X

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Natural Language Processing -

Week 9 : Assignment 9

The due date for submitting this assignment has passed.

Due on 2021-09-29, 23:59 IST.

Assignment submitted on 2021-09-28, 09:17 IST

1) Which of these features of the texts are not analyzed by the NLP for attributing authorship? ***1 point***

- Jaccard similarity
- Stop words
- Word Length
- None of the above

Yes, the answer is correct.
Score: 1
Accepted Answers:
None of the above

2) NetworkX can be used to solve large-scale problems that require faster approaches. ***1 point***
State whether the above statement is true or false.

- True
- False

Yes, the answer is correct.
Score: 1
Accepted Answers:
False

Author Stylometry (unit?unit=188&lesson=189)
Natural Language Processing - Author Stylometry - Part 01 (unit?unit=188&lesson=190)
Natural Language Processing - Author Stylometry - Part 02 (unit?unit=188&lesson=191)
Natural Language Processing - Author Stylometry - Part 03 (unit?unit=188&lesson=192)
Natural Language Processing - Author Stylometry - Part 04 (unit?unit=188&lesson=193)
Natural Language Processing - Author Stylometry - Part 05 (unit?unit=188&lesson=194)
Natural Language Processing - Author Stylometry - Part 06 (unit?unit=188&lesson=195)
Natural Language Processing - Author Stylometry -

3) What is the output of the following program? ***1 point***

```
import networkx as nx
g=nx.Graph()
g.add_edge('a','b', weight=.1)
g.add_edge('b','c',weight=1.5)
g.add_edge('a','c',weight=1.0)
g.add_edge('c','d',weight=2.2)
print (nx.shortest_path(g,'b','d'))
```

- (●) ['b', 'c', 'd']
- ( ) ['b', 'a', 'c', 'd']
- ( ) It will give an error
- ( ) ['d', 'a', 'c', 'b']

Yes, the answer is correct.
Score: 1
Accepted Answers:
['b', 'c', 'd']

4) Consider the following statements. ***1 point***

(1) subgraph(G, nbunch) - induce subgraph of G on nodes in nbunch
(2) union(G1,G2) - graph union
(3) disjoint_union(G1,G2) - graph union assuming all nodes are same
(4) cartesian_product(G1,G2) - return Cartesian product graph

Which of the statements are correct with respect to the above operations?

- ( ) Only statements 1 and 2 are true
- ( ) Only statements 1 and 3 are correct
- ( ) All the above statements are correct
- (●) Statements 1, 2 and 4 are correct

Yes, the answer is correct.
Score: 1
Accepted Answers:
Statements 1, 2 and 4 are correct

5) Which of these following statements are true? ***1 point***

- ( ) Six degrees of separation is the idea that all people on average are six, or fewer, social connections away from each other
- ( ) Six degrees of separation was originally developed by Frigyes Karinthy
- ( ) It is also called six handshakes rule
- (●) All of the above

Yes, the answer is correct.
Score: 1
Accepted Answers:
All of the above

Part 07 (unit?unit=188&lesson=196)
Natural Language Processing - Author Stylometry - Part 08 (unit?unit=188&lesson=197)
Natural Language Processing - Author Stylometry - Part 09 (unit?unit=188&lesson=198)
Natural Language Processing - Author Stylometry - Part 10 (unit?unit=188&lesson=199)
Introduction to Networkx - Part 01 (unit?unit=188&lesson=200)
Introduction to Networkx - Part 02 (unit?unit=188&lesson=201)
Six Degrees of Separation : Meet your favourites (unit?unit=188&lesson=202)
Six Degrees of Separation : Meet your favourites - Part 01 (unit?unit=188&lesson=203)
Six Degrees of Separation : Meet your favourites - Part 02 (unit?unit=188&lesson=204)

6) What does nltk stand for? ***1 point***

- (●) Natural Language toolkit
- ( ) Neutral Language toolkit
- ( ) Natural Linguistic toolkit
- ( ) Neutral Linguistic toolkit

Yes, the answer is correct.
Score: 1
Accepted Answers:
Natural Language toolkit

7) The Barabasi-Albert model is a model that generates _____ networks. ***1 point***

- (●) Scale-free networks
- ( ) Scale networks

Yes, the answer is correct.
Score: 1
Accepted Answers:
Scale-free networks

8) The complete graph with n graph vertices has how many undirected edges? ***1 point***

- (●) n(n-1)/2
- ( ) n-1
- ( ) (n-1)/2
- ( ) n

Yes, the answer is correct.
Score: 1
Accepted Answers:
n(n-1)/2

9) What will the following statement print? ***1 point***

```
print(im.getpixel(coordinate))
```

- ( ) Prints the coordinate of a particular pixel
- (●) Prints the pixel RGB value specified by coordinate variable that contains both x and y value
- ( ) Error message

Yes, the answer is correct.
Score: 1
Accepted Answers:
Prints the pixel RGB value specified by coordinate variable that contains both x and y value

10) What is the output of the following program? ***1 point***

```
var="hello PYTHON"
print(var.casefold())
```

- Six Degrees of Separation : Meet your favourites - Part 03 (unit?unit=188&lesson=205)
- Area Calculation - Don't Measure (unit?unit=188&lesson=206)
- Area Calculation - Don't Measure - Part 01 (unit?unit=188&lesson=207)
- Area Calculation - Don't Measure - Part 02 (unit?unit=188&lesson=208)
- Area Calculation - Don't Measure - Part 03 (unit?unit=188&lesson=209)
- Area Calculation - Don't Measure - Part 04 (unit?unit=188&lesson=210)
- Area Calculation - Don't Measure - Part 05 (unit?unit=188&lesson=211)
- Area Calculation - Don't Measure - Part 06 (unit?unit=188&lesson=212)
- Week 9 Feedback Form: The Joy of Computing using Python (unit?unit=188&lesson=213)
- **Quiz: Week 9 : Assignment 9**

- Hello python
- HELLO PYTHON
- HELLO python
- hello python

Yes, the answer is correct.
Score: 1

Accepted Answers:
hello python

(assessment?name=320)

- Week 9: Programming Assignment 1 - Snakes and Ladders I (/noc21_cs75/progassignment?name=323)
- Week 9: Programming Assignment 2 - Snakes and Ladders II (/noc21_cs75/progassignment?name=324)

Week 10

Week 11

Week 12

Text Transcripts

Download Videos

Live Session

October 10 Programming test - Session 1 (10AM to 11AM)

October 10 Programming test - Session 2 (8PM to 9PM)