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|  | Topic | Book |
| SVM | 4.1.1, 6.1, 6.27.1,7.1.1 | Pattern Recognition by Christopher |
| KNN | PPT |  |
| Decision tree | ID3 (3.1 to 3.4) | Machine learning by Tom Mitchel |
| Decision tree | ID3, CART ( 8.2) | Data mining by Jaiwei Han |
| Naiive Bayes Classification | 8.3 | Data mining by Jaiwei Han |
| Model Evaluation and Selection | 8.5.1 | Data mining by Jaiwei Han |
| Random forest | 15.2 Definition of Random Forests  15.3 Details of Random Forests  15.3.1 Out of Bag Samples  15.3.2 Variable Importance  15.3.3 Proximity Plots  15.3.4 Random Forests and Overfitting  15.4 Analysis of Random Forests  15.4.1 Variance and the De-Correlation Effect  15.4.2 Bias  15.4.3 Adaptive Nearest Neighbors | The Elements of Statistical Learning  by Trevor Hastie |
| PCA | 12.1 PCA | Pattern Recognition By Christopher |
| K means clustering | 9.1  10.2.1 | Pattern Recognition By Christopher  Data mining by Jaiwei Han |