Core NLP:

New-1

Text Annotation

New-1:New

Lemma Annotation

New-1:New

POS

New-1:NNP

NER

New-1:O

Haven-2

Text Annotation

Haven-2:Haven

Lemma Annotation

Haven-2:Haven

POS

Haven-2:NNP

NER

Haven-2:O

warns-3

Text Annotation

warns-3:warns

Lemma Annotation

warns-3:warn

POS

warns-3:VBZ

NER

warns-3:O

of-4

Text Annotation

of-4:of

Lemma Annotation

of-4:of

POS

of-4:IN

NER

of-4:O

tainted-5

Text Annotation

tainted-5:tainted

Lemma Annotation

tainted-5:taint

POS

tainted-5:VBN

NER

tainted-5:O

;-6

Text Annotation

;-6:;

Lemma Annotation

;-6:;

POS

;-6::

NER

;-6:O

drugs-7

Text Annotation

drugs-7:drugs

Lemma Annotation

drugs-7:drug

POS

drugs-7:NNS

NER

drugs-7:O

amid-8

Text Annotation

amid-8:amid

Lemma Annotation

amid-8:amid

POS

amid-8:IN

NER

amid-8:O

overdose-9

Text Annotation

overdose-9:overdose

Lemma Annotation

overdose-9:overdose

POS

overdose-9:NN

NER

overdose-9:O

spike-10

Text Annotation

spike-10:spike

Lemma Annotation

spike-10:spike

POS

spike-10:NN

NER

spike-10:O

.-11

Text Annotation

.-11:.

Lemma Annotation

.-11:.

POS

.-11:.

NER

.-11:O

(ROOT (S (S (NP (NNP New) (NNP Haven)) (VP (VBZ warns) (PP (IN of) (NP (VBN tainted))))) (: ;) (S (NP (NNS drugs)) (PP (IN amid) (NP (NN overdose) (NN spike)))) (. .)))

-> warns/VBZ (root)

-> Haven/NNP (nsubj)

-> New/NNP (compound)

-> tainted/VBN (nmod:of)

-> of/IN (case)

-> ;/: (punct)

-> drugs/NNS (parataxis)

-> spike/NN (dep)

-> amid/IN (case)

-> overdose/NN (compound)

-> ./. (punct)

[CHAIN1-["New Haven" in sentence 1], CHAIN2-["tainted" in sentence 1], CHAIN3-["drugs" in sentence 1], CHAIN4-["overdose spike" in sentence 1], CHAIN5-["New Haven Amid Heroin" in sentence 2], CHAIN6-["Gov. Malloy" in sentence 2], CHAIN7-["Very Dangerous Situation In New Haven Amid Heroin hours" in sentence 2], CHAIN8-["Heroin hours" in sentence 2]]

Gov.-1

Text Annotation

Gov.-1:Gov.

Lemma Annotation

Gov.-1:Gov.

POS

Gov.-1:NNP

NER

Gov.-1:O

Malloy-2

Text Annotation

Malloy-2:Malloy

Lemma Annotation

Malloy-2:Malloy

POS

Malloy-2:NNP

NER

Malloy-2:PERSON

Warns-3

Text Annotation

Warns-3:Warns

Lemma Annotation

Warns-3:warn

POS

Warns-3:VBZ

NER

Warns-3:O

Of-4

Text Annotation

Of-4:Of

Lemma Annotation

Of-4:of

POS

Of-4:IN

NER

Of-4:O

Very-5

Text Annotation

Very-5:Very

Lemma Annotation

Very-5:very

POS

Very-5:RB

NER

Very-5:O

Dangerous-6

Text Annotation

Dangerous-6:Dangerous

Lemma Annotation

Dangerous-6:dangerous

POS

Dangerous-6:JJ

NER

Dangerous-6:O

Situation-7

Text Annotation

Situation-7:Situation

Lemma Annotation

Situation-7:situation

POS

Situation-7:NN

NER

Situation-7:O

In-8

Text Annotation

In-8:In

Lemma Annotation

In-8:in

POS

In-8:IN

NER

In-8:O

New-9

Text Annotation

New-9:New

Lemma Annotation

New-9:New

POS

New-9:NNP

NER

New-9:LOCATION

Haven-10

Text Annotation

Haven-10:Haven

Lemma Annotation

Haven-10:Haven

POS

Haven-10:NNP

NER

Haven-10:LOCATION

Amid-11

Text Annotation

Amid-11:Amid

Lemma Annotation

Amid-11:amid

POS

Amid-11:IN

NER

Amid-11:LOCATION

Heroin-12

Text Annotation

Heroin-12:Heroin

Lemma Annotation

Heroin-12:Heroin

POS

Heroin-12:NNP

NER

Heroin-12:LOCATION

hours-13

Text Annotation

hours-13:hours

Lemma Annotation

hours-13:hour

POS

hours-13:NNS

NER

hours-13:DATE

ago-14

Text Annotation

ago-14:ago

Lemma Annotation

ago-14:ago

POS

ago-14:IN

NER

ago-14:DATE

**TF-IDF Output:**

**Feature vector:**

(1048576,[3543,55025,78208,128384,293862,392666,443603,585960,704173,900679],[0.6931471805599453,0.6931471805599453,0.28768207245178085,0.6931471805599453,0.28768207245178085,0.6931471805599453,0.6931471805599453,0.6931471805599453,0.6931471805599453,0.6931471805599453])

(1048576,[2551,320042,511629,565590,836112,969502],[0.6931471805599453,0.6931471805599453,0.6931471805599453,0.6931471805599453,0.6931471805599453,0.6931471805599453])

(1048576,[2373,78208,96521,111295,293862,902927,995943],[0.6931471805599453,0.28768207245178085,0.6931471805599453,0.6931471805599453,0.28768207245178085,0.6931471805599453,0.6931471805599453])

**TF-IDF output:**

(ago,0.6931471805599453)

(overdose,0.6931471805599453)

(tainted;,0.6931471805599453)

(spike.,0.6931471805599453)

(Gov.,0.6931471805599453)

(of,0.6931471805599453)

(Warns,0.6931471805599453)

(amid,0.6931471805599453)

(Malloy,0.6931471805599453)

(In,0.6931471805599453)

(Very,0.6931471805599453)

(Amid,0.6931471805599453)

(drugs,0.6931471805599453)

(Dangerous,0.6931471805599453)

(Heroin,0.6931471805599453)

(Of,0.6931471805599453)

(Situation.,0.6931471805599453)

(warns,0.6931471805599453)

(hours,0.6931471805599453)

(Haven,0.28768207245178085)