This is the last homework for the semester. So far, you've been given a problem and solved it. It's now your turn to be the teacher. Random forests and sparse coding are two approaches to data mining. Your task, for each random forests and sparse coding in three to four pages, is to

- explain what the approach is (in layman's terms)

- describe the approach formally

- discuss what kinds of data the approach is best used for

- discuss pros and cons of the approach

- show the approach on a small, understandable data set that will help the reader understand the problem

- transfer this content to 10 power point slides (with your name)

This homework is due Friday December 20, 2013 3:00 p.m. **No late homework will be accepted**.