Assignment 10 Due: 2018-10-22 ECE 590.06, Fall 2018

Implement the latent Dirichlet allocation (LDA) model to generate a document from a given set of parameters. Build a function lda() that takes four arguments:

- 1. vocabulary list (of length V) of strings
- 2. phi numpy array of size (k, V)
- 3. theta numpy array of size (M, k)
- 4. N integer

and returns:

1. w - list (of length M) of lists (of length N) of strings

Put your function in a file titled hw10_solution.py.

Run hw10_evaluate.py, making sure that your solution file is on the Python path. If you're unsure whether the result is satisfactory, ask the instructor or TA.