Michael Doherty

1. Describe the three main NLP techniques mentioned in the NLP video.
   a. The three main NLP techniques covered in the video are ==Sentiment Analysis== (determining the sentiment of a given text), ==Topic Modeling== (discovering topics and trends among a given list of documents), and ==Text Generation== (generating comprehensible sentences).
2. Describe the steps for the data science workflow mentioned in the NLP video.
   1. Start with a question
   2. Get and clean the data
   3. Perform EDA (exploratory data analysis) (Ex: finding correlation and outliers in data)
   4. Apply NLP techniques
   5. Share insights
3. Describe the Markov Chains mentioned in the NLP video.
   a. Markov chains are a way of representing how systems change over time, but Markov chains are memoryless. This means that the next state of a process only depends on the previous state of the process (so in text generation, the next word in a sentence only depends on the current word, not any words that came before it).