Cambridge University Press & Assessment 978-1-009-48418-3 — Designing Empirical Social Networks Research Jennifer M. Larson Index <u>More Information</u>

Index

adjacency list, 16 adjacency matrix, 17, 18, 20, 40 alter 81 anonymity, 102 assortativity, 48-49, 52, 132 betweenness centrality, 34-37, 43, 72, 81, 116, 129, 142 bias, 79, 86, 88, 94 boundary, 73-75, 92, 124 bridge, 28, 35, 37, 41, 68 local bridge, 29 brokerage, 43 centrality, 69 centrality measures, 30-32, 37, 78, 108 cliques, 87, 150 closeness centrality, 33-34, 37, 41, 68, 78, 81, 108, 115, 127, 135 clustering, 38-41, 68, 69, 79, 81, 92, 130, 139-142 complete network, 29 component, 26-28, 43, 58, 66, 69, 74, 86-88, 127-129, 142 connected, 27, 74, 128 cycle, 29 de-identification, 102 degree, 30-31, 40, 41, 85, 115, 125, 142 degree centrality, 37, 41, 96, 115 degree distribution, 126 diameter, 24-26, 41, 128, 142 directed diameter, 26 diffusion, 55, 99, 111, 143, 144 directed network, 19-22, 25, 31-32, 41, 48, 74, 79, 81, 110, 121-124, 127 distance, 24-25, 127-128, 133-135, 137, 142 dyad, 43 edgelist, 16, 18, 19, 113-114, 117, 121 ego, 81 ego networks, 78, 79, 81, 95, 102 eigenvector centrality, 37, 79, 81, 108, 116, 129, 142

Erdös-Rényi, 137-139 fragmentation, 4, 27-28, 58, 72, 74, 87-88, 128 geodesic, 24 graph, 15 homophily, 43-49, 95, 131-132 in-degree, 31-32, 74, 125-126 in-group favoritism, 44-47 network in-group favoritism, 46-47 indirect connections, 18, 22, 32 isolate, 28, 58, 122, 125, 127 link function, 55, 60-64, 82, 93-95 link type, 55-60 list method, 91-92 loops, 18, 45, 132 multi-layer, 63-64, 94, 111 name generator, 91-92, 96, 102 name interpreter, 95, 96, 103 neighborhood, 30-31, 77-79, 81 node attributes, 29, 42-43, 95, 131-132 node list, 16, 18, 20, 116, 119-121 out-degree, 31, 74, 77-79, 81, 96, 105, 108, 125-126 path, 23-26, 41, 127-129, 142 path length, 24, 41 pretesting, 91, 93-94, 97, 98 proxies, 101 random network, 137-139 reciprocity, 21, 22, 81, 97, 110, 112, 122 ring, 29 sampling, 75-81 shortest path, 24-25, 27, 127, 142 singleton, 28, 124

168

Cambridge University Press & Assessment 978-1-009-48418-3 — Designing Empirical Social Networks Research Jennifer M. Larson Index <u>More Information</u>

Index

169

star, 29 structural holes, 39 subnetwork, 52 tree, 29

visualization, 15, 19, 114, 142

tie strength, 51–52, 95, 97, 112 topology, 22 total degree, 31–32, 125 transitivity, 38–40, 79, 130, 139–141 walk, 22 weights, 50–51, 112, 132–137 weighted degree, 133 weighted path, 51, 135