**CS5590 APS - Deep Learning Programming**

**ASSIGNMENT 3**

**Deadline: 12/12/2017**

**Task:**

1. Implement the Text classification with RNN model with new data set which is not used in class

2. Implement the Text classification with LSTM model with new data set which is not used in class

3. Compare results of CNN, RNN and LSTM for text classification (same data set for 3 models for comparison) and describe, which model is best for text classification based on your results

**Submission Guidelines:**

1. Submit your source code and documentation to GitHub and represent the work through wiki page properly. Submit your GitHub wiki page through google sheet.

2. Comment your code appropriately

3. Submit only report at Turnitin in UMKC blackboard

4. Remember that similarity score should be less than 30 %

5. Use this link to submit your assignment: <https://goo.gl/forms/cxvY8Kg1pvNNzrpw1>

6. Report should include below details

1. Introduction
2. Objectives.
3. Approaches/Methods
4. Workflow
5. Datasets
6. Parameters
7. Evaluation & Discussion
8. Conclusion

Example Report:

http://blog.stratospark.com/deep-learning-applied-food-classification-deep-learning-keras.html