

Lesson-2 Assignment

AI-For-NLP Course Group

Deadline: 2018. Nov.25

1. Course Programming Task, Language Model using Wikipedia and News corpus.

References:

- a. https://www.wikiwand.com/en/Bag-of-words_model
- b. https://www.wikiwand.com/en/Good%E2%80%93Turing_frequency_estimation
- c. <https://www.wikiwand.com/zh-hans/%E5%9B%BE%E7%81%B5%E4%BC%B0%E8%AE%A1>

How to submit: Pull the assignment code to you github repository.

2. (Optional) Using Generation by Syntax Tree and PAIP 151-167. Generate Sentence by Grammar. Implement a dialogue system, you may implement a mock system like *West World*, or *Prison Break*, etc.
 - Using AIML markup language to generate same pattern.
 - Think what markup language or rule based can do, what they cannot do?

Bonus: If you finish this task, please connect with me. I will send you a mysterious gift.

References:

- a. PAIP <https://github.com/Artificial-Intelligence-for-NLP/References/blob/master/AI%20%26%20Machine%20Learning/Paradigms-of-Artificial-Intelligence-Programming%20copy.pdf>
- b. <https://www.wikiwand.com/en/ELIZA>
- c. <https://www.eclecticenergies.com/ego/eliza>
- d. <https://baike.baidu.com/item/%E8%89%BE%E4%B8%BD%E8%8E%8E/9030600>

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