Intersecting Community Structure (Ingredients Network)

Degradation of Synonymity (Synonym Network)

Googles Search optimisation (Web Graph)

Link Prediction -> What could be the nest node ?

Friendship Network

Road Network

Email Network

Citation Network

Collaboration /Co-authorship Network

**CSV: Comma Separated Values**

Extension: \*.txt or \*.csv

**Edgelist** : Hhere every row contains two values first value is the source node and the second value is the target node. So, this indicates the row indicates that is going to be an edge from 0 to 344, 0 to 345, 0 to 346

**Adjacency List (Adjlist) :** Edgelist type here every row contains two values first value is the source node and the second value is the target node. So, this indicates the row indicates that is going to be an edge from 0 to 344, 0 to 345, 0 to 346

**GML – Graph Modelling Network**

**Pajek Net – Uses .net extensions**

**GraphML – Uses .graphml extension Ml stands for XML**

**GEXF – Graph Exchange XML format.**

[Graph measurements: length, distance, diameter, eccentricity, radius, center - GeeksforGeeks](https://www.geeksforgeeks.org/graph-measurements-length-distance-diameter-eccentricity-radius-center/)

Find the diameter for the given graph G in Figure 1 **ANS 4**

Both node and edge

**GEXF** – Graph Exchange XML format.

**Choose the data set format which starts with the keyword “graph”?**

 GML

User

**Which of the following networks is a directed graph?**

collaboration network

Compute density of the given graph. 1/3