

HW10: Assorted Topics

1 Written Exercises

1. Please select from the following topics that we discussed at the end of the semester. Students in 5350 must select **two**; students in 6350 must select **three**. Write one short paragraph (about 100 words) for each topic describing something you thought was especially cool/interesting/surprising/etc. for that topic. It doesn't need to be technically detailed: just a high level reaction and some thought about the issues.

- (a) Latent variable models (eg., PCA, LDA, matching words and pictures)
- (b) Structured prediction
- (c) Collaborative filtering
- (d) Ellen Riloff's lecture: natural language processing
- (e) Tom Fletcher's lecture: statistical image processing