1. Answer the following to the best of your ability:(**10points**)

a) Define Corpus:

A corpus is a set of machine-readable texts produced in a natural communication setting. Newspaper articles, literary fiction, spoken discourse, blogs and diaries, and legal records were chosen to be representative and balanced in terms of specific features. The material of a corpus is said to be "representative of a language variety" if it can be generalised to that variety.

b) How might you make a corpus for the following problem: I want to be able to learn characteristics of a politician’s language

Investigate a key event in UK climate politics using corpus methodologies and Critical Discourse Analysis (CDA): the debate over the Climate Change Bill, which became an Act of Parliament in 2008. This Act establishes a framework for climate change efforts, including statutory carbon reduction targets, and establishes the Independent Climate Change Committee to track and advise on progress. Only five MPs voted against all major parties on one side, indicating that the Act had widespread bipartisan support.

Analysis:

- Keyword analysis

- Collocation

- Semantic tagging

2. a) Describe briefly 4 difficulties with identifying word boundaries algorithmically?(**8points**)

I) There are different language reports because the failure reports come from all around the world. Despite the fact that the reports are filtered for English, due to regional linguistic influence, additional language words appear alongside the English reports.

ii)Algorithms misinterpret these non-English terms as English and attempt to partition them. For example, the Portuguese word engatava, which means engaged, can be broken into 'eng' 'at' 'a' 'v' 'a'. The frequency of occurrence of a word in the dictionary determines segmentation, and the dictionary only contains English terms. The difficulty can be solved by expanding the dictionary to include words from other languages, as the methodologies are language agnostic.

iii)The classification accuracy did not improve substantially after merging the word segmentation with the Auto-sort model. Because approximately 56% of the reports are free of mistakes in the first place. The bulk of the report descriptions, on the other hand, have no more than three inaccuracies.

iv)Failure reports cannot be segmented using context-based segmentation approaches. Even though the developed vocabulary includes technical terms and codes that are relevant to these reports, they are not contextually connected. Deep learning algorithms are ineffective for this data set as well. Dictionary-based segmentation algorithms, on the other hand, are quick, need less processing, and use less memory, making them ideal for this data set.

b) What is the possible differences in the following two implementations of a word identifier(**5points**)

tokens = nltk.word\_tokenize(sentence)

and

tokens = sentence.split(“ “)

Tokenize() is a module in NLTK that is further divided into two sub-categories: Word tokenize: To separate a sentence into tokens or words, we utilise the word tokenize() method. Sentence tokenize: To separate a text or paragraph into sentences, we utilise the sent tokenize() method.

The split() function divides a string by the separator supplied and returns a list object with string elements. Any whitespace character, such as space, \t, \n, and so on, is used as the default separator.

c) Why do we use ‘tokens’ instead of ‘word’(**5points**)

Tokenization is the process of dividing a large volume of text into smaller tokens. These tokens serve as a starting point for stemming and lemmatization, and they are critical for pattern recognition. Tokenization can also be used to swap out sensitive data for non-sensitive data.

3. With the following sentence “The Cat in the Hat”(**12points**)

a) List the Uni-grams

('The',)

('Cat',)

('in',)

('the',)

('Hat',)

b) List the Bi-grams

('The', 'Cat')

('Cat', 'in')

('in', 'the')

('the', 'Hat')

c) List the Tri-grams

('The', 'Cat', 'in')

('Cat', 'in', 'the')

('in', 'the', 'Hat')

4. Answer the following about predictive models:(**10points**)

a) What is a backoff model?

Backoff means you go back to a n-1 gram level to calculate the probabilities when you encounter a word with prob=0. The most popular method is known as "stupid backoff." and whenever you go back 1 level you multiply the odds by 0.4.

b) Give an example of how a backoff may help your model.

Let's say you are using 4-grams to calculate the probability of a word in text. You have "this is a very" followed by "sunny". Let's say "sunny" never ocurred in the context "this is a very" so for the 4-grams model "sunny" has probability 0, and that's not good because we know that "sunny" is more probable than say "giraffe"

So in our case you will use a 3-gram model to calculate the probability of "sunny" in the context "is a very".

So if sunny exists in the 3-gram model the probability would be 0.4 \* P("sunny"|"is a very").You can go back to the unigram model if needed multipliying by 0.4^n where n is the number of times you backed off.

5. Why do we need *sent\_tokenize\_list = sent\_tokenize(text)* in NLTK instead of just breaking sentences apart by punctuation?(**5points**)

Because useless words like punctuation , signs, etc are taken as tokens

By using this function, the intelligence will be able to understand the core meaning of the sentence, because in this function it has a pre-trained model in it. Comparatively using sent\_tokenize is better than punctuations.

6. Briefly explain Transformation Based Tagging and how it differs from Ngram tagging for Part-of\_Speech (**8points**)

It's possible that the size of nth-order taggers will be an issue.

If tagging is to be utilised in a range of language technologies deployed on mobile computing devices, it's important to create ways to minimise the size of models without losing speed. An nth-order tagger with backoff can store trigram and bigram tables, which are massive sparse arrays with hundreds of millions of entries. It is simply impossible to condition nth-order models on the identities of words in the context due to the size of the models. Brill tagging is a statistical tagging approach that beats nth-order taggers by using models that are a quarter of the size of nth-order taggers.

ngram – It's an n-item subsequence. NgramTagger subclasses concept: The part-of-speech tag for the current word can be guessed by looking at the previous words and P-O-S tags. A context dictionary is kept by each tagger (ContextTagger parent class is used to implement it)

7) Answer the following:(**12points**)

a)What is a False Negative?

A false positive arises when the model incorrectly predicts the positive class. A false negative occurs when the model predicts the negative class incorrectly.

False negative: When a result appears negative when it isn't. A false negative occurs when a test designed to identify cancer delivers a negative result despite the fact that the person has cancer.

b)What is a True Positive?

When the model correctly predicts the positive class, it is called a true positive. A true negative, on the other hand, is when the model predicts the negative class accurately.

For example, if the condition is an illness, "true positive" indicates "properly identified as diseased."

c)When should Accuracy be used as a metric?

When the same model is tested on a test set that contains 60% class A samples and 40% class B samples, the test accuracy reduces to 60%. Although the accuracy of classification is great, it gives the impression that we have reached high accuracy.

