Homework Assignment 5  due Tu 5-15-07 in class

I would like you to submit a two-page summary of your planned project by next Tu. You can do your project by yourself or with one other person. Also you can still change your topic.

- Outline of approach and algorithms that you plan to apply.
  You must use the material we covered in class!

- What data do you might want to use?

Ideas for your project

1. $k$-list problem

2. Creative ways of applying the weighted median and permutation learning algorithms

3. Co-learning

4. Applying the matrix algorithms to various data

5. PCA together with shifting

6. Collaborative filtering

7. Stock market predictions with on-line algorithms

Data

- I could scare up some OS data: life times of files, caching data, ...

- There are various data sets for rating movies.

- It is fairly easy to get stock market data (Ryan knows how)