

# Agenda (ml intro class 3A)

- Homework
- Support Vector Machines
  - donalek-6-ModelsTools.pdf (slides 7-9)
  - Introduction to Statistical Learning ch9. Svm.pdf
  - scikit learn: Support Vector Machines
    - <http://scikit-learn.org/stable/modules/svm.html#svm>
  - scikit learn: Faces recognition example using eigenfaces and SVMs
    - [http://scikit-learn.org/stable/auto\\_examples/applications/face\\_recognition.html](http://scikit-learn.org/stable/auto_examples/applications/face_recognition.html)
    - (data: lfw\_home.zip)

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- Neural Networks
  - donalek-5-NeuralNetworks
  - Neural Networks and Deep Learning Chapter 1: Using neural nets to recognize handwritten digits
    - <http://neuralnetworksanddeeplearning.com/chap1.html>
    - (data: neural-networks-and-deep-learning-master.zip)