

Assignment 6 Convolutional Neural Networks

COMP4901K and MATH 4824B
Fall 2020

Prerequisites

- You need to install the NLTK, Pandas, Numpy, Scipy, scikit-learn, tensorflow and keras packages
- You need to download the assignment6.zip from the canvas

1 Tasks

In the file named assignment6.py:

T1 Fill in the build_CNN function to initialize the word representation layer.

T2 Fill in the build_CNN function to add convolutional layer and batch normalization layer.

T3 Fill in the code at line 294 and line 295 to construct label matrices for train and test sets respectively.

2 Submission

You need to submit **two** files, program output and your python script. After you finish the assignment, make sure you include your name and student ID in the beginning of your code.

```
# author : Your_name
```

```
# student_id : Your_student_ID
```

Copy all the program output to a text file named StudentID_assignment6_output.txt. Rename your python script solution as StudentID_assignment6.py. Zip them altogether and submit it to Canvas.

Similar with the previous assignments, there's no strict restrictions on the output formats. You could define your format.