Learning Resources

Bias-Variance tradeoff

Good introduction to Bias-Variance tradeoff
http://www.cs.cornell.edu/courses/cs678/2006sp/cs678.bias.variance.bag.boost.4up.pdf
Derivation of Bias-Variance tradeoff
http://www.inf.ed.ac.uk/teaching/courses/mlsc/Notes/Lecture4/BiasVariance.pdf
Paper on unified Bias-Variance decomposition
http://homes.cs.washington.edu/~pedrod/papers/mlc00a.pdf
Good illustration of Bias-Variance tradeoff
http://scott.fortmann-roe.com/docs/BiasVariance.html
Wikipedia article on Bias-Variance tradeoff
https://en.wikipedia.org/wiki/Bias%E2%80%93variance_tradeoff
Advanced article on Bias-Variance applied to neural net
http://www.dam.brown.edu/people/geman/Homepage/Essays%20and%20ideas%20about%20neurobiology/bias-variance.pdf
Chapter 7 of The Elements of Statistical Learning by Hastie et al
http://statweb.stanford.edu/~tibs/ElemStatLearn/

Ensemble Methods

Chapters 8 (Bagging), 10 (Boosting), 15 (Random forest) of The Elements of Statistical Learning by Hastie et al
http://statweb.stanford.edu/~tibs/ElemStatLearn/
Chapter 8 of An Introduction to Statistical Learning by James, Witten, Hastie, and Tibshirani http://www-bcf.usc.edu/~gareth/ISL/
A short introduction to Boosting by Freund et al
https://cseweb.ucsd.edu/~yfreund/papers/IntroToBoosting.pdf
Paper on Adaboost
http://web.eecs.utk.edu/~leparker/Courses/CS425-528-fall10/Handouts/AdaBoost.M1.pdf
A brief introduction to Boosting by Schapire
https://www.cs.princeton.edu/~schapire/papers/Schapire99c.pdf
Paper on XGBoost by Chen et al
http://www.kdd.org/kdd2016/papers/files/rfp0697-chenAemb.pdf
Gentle Introduction to Gradient Boosting by Li
http://www.ccs.neu.edu/home/vip/teach/MLcourse/4_boosting/slides/gradient_boosting.pdf
Wikipedia article on Gradient Boosting
https://en.wikipedia.org/wiki/Gradient_boosting
MIT video on boosting https://youtu.be/UHBmv7qCey4