

## Project Proposal

1. What is the problem or task you propose to solve?  
-Generating fake product reviews
2. What is interesting about this problem from an NLP perspective?  
-The reviews will have to be generated accurately to a specific product, possibly to a specific rating. Data set will be smaller sets of reviews, instead of one large text of sentences.
3. What technical method or approach will you use?  
-We will clean/format our dataset appropriately, then generate our reviews from a deep learning network, right now we are thinking of using Keras, but will explore other options.
4. On what data will you run your system?  
-Real reviews, web-scraped or otherwise obtained.
5. How will you evaluate the performance of your system?  
- Based on the ability to generate authentic-looking reviews, or use a fake review checker.
6. What NLP-related difficulties and challenges do you anticipate?  
-Sounding natural, reviews being in special formats. People using slang/jargon in spelling ("soooo prettyyy"). Large enough data sample, learning to use neural networks.