

Data Science Capstone - Quiz 3

Preparation

Read data, create corpus using a sampling size and save unigrams, bigrams, trigrams and quagrams

Question 1

For each of the sentence fragments below use your natural language processing algorithm to predict the next word in the sentence.

When you breathe, I want to be the air for you. I'll be there for you, I'd live and I'd

give

eat

die

sleep

```
## [1] "When you breathe, I want to be the air for you. I'll be there for you, I'd live a
nd I'd  give"
## [1] 70.2
## [1] "When you breathe, I want to be the air for you. I'll be there for you, I'd live a
nd I'd  eat"
## [1] 24.2
## [1] "When you breathe, I want to be the air for you. I'll be there for you, I'd live a
nd I'd  die"
## [1] 14.5
## [1] "When you breathe, I want to be the air for you. I'll be there for you, I'd live a
nd I'd  sleep"
## [1] 21.4
```

Answer: die

Question 2

Guy at my table's wife got up to go to the bathroom and I asked about dessert and he started telling me about his marital

spiritual

horticultural

financial

```
## [1] "Guy at my table's wife got up to go to the bathroom and I asked about dessert and
he started telling me about his  marital"
## [1] 1.1
```

```
## [1] "Guy at my table's wife got up to go to the bathroom and I asked about dessert and he started telling me about his spiritual"

## [1] 5.8

## [1] "Guy at my table's wife got up to go to the bathroom and I asked about dessert and he started telling me about his horticultural"

## [1] 0.1

## [1] "Guy at my table's wife got up to go to the bathroom and I asked about dessert and he started telling me about his financial"

## [1] 17.6
```

Answer marital

Question 3

I'd give anything to see arctic monkeys this

month

decade

weekend

morning

```
## [1] "I'd give anything to see arctic monkeys this month"

## [1] 45.8

## [1] "I'd give anything to see arctic monkeys this decade"

## [1] 8

## [1] "I'd give anything to see arctic monkeys this weekend"

## [1] 38.2

## [1] "I'd give anything to see arctic monkeys this morning"

## [1] 50.3
```

Answer: weekend

Question 4

Talking to your mom has the same effect as a hug and helps reduce your

stress

sleepiness

hunger

happiness

```
## [1] "Talking to your mom has the same effect as a hug and helps reduce your stress"

## [1] 7.3

## [1] "Talking to your mom has the same effect as a hug and helps reduce your sleepiness"
```

```
## [1] 0
## [1] "Talking to your mom has the same effect as a hug and helps reduce your hunger"
## [1] 4.2
## [1] "Talking to your mom has the same effect as a hug and helps reduce your happiness"
## [1] 4.9
```

Answer stress

Question 5

When you were in Holland you were like 1 inch away from me but you hadn't time to take a
walk
look
minute
picture

```
## [1] "Talking to your mom has the same effect as a hug and helps reduce your walk"
## [1] 24.1
## [1] "Talking to your mom has the same effect as a hug and helps reduce your look"
## [1] 84.8
## [1] "Talking to your mom has the same effect as a hug and helps reduce your minute"
## [1] 15.2
## [1] "Talking to your mom has the same effect as a hug and helps reduce your picture"
## [1] 22
```

Answer: picture

Question 6

I'd just like all of these questions answered, a presentation of evidence, and a jury to settle the
incident
case
matter
account

```
## [1] "I'd just like all of these questions answered, a presentation of evidence, and a jury to settle the incident "
## [1] 7.8
## [1] "I'd just like all of these questions answered, a presentation of evidence, and a jury to settle the case "
## [1] 45.6
```

```
## [1] "I'd just like all of these questions answered, a presentation of evidence, and a jury to settle the matter  "
## [1] 32.7
## [1] "I'd just like all of these questions answered, a presentation of evidence, and a jury to settle the account  "
## [1] 12.7
```

Answer: matter

Question 7

I can't deal with unsymmetrical things. I can't even hold an uneven number of bags of groceries in each

finger

arm

toe

hand

```
## [1] "I can't deal with unsymmetrical things. I can't even hold an uneven number of bags of groceries in each finger  "
## [1] 4.7
## [1] "I can't deal with unsymmetrical things. I can't even hold an uneven number of bags of groceries in each arm  "
## [1] 6
## [1] "I can't deal with unsymmetrical things. I can't even hold an uneven number of bags of groceries in each toe  "
## [1] 1.9
## [1] "I can't deal with unsymmetrical things. I can't even hold an uneven number of bags of groceries in each hand  "
## [1] 37.4
```

Answer: hand

Question 8

Every inch of you is perfect from the bottom to the

middle

side

center

top

```
## [1] "Every inch of you is perfect from the bottom to the middle  "
## [1] 21.9
## [1] "Every inch of you is perfect from the bottom to the side  "
## [1] 40.2
```

```
## [1] "Every inch of you is perfect from the bottom to the center  "
## [1] 45.3
## [1] "Every inch of you is perfect from the bottom to the top  "
## [1] 53.7
```

Answer: top

Question 9

I'm thankful my childhood was filled with imagination and bruises from playing

outside

daily

inside

weekly

```
## [1] "I'm thankful my childhood was filled with imagination and bruises from playing ou
tside  "
## [1] 33.1
## [1] "I'm thankful my childhood was filled with imagination and bruises from playing da
ily  "
## [1] 17.1
## [1] "I'm thankful my childhood was filled with imagination and bruises from playing in
side  "
## [1] 26.1
## [1] "I'm thankful my childhood was filled with imagination and bruises from playing we
ekly  "
## [1] 6
```

Answer Outside

Question 10

I like how the same people are in almost all of Adam Sandler's

stories

pictures

novels

movies

```
## [1] "I like how the same people are in almost all of Adam Sandler's stories  "
## [1] 18
## [1] "I like how the same people are in almost all of Adam Sandler's pictures  "
## [1] 15.2
## [1] "I like how the same people are in almost all of Adam Sandler's novels  "
```

```
## [1] 3.9
```

```
## [1] "I like how the same people are in almost all of Adam Sandler's movies "
```

```
## [1] 9.5
```

Answer: movies