Regression.
Supervised learning: We've trying to predict some value given some data. There systems are bird using prior labeled data for each Ye, there is an associated Ye; - {xe, Ye}
We're trying to predict some value given some data.
-> of these systems are build using prior labeled dator
- Ofer each Xt, there is an associated Yt ; -> & Xt, Yt Jes
r) Setting up data
2 training 1 testing
a) build System using tolding data
b) test using testing data, b) test using testing data, compared system against attent
a) build system using training data, b) test using testing data. Compare 9 yestern against others d) find upper limit of error using this model
O what IF we don't have this much data?
What IF we don't have this much data??
we do several training/testing runs while kroping track of errors. Classifier spatiatics
S-fold Conse Validation'
S-fold Cross Validation! -> (divide data into s-parts, train on s-4 & test remaining part) S -> (If sample is really small, me build system on N-1 samples 4 test on just one sample) & N times
-> (If sample is really small, me build system on N-1 samples of test on
just one sample) & N times
test the
Wa Wa
Learning function:
no noise? $y = f(z)$
no noise? $y = f(z)$ data = Z but usually, $x \in Z + \epsilon$
ve get, g(n) ≈ f(z) midd wild learn f ⁿ
midd wild learn for
Very UNDER FILLINGS
Ver/UNDER FITTINGS Specific or too broad results initially based con the choice of teaining data.
V