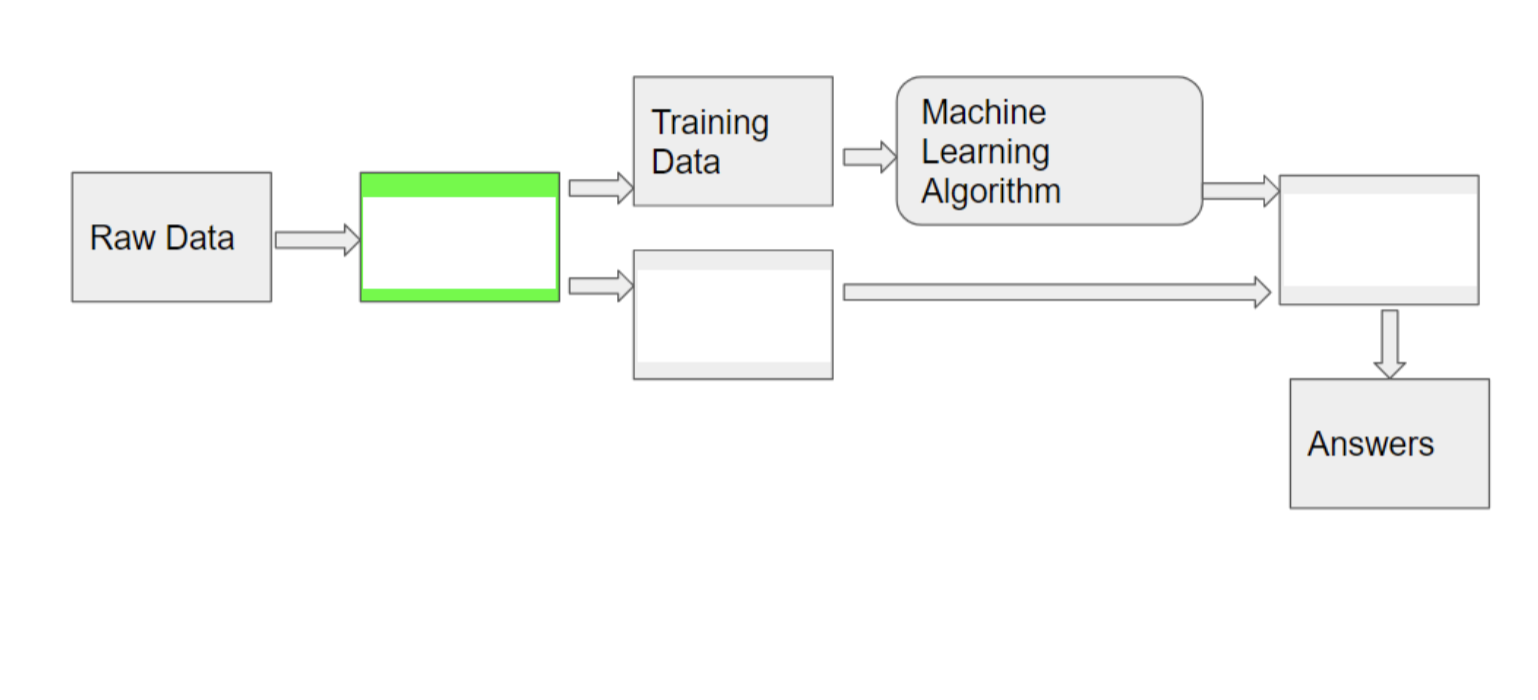
The actual difficulty emerges when the cost of misclassification of minor class samples is very high. The expense of failing to diagnose a sick person's sickness is considerably more than the cost of exposing a healthy person to further tests when dealing with a rare but lethal condition.

d)What is the difference between Precision and Recall? When would you use them?

The number of relevant documents recovered by a search divided by the total number of relevant documents discovered is called precision, whereas recall is the number of relevant documents retrieved by a search divided by the total number of documents found is called recall.

When there is an unbalanced class and high true positives are required, precision is favoured above recall. Precision's formula does not include a false negative, which can have an influence.

8. Fill in the 3 empty boxes for a typical machine learning cycle:(**9points**)



1. Data

2. Feature Extractor

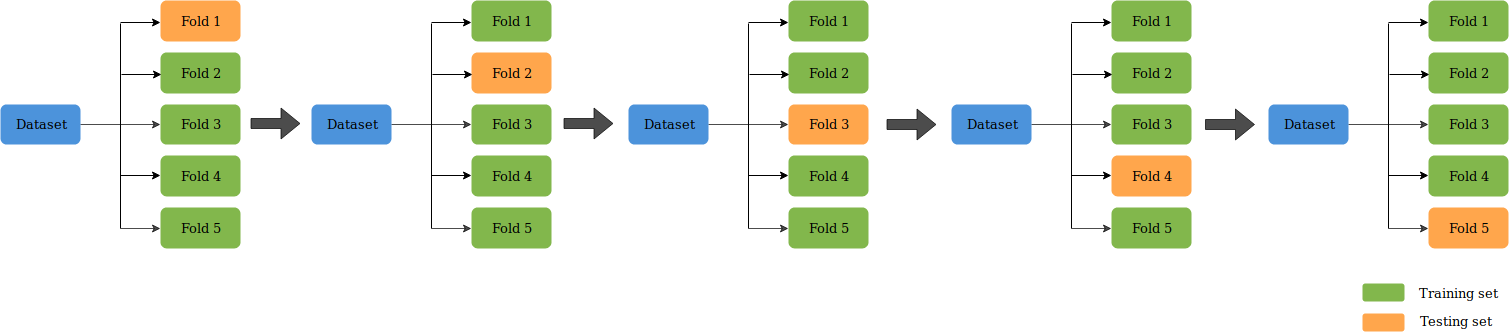
3. Classifier Model

9. What are the two differences when you test on your training data versus testing on your test data? (**4points**)

In test on your training data, the test accuracy will be high compared to the test dataset, this is because the model have already trained and seen the training datset, so it is easy for the model to classify the training dataset. But, when it’s coming to test dataset, all the data are new and unknown to the model. From the experience of the training dataset, it will be able to classify test dataset.

10. Explain (or draw) k-fold validation when k=5 (**6points**)

A K-fold CV divides a data set into K sections/folds, with each fold acting as a testing set at some point. Consider the instance of a 5-fold cross validation (K=5). Here, the data is split into five folds. In the first iteration, the first fold is used to test the model, while the rest are utilized to train it. In the second iteration, the second fold serves as the testing set, while the remaining folds serve as the training set. This process is continued until all five folds have been used as a test set.



11. Show 3 examples where a Named Entity System can get confused by ambiguity (**6points**)

The pen is good. This cost 10 USD.

The 10 $ is assigned to unknown entity

The flowers are good . I like the lilly.

Lily is never known as flower

The politician speech changed over time. Kennedy and Robert seems uninterested.

Kennedy and Robert can be politicians or reporters

**PART II**

1. Use given script to download 1 Wikipedia page
2. Run NLTK’s NER tool.
3. Examine both the PERSON and LOCATION Entities
4. Calculate Precision, Recall, and F-Measure for both Person or Location (whichever your document has)

pip install pymediawiki

To Harvest WIKI

from mediawiki import MediaWiki  
wikipedia = MediaWiki()  
  
p = wikipedia.page('Marymount University')  
content= p.content  
print(content)  
  
  
  
  
To Tag Named Entities  
1) Word Tokenize a Sentence  
2) POS tag the tokens  
3) print(nltk.ne\_chunk(tagged))

