Week 1 (May 15 – May 19)

* Code
  + <https://github.com/Pinafore/nlp-hw/tree/master/presidents>
* Reading
  + <https://aclanthology.org/W09-0103.pdf>
  + IR Chapter 1: <https://nlp.stanford.edu/IR-book/>
  + IR chapter 6
  + (optional) SNLP chapter 2 - 4
* Videos
  + The Cranfield Paradigm
  + What’s information retrieval?
  + Evaluation
* Consider incorporating GradeScope

Week 2 (May 22 – May 26)

* Code
  + <http://users.umiacs.umd.edu/~jbg/teaching/CMSC_470/tfidf_ex.pdf>
  + <https://github.com/Pinafore/nlp-hw/tree/master/tfidf>
* Reading
  + SNLP Chapter 5 (<https://web.stanford.edu/~jurafsky/slp3/>)
* Videos
  + Regression
  + Logistic Regression
  + Stochastic Gradient Descent
  + Feature Engineering in the Age of Deep Learning
  + Feature Engineering for Quiz Bowl

Week 3 (May 29 – June 2)

* Code
  + <http://users.umiacs.umd.edu/~jbg/teaching/CMSC_470/04b_ex.pdf>
  + <https://github.com/Pinafore/nlp-hw/tree/master/lr_sgd_qb>
* Reading
  + SNLP Chapter 6
* Videos
  + Distributional Semantics
  + Word2Vec
  + Evaluation
  + http://users.umiacs.umd.edu/~jbg/teaching/CMSC\_723/word2vec.pdf

Week 4 (June 5 – June 9)

* Reading
  + SNLP Chapter 8
  + SNLP Chapter 18
* Videos
  + What’s a part of speech, and why is it a joint problem?
  + Hidden Markov Modeling
  + Inferring a Hidden Markov Model from Labeled Data
  + Dependency parsing
  + Viterbi Algorithm
  + Shift-reduce Parser

Week 5 (June 12 – June 16)

* Code
  + <https://github.com/Pinafore/nlp-hw/tree/master/feateng>
* Videos
  + Overview
  + The adversarial writing process
  + Tricks to create adversarial questions
  + System overview
  + How to win
  + Submitting to Dynabench
  + 2019
  + 2022

Week 6 (June 19 – June 23)

* Code
  + <https://github.com/Pinafore/nlp-hw/tree/master/tfidf_guesser>
* Reading
  + SLP chapter 7
* Videos
  + Deep
  + Backprop
  + Frameworks
  + Pytorch
  + DAN

Week 7 (June 26 – June 30)

* Code
  + <https://github.com/Pinafore/nlp-hw/tree/master/adversarial>
  + <https://github.com/Pinafore/nlp-hw/tree/master/project>
* Reading
  + SLP Chapter 9
* Videos
  + RNN for sentiment
  + RNN for LM
  + LSTM