**∷** 

Ŋ

 $\mathcal{Q}$ 

 $\checkmark$ 

命

 $\bigcirc$ 

Mark 1.00 out of 1.00

☑ a. Positive Pointwise Mutual Information b. Cosine similarity c. Kullback-Leibler Divergence d. Shannon-Jensen Divergence ✓ e. TF-IDF ✓ f. Laplace smoothing The correct answers are: Positive Pointwise Mutual Information, TF-IDF, Laplace smoothing Question 8 Correct Mark 1.00 out of Which of these is a suitable logical representation for the semantics of the word `likes' if it was the semantics for the Verb `likes' in a Context Free Grammar tree whose semantic formulae would be compiled upwards?

e.  $\lambda x. \lambda y. \exists e \ like(e) \land liker(e, x) \land liked(e, y)$ The correct answer is:  $\lambda x$ .  $\lambda y$ .  $\exists e \ like(e) \land liker(e, y) \land liked(e, x)$ 

Correct Mark 1.00 out of 1.00 Consider the below document-term matrix for the documents `Romeo and Juliet' and `Richard III' with a vector basis of the frequency of the two terms shown. Calculate the cosine similarity between the two document vectors. Give your answer to 2 DECIMAL PLACES. Richard III Romeo and Juliet 22 10 battle

16

24

◀ Zoom recording link Week 10 (sound on

QReview not working)

company

**Student Life** 

Student email

Queen Mary Students' Union

Student Enquiry Centre

QMplus for students

My QMUL

Careers

a.  $\lambda e. \lambda x. like(e) \wedge liker(e, y) \wedge liked(e, x)$ 

• c.  $\lambda x$ .  $\lambda y$ .  $\exists e \ like(e) \land liker(e, y) \land liked(e, x)$ 

d.  $\lambda e. \lambda y. like(e) \wedge liker(e, y) \wedge liked(e, x)$ 

b.  $\exists x. \exists y. \exists e \ like(e) \land liker(e, x) \land liked(e, y)$ 

Select one:

Question **9** 

love

Question **10** 

Correct

Answer: 0.64

Select one or more:

Select all of the below which are vector weighting methods.

The correct answer is: 0.64

Mark 1.00 out of 1.00 Consider the below document-term matrix for the documents `One Hundred Years of Solitude' and `Enron: The Smartest Guys in the Room' with a vector basis of the frequency of the two terms shown. Calculate the cosine similarity between the two document vectors. Give your answer to 2 DECIMAL PLACES. Enron: The Smartest Guys in One Hundred Years of Solitude the Room

34

16 magic Answer: 0.89

Finish review

Unit 9 Slides ▶

Archives

Archive

2021/22

2020/21

2019/20

2018/19

2017/18

The correct answer is: 0.89

Library Library Landing Page Library Website Find It! Use It! Reference It! Library Search Subject Guides

Cite Them Right

Academic Skills

Jump to...



Site policies and guidelines | Accessibility toolbar | Manual login