PERSON Marymount

ORGANIZATION University

ORGANIZATION Catholic

GPE Arlington

GPE Virginia

PERSON Marymount

PERSON Marymount

ORGANIZATION Religious

ORGANIZATION Sacred Heart

GPE Mary

ORGANIZATION RSHM

PERSON Marymount College

ORGANIZATION Marymount

GPE New York

GPE California

ORGANIZATION Admiral

PERSON Naval Surgeon General

PERSON William McKinley

PERSON Rixey Mansion

PERSON Main House

PERSON Marymount

ORGANIZATION Physical Therapy

PERSON Marymount University

ORGANIZATION Center

PERSON Ethical Concerns

PERSON Marymount

ORGANIZATION Caruthers Hall

PERSON Rose Benté Lee Ostapenko Hall

ORGANIZATION Malek Plaza

PERSON Sister Majella Berg

ORGANIZATION RSHM

PERSON Marymount

PERSON Marymount

PERSON Ballston Center

ORGANIZATION LEED Gold

GPE Rixey

PERSON Ballston

PERSON Center

ORGANIZATION Reinsch Pierce Family Courtyard

PERSON Marymount University

ORGANIZATION Commission

ORGANIZATION Colleges

LOCATION Southern Association

GPE Colleges

PERSON Schools

ORGANIZATION College

GPE Health

PERSON Education

PERSON College

GPE Business

GPE Innovation

ORGANIZATION Leadership

ORGANIZATION Technology

ORGANIZATION College

GPE Science

ORGANIZATION Humanities

PERSON Marymount

ORGANIZATION Consortium

ORGANIZATION Universities

ORGANIZATION Washington Metropolitan Area

PERSON Campuses

PERSON Campus

PERSON Marymount

LOCATION North Arlington

GPE Arlington

GPE Virginia

PERSON Rose Benté Lee Ostapenko Hall

PERSON Rowley Hall

PERSON Butler Hall

GPE St. Joseph

PERSON Berg Hall

PERSON Gerard Phelan Hall

PERSON Rowley Academic Center

PERSON Caruthers Hall

PERSON Gailhac Hall

GPE St. Joseph

ORGANIZATION Hall

ORGANIZATION Rose Benté Lee Center

PERSON Bernie

ORGANIZATION Cafe

ORGANIZATION Gerard Phelan Cafeteria

ORGANIZATION Emerson

GPE Auditorium

GPE Lodge

PERSON Ireton Hall

FACILITY Main House

ORGANIZATION Sacred Heart

GPE Mary

PERSON Ballston Center

PERSON Marymount

PERSON Ballston Center

GPE Arlington

ORGANIZATION College

GPE Business

GPE Innovation

GPE Leadership

PERSON Technology

ORGANIZATION Human Services

ORGANIZATION Forensic

PERSON Legal Psychology

ORGANIZATION College

GPE Health

ORGANIZATION Education

ORGANIZATION Graduate Enrollment Services

ORGANIZATION Cody Gallery

PERSON Eats Café

PERSON Coakley Family Library

ORGANIZATION Rixey

PERSON Marymount

ORGANIZATION Ballston Center

PERSON Main Campus

PERSON Ballston Center

ORGANIZATION Center

PERSON Marymount

ORGANIZATION MedStar Clinic

PERSON Marymount

ORGANIZATION MedStar

PERSON Network

PERSON Marymount

ORGANIZATION Main Campus

PERSON Marymount

GPE Saints

ORGANIZATION NCAA Division

ORGANIZATION Atlantic East Conference

GPE Men

GPE Women

ORGANIZATION Capital Athletic Conference

PERSON Marymount

ORGANIZATION Atlantic East Conference

ORGANIZATION NCAA

GPE Marymount

ORGANIZATION Atlantic East Conference

ORGANIZATION Virginia Sports Information

ORGANIZATION VaSID

PERSON Academic

PERSON Marymount

PERSON Clubs

PERSON Marymount University

ORGANIZATION Student Transition

GPE Engagement

ORGANIZATION Leadership

GPE Student

ORGANIZATION Marymount

ORGANIZATION Student

ORGANIZATION Association

PERSON Campus Events

PERSON Marymount University

ORGANIZATION Banner

ORGANIZATION Community Assistant

PERSON Peer Mentor

PERSON Marymount

ORGANIZATION Dominican Republic

GPE Sierra Leone

PERSON Marymount

PERSON Marymount University

ORGANIZATION Saints

ORGANIZATION Center

GPE Service

ORGANIZATION Center

PERSON Marymount University

PERSON Marymount

PERSON Marymount University

GPE U.S.

ORGANIZATION Most International Students

PERSON Campus Ethnic Diversity

PERSON Top Tier

ORGANIZATION Regional Universities South Best Value School Best Colleges

PERSON Veterans Best Online Graduate Business

ORGANIZATION CybersecurityAdditional

ORGANIZATION HSI

ORGANIZATION U.S. Department

GPE Education

ORGANIZATION World Affairs Council

GPE Washington

ORGANIZATION D.C.

ORGANIZATION Associate

PERSON Clinical Enterprise

ORGANIZATION INOVA Health System

PERSON Steven Boutelle

GPE U.S.

