Name	Description
Number of Nodes	The number of nodes in the neighborhoods
Degree	The number of edges the vertex has
Betweenness	The number of shortest paths that pass through the
	vertex
Closeness	The reciprocal of the sum of the length of the shortest
	paths between the node and all other nodes
Eigencentrality	It measures the influence of a node has in the net-
	work. If a node is linked by many nodes with high
	eigenvector centrality, then that node itself will have
	high eigenvector centrality.
The reciprocal of eccen-	The reciprocal of the longest shortest paths from the
tricity	vertex to other ones.
Subgraph centrality	It measures the number of subgraphs a vertex par-
	ticipates in, weighting them according to their size.
Load centrality	The fraction of all shortest paths that pass through
G:1 G 1 · · · ·	that node.
Gil-Schmidt power cen-	It takes a value of 1 when the vertex is adjacent to all
trality index	reachable vertices, and approaches 0 as the distance
Information centrality	from the vertex to each vertex approaches infinity.  It measures the harmonic mean length of paths end-
scores centrality	ing at the vertex, which is smaller if the vertex has
scores	many short paths connecting it to other vertices.
Stress centrality	If the vertex has a high stress centrality, it is tra-
Stress centrality	versed by a high number of shortest paths.
The reciprocal of average	The reciprocal of the average of the shortest paths.
distance	The reciprocal of the average of the photost paths
Barycenter centrality	The reciprocal of the total distance from the vertex
	to all other vertices
Variant closeness central-	The sum of inversed distances to all other nodes
ity	
Residual closeness central-	The minimum of the closeness centrality of the vertex
ity	when one vertex is deleted.
Communicability be-	If a vertex $v$ has a low communicability betweenness
tweenness centrality	centrality, there are few shortest paths pass through
	v among the pairs of vertices.
Cross-clique connectivity	The number of cliques to which belongs.
Decay centrality	The sum of distances between a chosen vertex and
D.G. : D	every other vertex weighted by the decay
Diffusion Degree	The cumulative contribution score of the node itself
Coodosis 2 math annually	and its neighbors in a diffusion process.
Geodesic 3-path centrality	The number of neighbors on a geodesic path less than
Lanlagian gentrality	3 away.  The drop in the sum of squares of the eigenvalues in
Laplacian centrality	
Lavorago contrality	the Laplacian matrix when the vertex is removed.  It measures the relationship between the degree of a
Leverage centrality	given vertex and the degree of each of its neighbors,
	averaged over all neighbors.
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Lin centrality	It is a weighting closeness for graphs with infinite dis-
	tances using the square of the number of coreachable
	nodes.
Lobby centrality	The largest integer $k$ such that x has at least $k$ neigh-
	bors with a degree of at least $k$ .
Markov centrality	It uses the mean first-passage time from every vertex
	to every other vertex to produce a centrality score for
	each vertex.
Maximum neighborhood	The size of the maximum connected component of
component	the neighborhood. The neighborhood here is the set
	of nodes adjacent to the vertex and does not contain
	this vertex.
Radiality centrality	High radiality indicates that the vertex is generally
	closer to the other nodes with respect to the diame-
	ter. Low radiality means that the vertex is periph-
	eral.
Semi local centrality	The sum of the number of the nearest and the next
	nearest neighbors of the vertices who are the nearest
	neighbors of the given vertex.
The reciprocal of the topo-	The topological coefficient measures the extent to
logical coefficient	which a vertex shares neighbors with other vertices
	in an undirected graph.