**Natural Language Processing**

**HW – 2**

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**3 methods:**

First methods I use is take each word in sentence, check its dep\_ using spacy, and check S,V,O value by ‘nsubj’, ‘ROOT’, ’dobj’, and only if both 3 dep\_ matches the S,V,O in sentence, the id’s label is 1, otherwise, set label to 0, and consequence just pass the baseline, I think the main reason is now I consider only a ‘word’, instead of real possible of S O V, which may be a phrase or consist of more than 1 word. So if change the way of determining flags, to check if the word ‘in’ S O V, instead of equal to S O V. Obviously, the label 1 is now more easy to appear. But accuracy was lower, because the V is actually, for example, ‘seemed’, but if we decide label using way mentioned above, the V such as ‘and seemed’, ‘to be seemed’, will also count for label 1. Thus, to cause error when labeling, so accuracy is lower than first label configuration setting.