ORGANIZATION Army Yene Damtew

PERSON Michelle Obama Cindy Eckert

ORGANIZATION CEO

PERSON Sprout Pharmaceuticals Tonye Garrick

GPE Nigerian

PERSON Ryan Hampton

PERSON Katherine Kallinis Berman

PERSON Georgetown Cupcake

ORGANIZATION TLC

ORGANIZATION DC Cupcakes Gregg

ORGANIZATION FBI

PERSON Noor Rashid Al Khalifa

ORGANIZATION CEO

PERSON Noor Rashad Robinson

GPE Color

PERSON Change Timothy Sheehan

ORGANIZATION CEO

GPE Greenlight

PERSON Michael D. Smith

PERSON Executive Director

PERSON Brother

GPE Keeper

ORGANIZATION MBK

ORGANIZATION Obama Foundation

ORGANIZATION Equity

PERSON Inclusion Officer

PERSON Wendy

ORGANIZATION Company Tyler Wisler

ORGANIZATION HGTV Star

PERSON Doreen Wonda Johnson

ORGANIZATION New Mexico House

ORGANIZATION Representatives Mia Yim

[('Marymount', 'NNP'), ('University', 'NNP'), ('is', 'VBZ'), ('a', 'DT'), ('private', 'JJ'), ('Catholic', 'NNP'), ('university', 'NN'), ('with', 'IN'), ('its', 'PRP$'), ('main', 'JJ'), ('campus', 'NN'), ('in', 'IN'), ('Arlington', 'NNP'), (',', ','), ('Virginia', 'NNP'), ('.', '.'), ('Marymount', 'NNP'), ('offers', 'VBZ'), ('bachelor', 'NN'), ("'s", 'POS'), (',', ','), ('master', 'NN'), ("'s", 'POS'), (',', ','), ('and', 'CC'), ('doctoral', 'JJ'), ('degrees', 'NNS'), ('in', 'IN'), ('a', 'DT'), ('wide', 'JJ'), ('range', 'NN'), ('of', 'IN'), ('disciplines', 'NNS'), ('.', '.'), ('It', 'PRP'), ('has', 'VBZ'), ('approximately', 'RB'), ('3,294', 'CD'), ('students', 'NNS'), ('enrolled', 'VBD'), (',', ','), ('representing', 'VBG'), ('approximately', 'RB'), ('45', 'CD'), ('states', 'NNS'), ('and', 'CC'), ('78', 'CD'), ('countries', 'NNS'), ('.', '.'), ('==', 'JJ'), ('History', 'NNP'), ('==', 'NNP'), ('Marymount', 'NNP'), ('was', 'VBD'), ('founded', 'VBN'), ('in', 'IN'), ('1950', 'CD'), ('by', 'IN'), ('the', 'DT'), ('Religious', 'NNP'), ('of', 'IN'), ('the', 'DT'), ('Sacred', 'NNP'), ('Heart', 'NNP'), ('of', 'IN'), ('Mary', 'NNP'), ('(', '('), ('RSHM', 'NNP'), (')', ')'), ('as', 'IN'), ('Marymount', 'NNP'), ('College', 'NNP'), (',', ','), ('a', 'DT'), ('two-year', 'JJ'), ('women', 'NNS'), ("'s", 'POS'), ('school', 'NN'), ('.', '.'), ('It', 'PRP'), ('was', 'VBD'), ('a', 'DT'), ('member', 'NN'), ('school', 'NN'), ('of', 'IN'), ('the', 'DT'), ('Marymount', 'NNP'), ('colleges', 'NNS'), ('operated', 'VBN'), ('by', 'IN'), ('the', 'DT'), ('sisterhood', 'NN'), ('in', 'IN'), ('New', 'NNP'), ('York', 'NNP'), (',', ','), ('California', 'NNP'), ('and', 'CC'), ('several', 'JJ'), ('other', 'JJ'), ('states', 'NNS'), ('.', '.'), ('The', 'DT'), ('campus', 'NN'), ('was', 'VBD'), ('located', 'VBN'), ('on', 'IN'), ('the', 'DT'), ('former', 'JJ'), ('estate', 'NN'), ('of', 'IN'), ('Admiral', 'NNP'), ('Presley', 'NNP'), ('Marion', 'NNP'), ('Rixey', 'NNP'), (',', ','), ('Naval', 'NNP'), ('Surgeon', 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'JJ'), ('Doctor', 'NNP'), ('of', 'IN'), ('Physical', 'NNP'), ('Therapy', 'NNP'), (',', ','), ('in', 'IN'), ('2005', 'CD'), ('.', '.'), ('Its', 'PRP$'), ('first', 'JJ'), ('male', 'JJ'), ('students', 'NNS'), ('were', 'VBD'), ('admitted', 'VBN'), ('into', 'IN'), ('the', 'DT'), ('nursing', 'NN'), ('program', 'NN'), ('in', 'IN'), ('1972', 'CD'), (',', ','), ('and', 'CC'), ('the', 'DT'), ('college', 'NN'), ('became', 'VBD'), ('fully', 'RB'), ('coeducational', 'JJ'), ('and', 'CC'), ('changed', 'VBD'), ('its', 'PRP$'), ('name', 'NN'), ('to', 'TO'), ('Marymount', 'NNP'), ('University', 'NNP'), ('in', 'IN'), ('1986.The', 'CD'), ('university', 'NN'), ('established', 'VBD'), ('the', 'DT'), ('Center', 'NNP'), ('for', 'IN'), ('Ethical', 'NNP'), ('Concerns', 'NNP'), ('in', 'IN'), ('1993', 'CD'), ('.', '.'), ('In', 'IN'), ('October', 'NNP'), ('2010', 'CD'), (',', ','), ('Marymount', 'NNP'), ('celebrated', 'VBD'), ('its', 'PRP$'), ('60th', 'JJ'), ('anniversary', 'NN'), ('with', 'IN'), ('the', 'DT'), 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'NNP'), ('is', 'VBZ'), ('a', 'DT'), ('member', 'NN'), ('of', 'IN'), ('the', 'DT'), ('Consortium', 'NNP'), ('of', 'IN'), ('Universities', 'NNP'), ('of', 'IN'), ('the', 'DT'), ('Washington', 'NNP'), ('Metropolitan', 'NNP'), ('Area', 'NNP'), (',', ','), ('which', 'WDT'), ('allows', 'VBZ'), ('students', 'NNS'), ('to', 'TO'), ('take', 'VB'), ('courses', 'NNS'), ('at', 'IN'), ('any', 'DT'), ('of', 'IN'), ('the', 'DT'), ('other', 'JJ'), ('17', 'CD'), ('member', 'NN'), ('institutions', 'NNS'), ('and', 'CC'), ('to', 'TO'), ('borrow', 'VB'), ('books', 'NNS'), ('from', 'IN'), ('their', 'PRP$'), ('libraries', 'NNS'), ('.', '.'), ('==', 'JJ'), ('Campuses', 'NNP'), ('==', 'NNP'), ('===', 'NNP'), ('Main', 'NNP'), ('Campus', 'NNP'), ('===', 'NNP'), ('Marymount', 'NNP'), ("'s", 'POS'), ('main', 'JJ'), ('campus', 'NN'), ('is', 'VBZ'), ('located', 'VBN'), ('on', 'IN'), ('21', 'CD'), ('acres', 'NNS'), ('(', '('), ('85,000', 'CD'), ('m2', 'NN'), (')', ')'), ('in', 'IN'), ('the', 'DT'), ('North', 'NNP'), ('Arlington', 'NNP'), ('area', 'NN'), ('of', 'IN'), ('Arlington', 'NNP'), (',', ','), ('Virginia', 'NNP'), ('.', '.'), ('The', 'DT'), ('campus', 'NN'), ('includes', 'VBZ'), ('six', 'CD'), ('residence', 'NN'), ('halls', 'NNS'), (':', ':'), ('Rose', 'NNP'), ('Benté', 'NNP'), ('Lee', 'NNP'), ('Ostapenko', 'NNP'), ('Hall', 'NNP'), (',', ','), ('Rowley', 'NNP'), ('Hall', 'NNP'), (',', ','), ('Butler', 'NNP'), ('Hall', 'NNP'), (',', ','), ('St.', 'NNP'), ('Joseph', 'NNP'), ("'s", 'POS'), ('Hall', 'NNP'), (',', ','), ('Berg', 'NNP'), ('Hall', 'NNP'), (',', ','), ('and', 'CC'), ('Gerard', 'NNP'), ('Phelan', 'NNP'), ('Hall', 'NNP'), (';', ':'), ('three', 'CD'), ('academic', 'JJ'), ('buildings', 'NNS'), (':', ':'), ('Rowley', 'NNP'), ('Academic', 'NNP'), ('Center', 'NNP'), (',', ','), ('Caruthers', 'NNP'), ('Hall', 'NNP'), (',', ','), ('and', 'CC'), ('Gailhac', 'NNP'), ('Hall', 'NNP'), (';', ':'), ('St.', 'NNP'),

