

Homework 0

CS533/CmpE533: Pattern Recognition, Spring 2007-08

Assigned: 17 March, 2008

Due: 19 March, 2008 (in class)

1. Write a short note (about half a page or more) on a pattern recognition problem that you are interested in. If you are already working on a pattern recognition problem for your research, that is what you should mention. If you have never worked on such a problem in the past, read up on pattern recognition problems and pick a problem of your choice, which intrigues and interests you. Describes the inputs and the outputs, and common strategies to solve the problem. Try to identify what features are used, and how many categories is data labeled into. What type of learning techniques (supervised, unsupervised, reinforcement) are used?
2. Review second and third lectures of PRISM lecture slides: <http://research.cs.tamu.edu/prism/lectures.htm>. Make sure that you feel comfortable with the content of the lectures, otherwise you may need to brush up your background quickly.