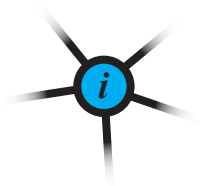
degree

d_i

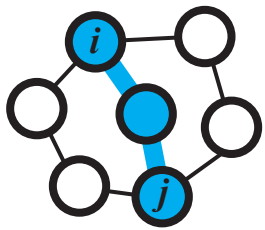
 # nodes bound to node i



shortest path distance

$d_{ij} = min\{|e_p| \subset E_{ij}\}$

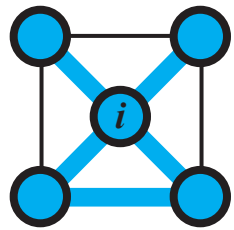
E_{ij}: *all edge sets connecting i & j*



clustering coefficient

$c_i \Big/ \binom{n_i}{2}$

c_i *edges connecting all* n_i *nodes bound to i*

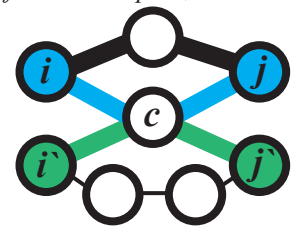


betweenness centrality

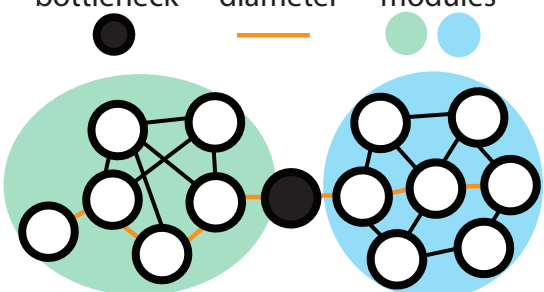
$b_c = \sum_i \sum_j I_{ij} / s_{ij}$

s_{ij}: *tot # of shortest paths btwn i & j*

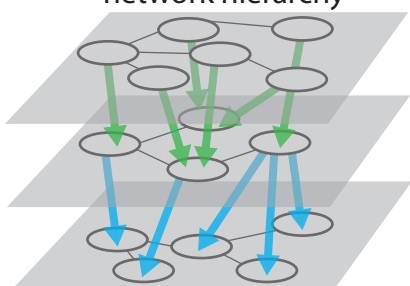
I_{ij}: *1 if c is within path; 0 otherwise*



bottleneck diameter modules



network hierarchy



bipartite