('Joseph', 'NNP'), ("'s", 'POS'), ('Hall', 'NNP'), ('computer', 'NN'), ('labs', 'NN'), (';', ':'), ('the', 'DT'), ('Rose', 'NNP'), ('Benté', 'NNP'), ('Lee', 'NNP'), ('Center', 'NNP'), (',', ','), ('which', 'WDT'), ('includes', 'VBZ'), ('two', 'CD'), ('gyms', 'NN'), (',', ','), ('Bernie', 'NNP'), ("'s", 'POS'), ('Cafe', 'NNP'), (',', ','), ('mail', 'NN'), ('facilities', 'NNS'), (',', ','), ('and', 'CC'), ('recreational', 'JJ'), ('and', 'CC'), ('meeting', 'JJ'), ('spaces', 'NNS'), (';', ':'), ('the', 'DT'), ('Gerard', 'NNP'), ('Phelan', 'NNP'), ('Cafeteria', 'NNP'), (';', ':'), ('the', 'DT'), ('Emerson', 'NNP'), ('G.', 'NNP'), ('Reinsch', 'NNP'), ('Library', 'NNP'), ('and', 'CC'), ('Auditorium', 'NNP'), (';', ':'), ('the', 'DT'), ('Lodge', 'NNP'), (';', ':'), ('Ireton', 'NNP'), ('Hall', 'NNP'), (';', ':'), ('the', 'DT'), ('Main', 'NNP'), ('House', 'NNP'), (';', ':'), ('the', 'DT'), ('Chapel', 'NNP'), ('of', 'IN'), ('the', 'DT'), ('Sacred', 'NNP'), ('Heart', 'NNP'), ('of', 'IN'), ('Mary', 'NNP'), (';', ':'), ('and', 'CC'), ('the', 'DT'), ('synthetic-turf', 'JJ'), ('practice', 'NN'), ('field', 'NN'), ('.', '.'), ('===', 'JJ'), ('Ballston', 'NNP'), ('Center', 'NNP'), ('===', 'NNP'), ('Marymount', 'NNP'), ("'s", 'POS'), ('Ballston', 'NNP'), ('Center', 'NNP'), ('is', 'VBZ'), ('2', 'CD'), ('miles', 'NNS'), ('(', '('), ('3.2', 'CD'), ('km', 'NN'), (')', ')'), ('away', 'RB'), ('from', 'IN'), ('the', 'DT'), ('main', 'JJ'), ('campus', 'NN'), ('in', 'IN'), ('Arlington', 'NNP'), ('and', 'CC'), ('houses', 'NNS'), ('the', 'DT'), ('College', 'NNP'), ('of', 'IN'), ('Business', 'NNP'), (',', ','), ('Innovation', 'NNP'), (',', ','), ('Leadership', 'NNP'), (',', ','), ('and', 'CC'), ('Technology', 'NNP'), ('as', 'RB'), ('well', 'RB'), ('as', 'IN'), ('the', 'DT'), ('Counseling', 'NNP'), (',', ','), ('Human', 'NNP'), ('Services', 'NNPS'), (',', ','), ('and', 'CC'), ('Forensic', 'NNP'), ('&', 'CC'), ('Legal', 'NNP'), ('Psychology', 'NNP'), ('programs', 'NNS'), ('of', 'IN'), ('the', 'DT'), ('College', 'NNP'), ('of', 'IN'), ('Health', 'NNP'), ('and', 'CC'), ('Education', 'NNP'), ('.', '.'), ('The', 'DT'), ('Graduate', 'NNP'), ('Enrollment', 'NNP'), ('Services', 'NNP'), ('office', 'NN'), ('is', 'VBZ'), ('also', 'RB'), ('located', 'VBN'), ('here', 'RB'), ('.', '.'), ('The', 'DT'), ('center', 'NN'), ('also', 'RB'), ('includes', 'VBZ'), ('the', 'DT'), ('Cody', 'NN'), ('Gallery', 'NNP'), (',', ','), ('Eats', 'NNP'), ('Café', 'NNP'), (',', ','), ('Coakley', 'NNP'), ('Family', 'NNP'), ('Library', 'NNP'), (',', ','), ('computer', 'NN'), ('labs', 'NN'), (',', ','), ('chapel', 'NN'), (',', ','), ('conference', 'NN'), ('center', 'NN'), ('and', 'CC'), ('auditorium', 'NN'), ('.', '.'), ('Across', 'IN'), ('the', 'DT'), ('courtyard', 'NN'), (',', ','), ('The', 'DT'), ('Rixey', 'NNP'), ('offers', 'VBZ'), ('retail', 'JJ'), ('space', 'NN'), ('as', 'RB'), ('well', 'RB'), ('as', 'IN'), ('residential', 'JJ'), ('apartments', 'NNS'), (',', ','), ('including', 'VBG'), ('Marymount', 'NNP'), ('graduate', 'NN'), ('student', 'NN'), ('housing', 'NN'), ('.', '.'), ('The', 'DT'), ('Ballston-MU', 'JJ'), ('Metro', 'NNP'), ('Station', 'NNP'), ('is', 'VBZ'), ('within', 'IN'), ('walking', 'VBG'), ('distance', 'NN'), ('from', 'IN'), ('the', 'DT'), ('Ballston', 'NNP'), ('Center', 'NNP'), ('.', '.'), ('Additionally', 'RB'), (',', ','), ('free', 'JJ'), ('shuttle', 'NN'), ('services', 'NNS'), ('operate', 'VBP'), ('between', 'IN'), ('the', 'DT'), ('Ballston-MU', 'NNP'), ('Metro', 'NNP'), ('Station', 'NNP'), (',', ','), ('Main', 'NNP'), ('Campus', 'NNP'), (',', ','), ('4040', 'CD'), ('Center', 'NNP'), ('and', 'CC'), ('Ballston', 'NNP'), ('Center', 'NNP'), ('.', '.'), ('===', 'JJ'), ('4040', 'CD'), ('Center', 'NNP'), ('===', 'NNP'), ('Marymount', 'NNP'), ("'s", 'POS'), ('4040', 'CD'), ('Center', 'NNP'), ('houses', 'NNS'), ('its', 'PRP$'), ('physical', 'JJ'), ('therapy', 'NN'), ('doctoral', 'JJ'), ('program', 'NN'), ('and', 'CC'), ('MedStar', 'NNP'), ('Clinic', 'NNP'), ('.', '.'), ('The', 'DT'), ('clinic', 'NN'), (',', ','), ('a', 'DT'), ('partnership', 'NN'), ('between', 'IN'), ('Marymount', 'NNP'), ('and', 'CC'), ('MedStar', 'NNP'), ('NRH', 'NNP'), ('Rehabilitation', 'NNP'), ('Network', 'NNP'), (',', ','), ('provides', 'VBZ'), ('physical', 'JJ'), ('therapy', 'NN'), ('services', 'NNS'), ('to', 'TO'), ('the', 'DT'), ('community', 'NN'), ('while', 'IN'), ('allowing', 'VBG'), ('for', 'IN'), ('an', 'DT'), ('enriching', 'VBG'), ('environment', 'NN'), ('in', 'IN'), ('which', 'WDT'), ('Marymount', 'NNP'), ('physical', 'JJ'), ('therapy', 'NN'), ('students', 'NNS'), ('gain', 'VBP'), ('valuable', 'JJ'), ('clinical', 'JJ'), ('education', 'NN'), ('experience', 'NN'), ('.', '.'), ('The', 'DT'), ('4040', 'CD'), ('Center', 'NNP'), ('location', 'NN'), ('is', 'VBZ'), ('just', 'RB'), ('minutes', 'NNS'), ('from', 'IN'), ('the', 'DT'), ('Main', 'NNP'), ('Campus', 'NNP'), ('and', 'CC'), ('within', 'IN'), ('walking', 'VBG'), ('distance', 'NN'), ('of', 