Project 4 Words for Music

-- Association mining for music and text

Project evaluation

- On 11/16, we will provide you with the **music features** of 100 songs in the same format as the training data.
- You will also be provided with a voculary ranking sheet for these 100 songs.

  - The vocabulary is the same as the training data.

	song1	song 2	...	song 100
word 1	5	321	...	112
word 2	2304	986	...	3
...		...	...	...

- You will have 30 minuets to submit rankings of lyrics words with 1 being most likely and 5000 being least likely.

  - Let the dictionary be $\mathbf{D} = [d_1, \ldots, d_K]$, where $K = 5000$.
  - For a song with words $w_1, \ldots, w_m$ and $w_i \in \mathbf{D}$, let your predictive ranks be $r_1, \ldots, r_K$.
  - We will compute predictive rank sum as follows:

  $$\frac{1}{m} \sum_{i=1}^{m} r_{w_i}.$$