Home / My courses / WIiT / Sztuczna Inteligencja/Artificial Intelligence / Stacjonarne / I stopień / Semestr 7 [WIiT-SI-st-I]
 / Semantic web and social networks / Social networks / Test - social networks - metrics

Started on	Monday, 8 January 2024, 3:51 PM
State	Finished
Completed on	Monday, 8 January 2024, 3:57 PM
Time taken	6 mins 25 secs
Grade	**15.00** out of 15.00 (**100**%)

Question **1**

Correct

Mark 3.00 out of 3.00

Nodes that have a high probability of occurring on a randomly chosen shortest path between two nodes are said to have high

○ None

○ Eigenvector centrality

◉ Betweeness centrality ✔

○ Centrality

Your answer is correct.

The correct answer is:
Betweeness centrality

Question **2**

Correct

Mark 3.00 out of 3.00

Eigenvector centrality is

- ○ none of the above
- ◉ used to approximate the relative importance of a node with respect to the overall connectivity of the network ✔
- ○ all of the above
- ○ A centrality of the given central nodes

Your answer is correct.

The correct answer is:
used to approximate the relative importance of a node with respect to the overall connectivity of the network

Question **3**

Correct

Mark 3.00 out of 3.00

Reciprocity can be computed using

- ◉ Adjacency Matrix ✔
- ○ only undirected graphs
- ○ Eigen Vector
- ○ Simple Matrix

Your answer is correct.

The correct answer is:
Adjacency Matrix

Question **4**

Correct

Mark 3.00 out of 3.00

What are the different measures of centrality?

☑ Closeness centrality ✔

☑ Eigen vector centrality ✔

☑ Degree centrality ✔

Your answer is correct.

The correct answers are:
Closeness centrality,

Eigen vector centrality,

Degree centrality

Question **5**

Correct

Mark 3.00 out of 3.00

When degree of a node is used as a measure of popularity or influence of a node this measure is referred to as degree centrality.

Select one:

◉ True ✔

◯ False

The correct answer is 'True'.