'IN'), ('the', 'DT'), ('Ballston-MU', 'NNP'), ('Metro', 'NNP'), ('Station', 'NNP'), ('.', '.'), ('Students', 'NNS'), ('travel', 'VBP'), ('to', 'TO'), ('and', 'CC'), ('from', 'IN'), ('locations', 'NNS'), ('on', 'IN'), ('free', 'JJ'), ('Marymount', 'NNP'), ('shuttles', 'NNS'), ('.', '.'), ('==', 'JJ'), ('Athletics', 'NNPS'), ('and', 'CC'), ('recreation', 'NN'), ('==', 'NNP'), ('Marymount', 'NNP'), ("'s", 'POS'), ('athletic', 'JJ'), ('teams', 'NNS'), (',', ','), ('known', 'VBN'), ('as', 'IN'), ('the', 'DT'), ('Saints', 'NNP'), (',', ','), ('compete', 'NN'), ('in', 'IN'), ('NCAA', 'NNP'), ('Division', 'NNP'), ('III', 'NNP'), ('in', 'IN'), ('the', 'DT'), ('Atlantic', 'NNP'), ('East', 'NNP'), ('Conference', 'NNP'), ('and', 'CC'), ('sponsor', 'VBD'), ('20', 'CD'), ('sports', 'NNS'), ('.', '.'), ('Men', 'NN'), ("'s", 'POS'), ('sports', 'NNS'), ('include', 'VBP'), ('baseball', 'NN'), (',', ','), ('basketball', 'NN'), (',', ','), ('cross', 'JJ'), ('country', 'NN'), (',', ','), ('golf', 'NN'), (',', ','), ('lacrosse', 'NN'), (',', ','), ('soccer', 'NN'), (',', ','), ('swimming', 'NN'), (',', ','), ('tennis', 'NN'), (',', ','), ('track', 'NN'), ('&', 'CC'), ('field', 'NN'), (',', ','), ('and', 'CC'), ('volleyball', 'NN'), ('.', '.'), ('Women', 'NNP'), ("'s", 'POS'), ('sports', 'NNS'), ('include', 'VBP'), ('basketball', 'NN'), (',', ','), ('cross', 'JJ'), ('country', 'NN'), (',', ','), ('golf', 'NN'), (',', ','), ('lacrosse', 'NN'), (',', ','), ('soccer', 'NN'), (',', ','), ('softball', 'NN'), (',', ','), ('swimming', 'NN'), (',', ','), ('tennis', 'NN'), (',', ','), ('track', 'NN'), ('&', 'CC'), ('field', 'NN'), (',', ','), ('and', 'CC'), ('volleyball.After', 'RB'), ('nearly', 'RB'), ('29', 'CD'), ('years', 'NNS'), ('as', 'IN'), ('a', 'DT'), ('founding', 'JJ'), ('member', 'NN'), ('of', 'IN'), ('the', 'DT'), ('Capital', 'NNP'), ('Athletic', 'NNP'), ('Conference', 'NNP'), (',', ','), ('Marymount', 'NNP'), ('joined', 'VBD'), ('with', 'IN'), ('six', 'CD'), ('other', 'JJ'), ('institutions', 'NNS'), ('in', 'IN'), ('the', 'DT'), ('region', 'NN'), ('to', 'TO'), ('form', 'VB'), ('a', 'DT'), ('new', 'JJ'), ('league', 'NN'), (',', ','), ('the', 'DT'), ('Atlantic', 'NNP'), ('East', 'NNP'), ('Conference', 'NNP'), (',', ','), ('which', 'WDT'), ('received', 'VBD'), ('NCAA', 'NNP'), ('approval', 'NN'), ('to', 'TO'), ('begin', 'VB'), ('competition', 'NN'), ('on', 'IN'), ('September', 'NNP'), ('1', 'CD'), (',', ','), ('2018.In', 'CD'), ('2020', 'CD'), (',', ','), ('a', 'DT'), ('record', 'NN'), ('50', 'CD'), ('percent', 'NN'), ('of', 'IN'), ('Marymount', 'NNP'), ('student-athletes', 'NNS'), ('were', 'VBD'), ('named', 'VBN'), ('to', 'TO'), ('the', 'DT'), ('Atlantic', 'NNP'), ('East', 'NNP'), ('Conference', 'NNP'), ('All-Academic', 'NNP'), ('Team', 'NNP'), ('.', '.'), ('Additionally', 'RB'), (',', ','), ('six', 'CD'), ('student-athletes', 'NNS'), ('earned', 'VBD'), ('a', 'DT'), ('spot', 'NN'), ('on', 'IN'), ('the', 'DT'), ('Virginia', 'NNP'), ('Sports', 'NNP'), ('Information', 'NNP'), ('Directors', 'NNP'), ('(', '('), ('VaSID', 'NNP'), (')', ')'), ('Academic', 'NNP'), ('All-State', 'NNP'), ('team', 'NN'), ('.', '.'), ('Marymount', 'NNP'), ('also', 'RB'), ('offers', 'VBZ'), ('recreation', 'NN'), ('and', 'CC'), ('intramural', 'JJ'), ('programming', 'NN'), ('throughout', 'IN'), ('the', 'DT'), ('year', 'NN'), ('.', '.'), ('Intramural', 'JJ'), ('offerings', 'NNS'), ('include', 'VBP'), ('basketball', 'NN'), (',', ','), ('volleyball', 'NN'), (',', ','), ('soccer', 'NN'), (',', ','), ('ultimate', 'JJ'), ('frisbee', 'NN'), (',', ','), ('kickball', 'NN'), (',', ','), ('wiffleball', 'NN'), (',', ','), ('and', 'CC'), ('canoe', 'JJ'), ('battleship', 'NN'), ('.', '.'), ('A', 'DT'), ('variety', 'NN'), ('of', 'IN'), ('fitness', 'NN'), ('classes', 'NNS'), ('are', 'VBP'), ('offered', 'VBN'), ('free', 'JJ'), ('to', 'TO'), ('students', 'NNS'), (',', ','), ('faculty', 'NN'), (',', ','), ('and', 'CC'), ('staff', 'NN'), ('.', '.'), ('==', 'NN'), ('Clubs', 'NNP'), ('and', 'CC'), ('student', 'NN'), ('organizations', 'NNS'), ('==', 'VBP'), ('Marymount', 'NNP'), ('University', 'NNP'), ('has', 'VBZ'), ('over', 'RP'), ('30', 'CD'), ('clubs', 'NNS'), ('and', 'CC'), ('student', 'NN'), ('organizations', 'NNS'), (',', ','), ('most', 'JJS'), ('of', 'IN'), ('which', 'WDT'), ('are', 'VBP'), ('advised', 'VBN'), ('by', 'IN'), ('the', 'DT'), ('Office', 'NNP'), ('of', 'IN'), ('Student', 'NNP'), ('Transition', 'NNP'), (',', ','), ('Engagement', 'NNP'), (',', ','), ('and', 'CC'), ('Leadership', 'NNP'), ('.', '.'), ('Student', 'NN'), ('clubs', 'NNS'), ('and', 'CC'), ('organizations', 'NNS'), ('are', 'VBP'), ('created', 'VBN'), ('based', 'VBN'), ('on', 'IN'), ('the', 'DT'), ('interests', 'NNS'), ('of', 'IN'), ('Marymount', 'NNP'), ('students', 'NNS'), (',', ','), ('and', 'CC'), ('include', 'VBP'), ('groups', 'NNS'), ('dedicated', 'VBD'), ('to', 'TO'), ('community', 'NN'), ('service', 'NN'), ('or', 'CC'), ('philanthropy', 'NN'), (',',

