As we can see words like cat and dog which look more similar to be like each have higher similarity and dog, university and cat, university as we expected, it has lower score(compare to cat, dog).

File nytcounts.university_cat_dog has contexts for 3 words losine similarity between cat and dog 0.966891672715 losine similarity between cat and university 0.660442421144 losine similarity between university and dog 0.659230248969