

1. A

Nodes in the citation network represent research articles and margins

A link from node A to node B indicates that work A cites work B.

This kind of directed information makes the citation network a directed network
Communication network.

2 B

Nodes in the co-authorship network represent authors and edges

For example, between node A and node B is author A and author

B is collaborating on some research. These symmetric properties

Information makes the co-author network an undirected network.

3.C

The full format of CSV is comma separated values.

4.B

The reading of networkx 's weighted edgelist() function can be used directly for reading

However, a network dataset with weights assigned to edges

This function can be used to read weights only if they are numeric. B.5, 3.5

etc., and not some other format like a string.

5.B

GML stands for Graph Modeling Language and is different from GraphML.

format. You can also store node and edge attributes in both.

format. Therefore, options A, C, and D are not correct.

However, unlike XML, GML does not store data in the form of tags.

Since it's GraphML, option B is incorrect, so it's correct.

6.B

Gephi is written in Java.

7.B

The GEXF format was developed by his Gephi staff in 2007.

plan. This new format was created to avoid exchange problems associated with it

Compatible with existing formats for better extensibility and easier storage

Various details about the network.

8 C

Gephi provides functions for network analysis and visualization.

9.D

The nx.read edgelist() function reads a chart record listing each edge

on another line. The nx.read adjlist() function reads a chart with data

Listed in adjacency list format, so the first node in the row is taken

As the source and subsequent nodes of the series, taken as the target of

source node. Data in edgelist format have the same properties, so

That is, the first node should be the source node and the subsequent nodes.

The source node (that is, the only node) should be taken as the data destination.

It can be read by both functions in the specified format. As nx.read edgelist()

and nx.read adjlist().

10 C

GEXF stands for Graph Exchange XML Format.