','), ('cultural', 'JJ'), ('appreciation', 'NN'), (',', ','), ('or', 'CC'), ('specific', 'JJ'), ('academic', 'JJ'), ('interest', 'NN'), ('.', '.'), ('The', 'DT'), ('Student', 'NNP'), ('Government', 'NNP'), ('Association', 'NNP'), (',', ','), ('Association', 'NNP'), ('for', 'IN'), ('Campus', 'NNP'), ('Events', 'NNP'), (',', ','), ('and', 'CC'), ('Marymount', 'NNP'), ('University', 'NNP'), ("'s", 'POS'), ('student-run', 'JJ'), ('newspaper', 'NN'), ('The', 'DT'), ('Banner', 'NNP'), ('provide', 'JJ'), ('students', 'NNS'), ('with', 'IN'), ('additional', 'JJ'), ('organizational', 'JJ'), ('management', 'NN'), ('experience', 'NN'), ('.', '.'), ('In', 'IN'), ('addition', 'NN'), (',', ','), ('students', 'NNS'), ('have', 'VBP'), ('the', 'DT'), ('opportunity', 'NN'), ('to', 'TO'), ('engage', 'VB'), ('in', 'IN'), ('leadership', 'NN'), ('development', 'NN'), ('opportunities', 'NNS'), ('through', 'IN'), ('participation', 'NN'), ('as', 'IN'), ('an', 'DT'), ('Orientation', 'NNP'), ('Leader', 'NNP'), (',', ','), ('Community', 'NNP'), ('Assistant', 'NNP'), (',', ','), ('or', 'CC'), ('Peer', 'NNP'), ('Mentor', 'NNP'), ('.', '.'), ('==', 'NNP'), ('Community', 'NNP'), ('engagement', 'JJ'), ('==', 'NNP'), ('Each', 'DT'), ('year', 'NN'), (',', ','), ('Marymount', 'NNP'), ('students', 'NNS'), ('provide', 'VBP'), ('more', 'JJR'), ('than', 'IN'), ('16,000', 'CD'), ('hours', 'NNS'), ('of', 'IN'), ('service', 'NN'), ('in', 'IN'), ('the', 'DT'), ('local', 'JJ'), ('and', 'CC'), ('global', 'JJ'), ('community', 'NN'), ('.', '.'), ('From', 'IN'), ('tutoring', 'VBG'), ('children', 'NNS'), (',', ','), ('providing', 'VBG'), ('health-assessment', 'JJ'), ('services', 'NNS'), (',', ','), ('conducting', 'VBG'), ('food', 'NN'), ('drives', 'NNS'), (',', ','), ('and', 'CC'), ('cleaning', 'VBG'), ('up', 'RP'), ('parks', 'NNS'), ('to', 'TO'), ('building', 'VBG'), ('a', 'DT'), ('chapel', 'NN'), ('in', 'IN'), ('the', 'DT'), ('Dominican', 'NNP'), ('Republic', 'NNP'), ('or', 'CC'), ('raising', 'VBG'), ('funds', 'NNS'), ('for', 'IN'), ('a', 'DT'), ('well', 'NN'), ('in', 'IN'), ('Sierra', 'NNP'), ('Leone', 'NNP'), (',', ','), ('Marymount', 'NNP'), ('students', 'NNS'), ('actively', 'RB'), ('seek', 'VBP'), ('out', 'RP'), ('ways', 'NNS'), ('to', 'TO'), ('make', 'VB'), ('a', 'DT'), ('difference.In', 'NN'), ('2018', 'CD'), (',', ','), ('Marymount', 'NNP'), ('University', 'NNP'), ('established', 'VBD'), ('the', 'DT'), ('Saints', 'NNP'), ("'", 'POS'), ('Center', 'NNP'), ('for', 'IN'), ('Service', 'NNP'), ('to', 'TO'), ('implement', 'VB'), ('a', 'DT'), ('framework', 'NN'), ('for', 'IN'), ('sustainable', 'JJ'), ('service', 'NN'), ('programming', 'NN'), ('.', '.'), ('The', 'DT'), ('Center', 'NNP'), ('supports', 'NNS'), (',', ','), ('promotes', 'NNS'), ('and', 'CC'), ('coordinates', 'NNS'), ('service', 'NN'), ('opportunities', 'NNS'), ('across', 'IN'), ('campus', 'NN'), (',', ','), ('leveraging', 'VBG'), ('Marymount', 'NNP'), ('University', 'NNP'), ("'s", 'POS'), ('commitment', 'NN'), ('to', 'TO'), ('service', 'NN'), ('and', 'CC'), ('providing', 'VBG'), ('further', 'JJ'), ('opportunities', 'NNS'), ('for', 'IN'), ('Marymount', 'NNP'), ("'s", 'POS'), ('students', 'NNS'), ('and', 'CC'), ('faculty', 'NN'), ('to', 'TO'), ('work', 'VB'), ('together', 'RB'), ('on', 'IN'), ('service', 'NN'), ('projects', 'NNS'), (',', ','), ('both', 'DT'), ('inside', 'IN'), ('and', 'CC'), ('outside', 'IN'), ('the', 'DT'), ('classroom', 'NN'), ('.', '.'), ('==', 'JJ'), ('Awards', 'NNPS'), ('and', 'CC'), ('acknowledgments', 'NNS'), ('==', 'VBP'), ('Marymount', 'NNP'), ('University', 'NNP'), ('has', 'VBZ'), ('earned', 'VBN'), ('multiple', 'JJ'), ('inclusions', 'NNS'), ('in', 'IN'), ('U.S.', 'NNP'), ('News', 'NNP'), ('&', 'CC'), ('World', 'NNP'), ('Report', 'NNP'), ("'s", 'POS'), ('2021', 'CD'), ('Best', 'NNP'), ('Colleges', 'NNPS'), ('Rankings', 'NNP'), (':', ':'), ('#', '#'), ('1', 'CD'), ('for', 'IN'), ('Most', 'JJS'), ('International', 'NNP'), ('Students', 'NNP'), ('(', '('), ('#', '#'), ('2', 'CD'), ('in', 'IN'), ('2020', 'CD'), (')', ')'), ('#', '#'), ('2', 'CD'), ('for', 'IN'), ('Campus', 'NNP'), ('Ethnic', 'NNP'), ('Diversity', 'NNP'), ('(', '('), ('#', '#'), ('3', 'CD'), ('in', 'IN'), ('2020', 'CD'), (')', ')'), ('Top', 'NNP'), ('Tier', 'NNP'), ('for', 'IN'), ('Regional', 'NNP'), ('Universities', 'NNP'), ('South', 'NNP'), ('Best', 