Cogs 118A: Class Project
Winter, 2009

February 12, 2009

- Individual or group (2) project
- Topic: application of regression/classification methods to cognitive science, neuroscience, machine learning
- Data: research lab, UCI machine learning repository
- Examples: fMRI data analysis, spike sorting, digit classification, face recognition, image categorization
- Proposal (due 02/26, 15%)
  - Data set
  - Goals (classification/regression/prediction, model comparison)
  - Specific components (problem formulation, Matlab, math, interpretation/analysis)
  - Division of labor
  - Expected outcome, significance
- Write-up in LaTeX (due 03/17, 40%)
  - Elaboration of proposal
  - Background, motivation
  - Actual results
  - Interpretation/significance
  - Relationship to existing work
- Presentation (03/19: 11:30 am - 2:30 pm, 30 min, 45%)
- Reminder: Type up lecture notes (LaTeX), 5% extra credit