

Hello!

This folder contains:

: Capstone Proposal pdf

: Capstone Project Report pdf

: 7 Jupyter Python 3 notebook files:

FLCapstoneCNN_RNN_5.ipynb : CNN & RNN for 5-class classification

FLCapstoneCNN_RNN_Bi.ipynb : CNN & RNN for binary classification

FLCapstoneCNN_RNN_Ter.ipynb : CNN & RNN for ternary classification

FLCapstoneWord2Vec_5.ipynb : CNN & RNN with word2vec for 5-class classification

FLCapstoneWord2Vec_Bi.ipynb : CNN & RNN with word2vec for binary classification

FLCapstoneWord2Vec_Ter.ipynb : CNN & RNN with word2vec for ternary classification

Free-Form Visualization.ipynb (also seen in Project Report)

Files needed to run first 6 Jupyter notebooks:

reviews.json

** If possible, please download pre-trained word embeddings file from:

<https://www.kaggle.com/ratman/pretrained-word-vectors-for-spanish> and rename

SBW-vectors.txt . This file is "SBW-vectors.txt.txt" in code line:

```
embedding_matrix = create_embedding_matrix(  
    'SBW-vectors.txt.txt',  
    tokenizer.word_index, embedding_dim)
```

This file is needed to run all three word2vec notebooks. I tried to upload to Google Drive, but it kept crashing. Thank you very much!

* All other necessary libraries are imported in the corresponding Jupyter notebook.