Thesis Proposal: Multiple Context-Preserving Text Generation

Implementation:

* Generative Adversarial Networks (GANS)
* Preserve 5-10 contexts including but not limited to:
  + Sentiment
  + Time of day
  + Personality traits
  + Current events
  + Relationships
* Python + TensorFlow/Keras
* Animal Crossing: New Leaf script as training set

Motivation + Applications:

* Many interactive products including apps, smart home products, voice assistants, and video game NPCs require much hardcoded script with fill-in-the-blanks for certain contexts. This requires much labor to create these scripts and the repeat of certain phrases may, in some contexts, destroy the illusion of user-to-user interaction.
* This multi-context preserving text generator will allow for much less required script writing and, if done well, will be similar to interacting with another human.
* Applications include intelligent home assistants (can be used for everyday conversation), video game dialogue, etc.