### Awesome Text Summarization:

<https://github.com/mathsyouth/awesome-text-summarization>

## Text Summarization:

Summarizing a passage into a few sentences, maybe 1 sentence. Example is headline generation. Given a dataset of headlines and passages, headlines will be generated.

### Source:

<https://github.com/shreyanse081/Text-Summarization/tree/master/My_Approach>

<https://www.youtube.com/watch?v=-wcrzwNmiAU>

### Types of text summarizations:

* Extractive: Pick out some important words(keywords) from the text and just put them together. May not maintain grammatical consistency
* Abstractive: Extract the meaning of the passage and GENERATE text example architecture: Encoder + Decoder with Attention. Model can add new words to make grammatical sense.

### Datasets:

* Amazon-Fine-Food-review Datset

### Approach:

* Get dataset
* Pre-processing:
  + Cleaning
  + Tokenization
  + Word-embedding using conceptNet
  + Numberbatch
  + Vectorization
* Bi-LSTM encoder decoder with attention
* Generate summary

### Scoring:

* Accuracy
* ROUGE

### Source:

<https://github.com/llSourcell/How_to_make_a_text_summarizer/blob/master/vocabulary-embedding.ipynb>

<https://www.youtube.com/watch?v=XcZGKAF5zxg> -- no DL