**CS5560 Knowledge Discovery Management**

**In Class Assignment #2**

1. Download the source code from the following link and make sure you can run it and understand it.

<https://umkc.box.com/s/jz20vt6fd8tjozkzbmphyxs6uyqavwiv>

1. **For this ICP, use the input text below and generate the following NLP tasks using the python libraries (nltk, genism, textbolb, etc)**

**Note: For these task don’t use the CoreNLP API, but use the python libraries.**

***Input***:

‘Xi Jinping is a Chinese politician who has served as General Secretary of the Chinese Communist Party (CCP) and Chairman of the Central Military Commission (CMC) since 2012, and President of the People's Republic of China (PRC) since 2013. He has been the paramount leader of China, the most prominent political leader in the country, since 2012. The son of Chinese Communist veteran Xi Zhongxun, he was exiled to rural Yanchuan County as a teenager following his father's purge during the Cultural Revolution and lived in a cave in the village of Liangjiahe, where he joined the CCP and worked as the party secretary.’

**NLP Tasks:**

1. *Part-of-speech (POS) tagger*
2. *Named entity recognizer (NER)*
3. *Co-reference resolution*
4. *Lemmatization*
5. *Parsing*

Submission Guidelines:

Same as ICP 1