**PCA, LDA, QDA stuff:**

**Datacamp PCA**

[**https://www.datacamp.com/community/tutorials/pca-analysis-r**](https://www.datacamp.com/community/tutorials/pca-analysis-r)

**PCA**

[**https://www.analyticsvidhya.com/blog/2016/03/practical-guide-principal-component-analysis-python/**](https://www.analyticsvidhya.com/blog/2016/03/practical-guide-principal-component-analysis-python/)

**Excellent video on PCA**

[**https://www.youtube.com/watch?v=FgakZw6K1QQ**](https://www.youtube.com/watch?v=FgakZw6K1QQ)

LDA vs Logistic regression

<https://machinelearningmastery.com/linear-discriminant-analysis-for-machine-learning/>

LDA (mathematical)

<https://towardsdatascience.com/classification-part-2-linear-discriminant-analysis-ea60c45b9ee5>

LDA (non mathematical)

<https://www.geeksforgeeks.org/ml-linear-discriminant-analysis/>

LDA video (super clear!)

<https://www.youtube.com/watch?v=azXCzI57Yfc>

good example showing difference between LR, LDA and QDA

<https://datascienceplus.com/how-to-perform-logistic-regression-lda-qda-in-r/>

in detailed course for all three (and KNN covered tomorrow):

<https://newonlinecourses.science.psu.edu/stat508/lesson/9/9.1>

how to do QDA, LDA and MDA in R

<http://www.sthda.com/english/articles/36-classification-methods-essentials/146-discriminant-analysis-essentials-in-r/>

Very nice general overview of the whole data science process and discussion of different algorithms

<https://hackernoon.com/choosing-the-right-machine-learning-algorithm-68126944ce1f>

Summary of most common classification algorithms

<https://medium.com/datadriveninvestor/classification-algorithms-in-machine-learning-85c0ab65ff4>

Datacamp logistic regression

<https://www.datacamp.com/community/tutorials/logistic-regression-R>

Naive Bayes tutorial with R-code example

<https://www.machinelearningplus.com/predictive-modeling/how-naive-bayes-algorithm-works-with-example-and-full-code/>

And another example using the highschool dataset we have already seen last week

<https://rpubs.com/riazakhan94/naive_bayes_classifier_e1071>