Local Clustering Coefficient

Compute the local clustering coefficient of node C:



C’s friends

Pair of C’s friends = = 6

Pair of C’s friends who are friends = 2

Local Clustering Coefficient = 2/6 = 1/3

Global Clustering Coefficient

Measuring clustering on the whole network:

1) Percentage of “open triads” that are triangles in a network.

Logo

Description automatically generated

2) Average clustering coefficients

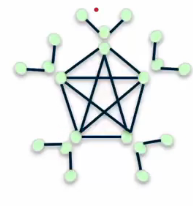
Transitivity vs. Average Clustering Coefficients

Both measure the tendency for edges to form triangles.

Transitivity weights nodes with large degree higher.

A picture containing diagram

Description automatically generated

 Graphical user interface, text, application

Description automatically generated