Sources: https://github.com/rcc-uchicago/NLP_with_GPT3

I. Introduction
   a. What is a transformer, and how does GPT-3 work? (API only @ present, GPT-2 is available on Midway)
      “The GPT-3 Architecture, on a Napkin”
      https://dugas.ch/artificial_curiosity/GPT_architecture.html
   b. “masking” → iterative token prediction

II. Using GPT-3: Basics
   a. Logging in to OpenAI
   b. The OpenAI "Playground" UI vs.
      Running in Python or Curl with an API Key (“< >”)
   c. How the results are generated & an NSFW warning
   d. What all can GPT-3 do? Examples page:
      https://beta.openai.com/examples

III. Generating Text from a Custom Prompt using GPT-3
   a. The 4 models: Ada, Babbage, Curie and Davinci
      https://beta.openai.com/docs/engines
   b. Examples of Generative Text using each of the 4 "Engines" (models):
      https://beta.openai.com/playground?model=ada
   c. Generative text: Using custom parameters (temperature, Top P)

IV. Classification using GPT-3
    https://beta.openai.com/docs/guides/classifications
    a. Sentiment Analysis classification: Tweet Classifier
       https://beta.openai.com/playground/p/default-adv-tweet-classifier

V. Summarization using GPT-3
   https://beta.openai.com/docs/examples/summarization
   a. Default tl;dr Summarization ("Summarization for a 2nd-Grader"):
      https://beta.openai.com/playground/p/default-summarize

VI. Chat (chatbots)
   a. Default chatbot
      https://beta.openai.com/playground/p/default-chat

VII. Question-Answering (Q&A)
    a. Default Q&A
       https://beta.openai.com/playground/p/default-qa

VIII. Translation: English to French
    a. Default translation
       https://beta.openai.com/playground/p/default-translate

IX. Evaluating GPT-3: Performance and Results
    a. Human-based evaluation (hand-coding)
    b. Programmatic evaluation (e.g. SQuAD) raijpurkar.github.io/SQuAD-explorer

X. GPT-3 and the Future of NLP / NLU