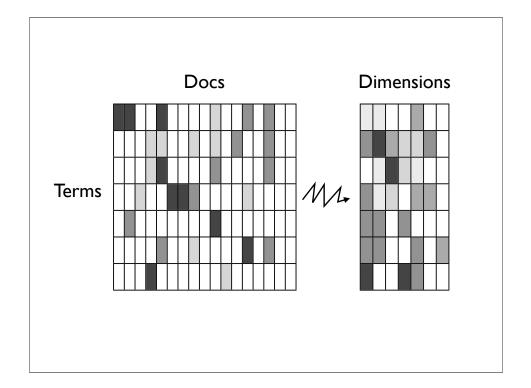
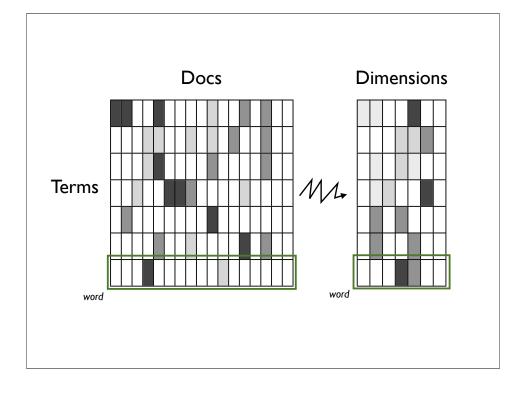
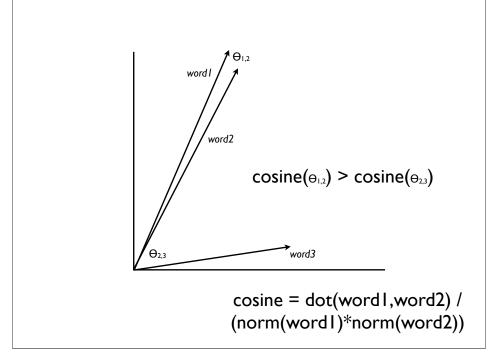
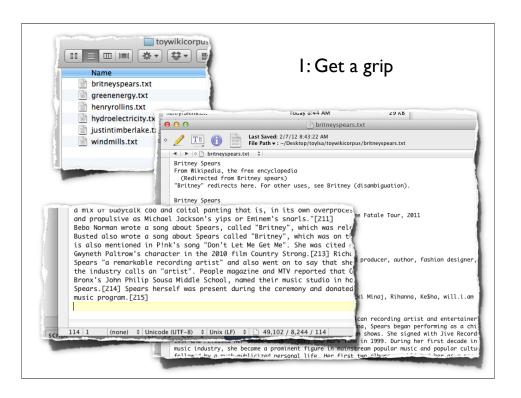
Feat of Strength

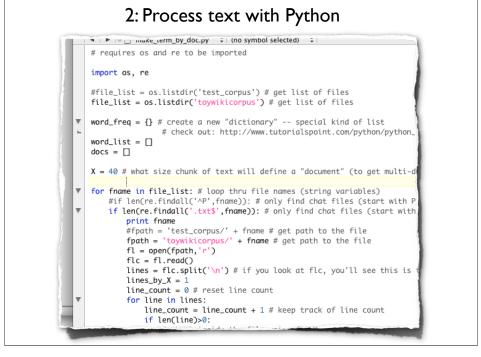
- Follow these slides:
 - build the term X doc matrix
 - build the LSA "model"
 - test a few vectors using cosine
 - hand in: the cosine values in a toy 2dimensional LSA model...
 - Email to ucmcogsmmms12@gmail.com

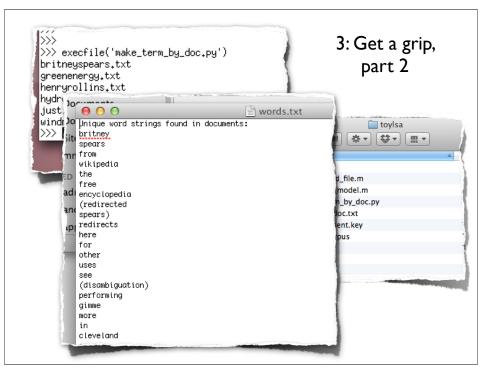


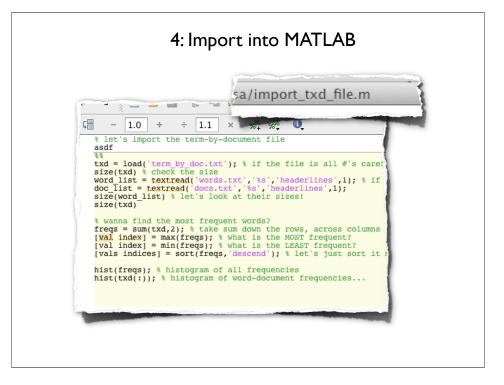












5: Use SVD for LSA, then play with vectors! a/make_lsa_model.m ÷ 1.1 × %, %, 0, % let's run svd and make the lsa "model" txd = load('term_by_doc.txt'); % if the file is all #'s carefully delimited, it' size(txd) % check the size word list = textread('words.txt','%s','headerlines',1); % if strings, then we ne doc_list = textread('docs.txt','%s','headerlines',1); % see links on site to read up on this [u,s,v] = svd(txd); word_vects = u(:,1:2); %% check cosine between the following vectors %pollution *spears %timberlake %rollins %federline energy_index = find(strcmp(word_list,'energy')); % find index / location of energy_vect = word_vects(energy_index,:); % energy_indexth row, all columns -- ': power index = find(strcmp(word list, 'power')); power_vect = word_vects(power_index,:);