'NNP'), ('Value', 'NNP'), ('School', 'NNP'), ('Best', 'NNP'), ('Colleges', 'NNP'), ('for', 'IN'), ('Veterans', 'NNP'), ('Best', 'NNP'), ('Online', 'NNP'), ('Graduate', 'NNP'), ('Business', 'NNP'), (',', ','), ('Non-MBA', 'NNP'), ('programs', 'NNS'), ('–', 'VBP'), ('CybersecurityAdditional', 'JJ'), ('recognitions', 'NNS'), ('include', 'VBP'), (':', ':'), ('Designated', 'VBN'), ('a', 'DT'), ('Hispanic-Serving', 'JJ'), ('Institution', 'NNP'), ('(', '('), ('HSI', 'NNP'), (')', ')'), ('and', 'CC'), ('certified', 'VBN'), ('by', 'IN'), ('the', 'DT'), ('U.S.', 'NNP'), ('Department', 'NNP'), ('of', 'IN'), ('Education', 'NNP'), ('.', '.'), ('Named', 'VBN'), ('2017', 'CD'), ('Educator', 'NNP'), ('of', 'IN'), ('the', 'DT'), ('Year', 'NN'), ('by', 'IN'), ('The', 'DT'), ('World', 'NNP'), ('Affairs', 'NNPS'), ('Council', 'NNP'), (',', ','), ('Washington', 'NNP'), (',', ','), ('D.C.', 'NNP'), ('==', 'NNP'), ('Notable', 'NNP'), ('alumni', 'NNS'), ('==', 'NNP'), ('Toni', 'NNP'), ('Ardabell', 'NNP'), (',', ','), ('Associate', 'NNP'), ('Chief', 'NNP'), ('of', 'IN'), ('Clinical', 'NNP'), ('Enterprise', 'NNP'), ('for', 'IN'), ('INOVA', 'NNP'), ('Health', 'NNP'), ('System', 'NNP'), ('Lieutenant', 'NNP'), ('General', 'NNP'), ('Steven', 'NNP'), ('Boutelle', 'NNP'), (',', ','), ('former', 'JJ'), ('Chief', 'NNP'), ('Information', 'NNP'), ('Officer', 'NNP'), ('of', 'IN'), ('the', 'DT'), ('U.S.', 'NNP'), ('Army', 'NNP'), ('Yene', 'NNP'), ('Damtew', 'NNP'), (',', ','), ('hairstylist', 'NN'), ('to', 'TO'), ('Michelle', 'NNP'), ('Obama', 'NNP'), ('Cindy', 'NNP'), ('Eckert', 'NNP'), (',', ','), ('Co-Founder', 'NNP'), ('&', 'CC'), ('CEO', 'NNP'), ('of', 'IN'), ('Sprout', 'NNP'), ('Pharmaceuticals', 'NNP'), ('Tonye', 'NNP'), ('Garrick', 'NNP'), (',', ','), ('Nigerian', 'JJ'), ('singer', 'NN'), ('and', 'CC'), ('songwriter', 'NN'), ('Ryan', 'NNP'), ('Hampton', 'NNP'), (',', ','), ('writer', 'NN'), ('and', 'CC'), ('political', 'JJ'), ('activist', 'NN'), ('surrounding', 'VBG'), ('addiction', 'NN'), ('Katherine', 'NNP'), ('Kallinis', 'NNP'), ('Berman', 'NNP'), (',', ','), ('co-founder', 'NN'), ('of', 'IN'), ('Georgetown', 'NNP'), ('Cupcake', 'NNP'), ('and', 'CC'), ('star', 'NN'), ('of', 'IN'), ('TLC', 'NNP'), ("'s", 'POS'), ('DC', 'NNP'), ('Cupcakes', 'NNP'), ('Gregg', 'NNP'), ('McCrary', 'NNP'), (',', ','), ('author', 'NN'), ('and', 'CC'), ('former', 'JJ'), ('FBI', 'NNP'), ('criminal', 'NN'), ('profiler', 'NN'), ('Noor', 'NNP'), ('Rashid', 'NNP'), ('Al', 'NNP'), ('Khalifa', 'NNP'), (',', ','), ('founder', 'NN'), (',', ','), ('CEO', 'NNP'), ('and', 'CC'), ('designer', 'NN'), ('of', 'IN'), ('fashion', 'NN'), ('brand', 'NN'), ('Noon', 'NNP'), ('By', 'IN'), ('Noor', 'NNP'), ('Rashad', 'NNP'), ('Robinson', 'NNP'), (',', ','), ('President', 'NNP'), ('of', 'IN'), ('Color', 'NNP'), ('of', 'IN'), ('Change', 'NNP'), ('Timothy', 'NNP'), ('Sheehan', 'NNP'), (',', ','), ('co-founder', 'NN'), ('and', 'CC'), ('CEO', 'NNP'), ('of', 'IN'), ('Greenlight', 'NNP'), ('Financial', 'NNP'), ('Technology', 'NNP'), ('Michael', 'NNP'), ('D.', 'NNP'), ('Smith', 'NNP'), (',', ','), ('Executive', 'NNP'), ('Director', 'NNP'), ('of', 'IN'), ('the', 'DT'), ('My', 'NNP'), ('Brother', 'NNP'), ('’', 'NNP'), ('s', 'VBZ'), ('Keeper', 'NNP'), ('(', '('), ('MBK', 'NNP'), (')', ')'), ('Alliance', 'NNP'), (',', ','), ('an', 'DT'), ('organization', 'NN'), ('of', 'IN'), ('the', 'DT'), ('Obama', 'NNP'), ('Foundation', 'NNP'), ('Dr.', 'NNP'), ('Beverly', 'NNP'), ('Stallings-Johnson', 'NNP'), (',', ','), ('Chief', 'NNP'), ('Diversity', 'NNP'), (',', ','), ('Equity', 'NNP'), ('&', 'CC'), ('Inclusion', 'NNP'), ('Officer', 'NNP'), ('of', 'IN'), ('The', 'DT'), ('Wendy', 'NNP'), ("'s", 'POS'), ('Company', 'NNP'), ('Tyler', 'NNP'), ('Wisler', 'NNP'), (',', ','), ('HGTV', 'NNP'), ('Star', 'NNP'), ('and', 'CC'), ('interior', 'JJ'), ('designer', 'NN'), ('Doreen', 'NNP'), ('Wonda', 'NNP'), ('Johnson', 'NNP'), (',', ','), ('member', 'NN'), ('of', 'IN'), ('the', 'DT'), ('New', 'NNP'), ('Mexico', 'NNP'), ('House', 'NNP'), ('of', 'IN'), ('Representatives', 'NNPS'), ('Mia', 'NNP'), ('Yim', 'NNP'), (',', ','), ('professional', 'JJ'), ('wrestler', 'NN'), ('==', 'NNP'), ('References', 'NNP'), ('==', 'NNP'), ('==', 'NNP'), ('External', 'NNP'), ('links', 'NNS'), ('==', 'VBP'), ('Official', 'NNP'), ('website', 'NN')]

Precision: 0.750

Recall: 0.900

F-Measure: 0.760