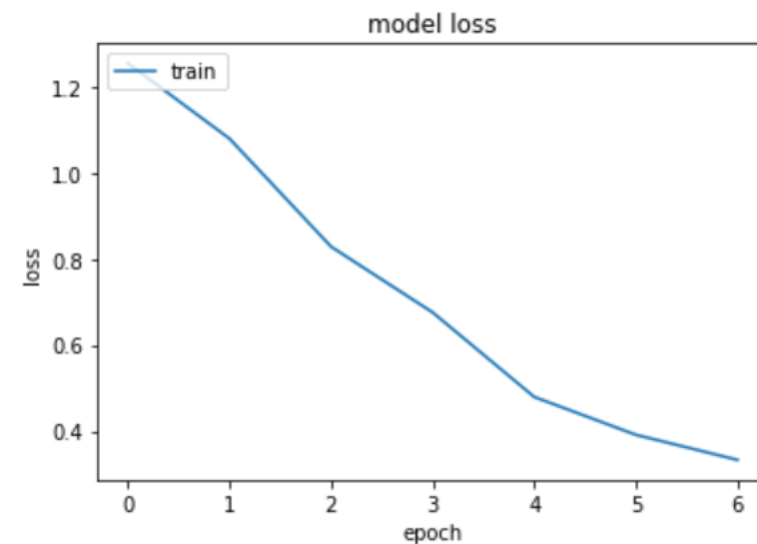
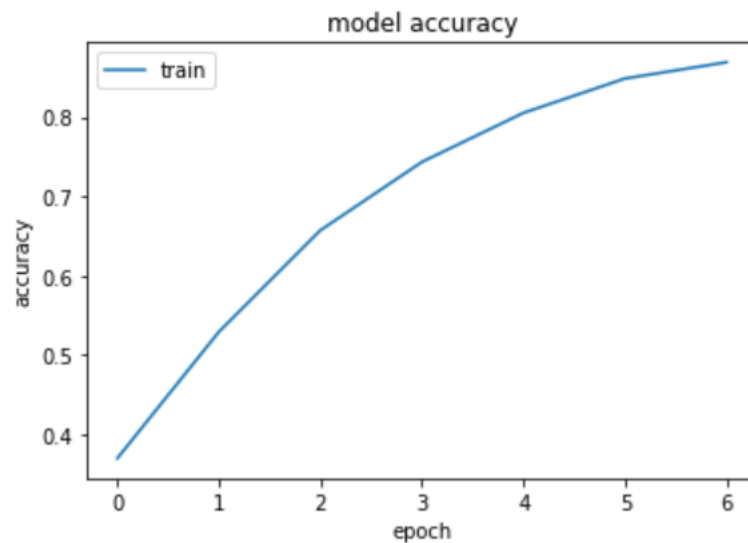
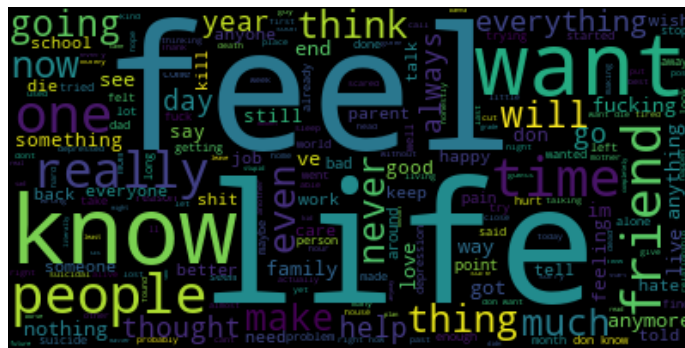
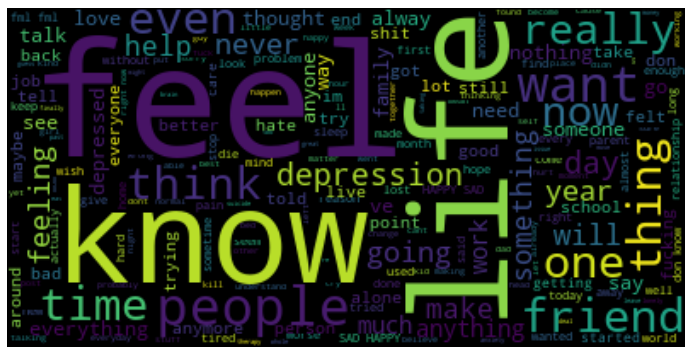


# Mental Wellness Sentiment Analysis

- Description of the problem
  - Provide a starting point for therapists with new clients
  - Automatically estimate person's mental wellness based on a text sample
  - Improve the process of performing qualitative analysis
- Approach
  - Scrape labeled data from webpages
  - Organize the data, then split the data into training set and validation sets
  - Feed the training data set into a RNN (Recurrent Neural Network) LSTM model, use validation data set to validate the accuracy of the trained model.
  - Tuning the hyperparameters to improve validation accuracy, such as number of layers, regularization via dropout

## Result



```
888/1 - 2s - loss: 1.2531 - accuracy: 0.5709
score: 1.26
acc: 0.57
```