorithm be applying the Acehnique of stochastic grandfent descent, as pollows.
applying the Achnique of stochastic gradient
descent as jollows.
If the error punction comprises the sum over
data prints E = E En Hon upor presentation
of pattern n. the stochastic gradient desent
If the error function comprises the sum over clata prints $E = \sum_{n} E_n$ then often presentation of pattern he the stochastic gradient desent algorithm updates parameter Nector we using
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