Additional Resources for Session 8

The following are a few Reference Material Links that will help you get more idea about the topics that are going to be discussed:

Occam's razor
https://en.wikipedia.org/wiki/Occam_learning

http://blogs.teradata.com/data-points/occams-razor-machine-learning/

https://www.coursera.org/learn/ml-classification/lecture/tUvBS/principle-of-occams-razor-learning-simpler-decision-trees

http://ciml.info/dl/v0_8/ciml-v0_8-ch10.pdf

Over fitting
https://chemicalstatistician.wordpress.com/2014/03/19/machine-learning-lesson-of-the-day-overfitting-and-underfitting/

https://machinelearningmastery.com/overfitting-and-underfitting-with-machine-learning-algorithms/

https://elitedatascience.com/overfitting-in-machine-learning

https://www.investopedia.com/terms/o/overfitting.asp

Cross validation and LOO

https://towardsdatascience.com/cross-validation-in-machine-learning-72924a69872f

https://docs.aws.amazon.com/machine-learning/latest/dg/cross-validation.html

https://en.wikipedia.org/wiki/Cross-validation_(statistics)

https://www.quora.com/What-is-cross-validation-in-machine-learning

https://www.analyticsvidhya.com/blog/2015/11/improve-model-performance-cross-validation-in-python-r/

Regularization
https://towardsdatascience.com/regularization-in-machine-learning-76441ddcf99a

https://www.r-bloggers.com/machine-learning-explained-regularization/

https://www.quora.com/What-is-regularization-in-machine-learning

https://codeburst.io/what-is-regularization-in-machine-learning-aed5a1c36590

Support Vector Machines
https://medium.com/machine-learning-101/chapter-2-svm-support-vector-machine-theory-f0812effc72

https://machinelearningmastery.com/support-vector-machines-for-machine-learning/

https://www.analyticsvidhya.com/blog/2017/09/understaing-support-vector-machine-example-code/