CSC 390
Topics in Artificial Intelligence
“Unsupervised Machine Learning”

Fall 2016
Prof. Sara Mathieson
Smith College
Outline: 11/17

• Presentation feedback
• Recap HMM lab
• Gaussian HMMs and Mixture of Gaussians
• Another example of EM
• Next week: start neural networks

• Office Hours today: 4-5pm, Ford 355
• Homework 6 (Project Proposal) due today!
Presentation Feedback

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• Most people can be louder
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• Board work can be really helpful, but be aware of the time it takes
• Keep in mind we have a large class and need to get through everyone (no flexibility for the final presentations)
• Almost everyone’s figures (and sometimes text) were too small (focus on one subfigure)
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• It’s great to talk about the obstacles you’ve encountered in the analysis process and how you’ve overcome them
spherical
Train accuracy: 88.3
Test accuracy: 92.3

diag
Train accuracy: 93.7
Test accuracy: 89.7

full
Train accuracy: 94.6
Test accuracy: 97.4

tied
Train accuracy: 95.5
Test accuracy: 100.0

- setosa
- versicolor
- virginica