



## multiple edges self-edges

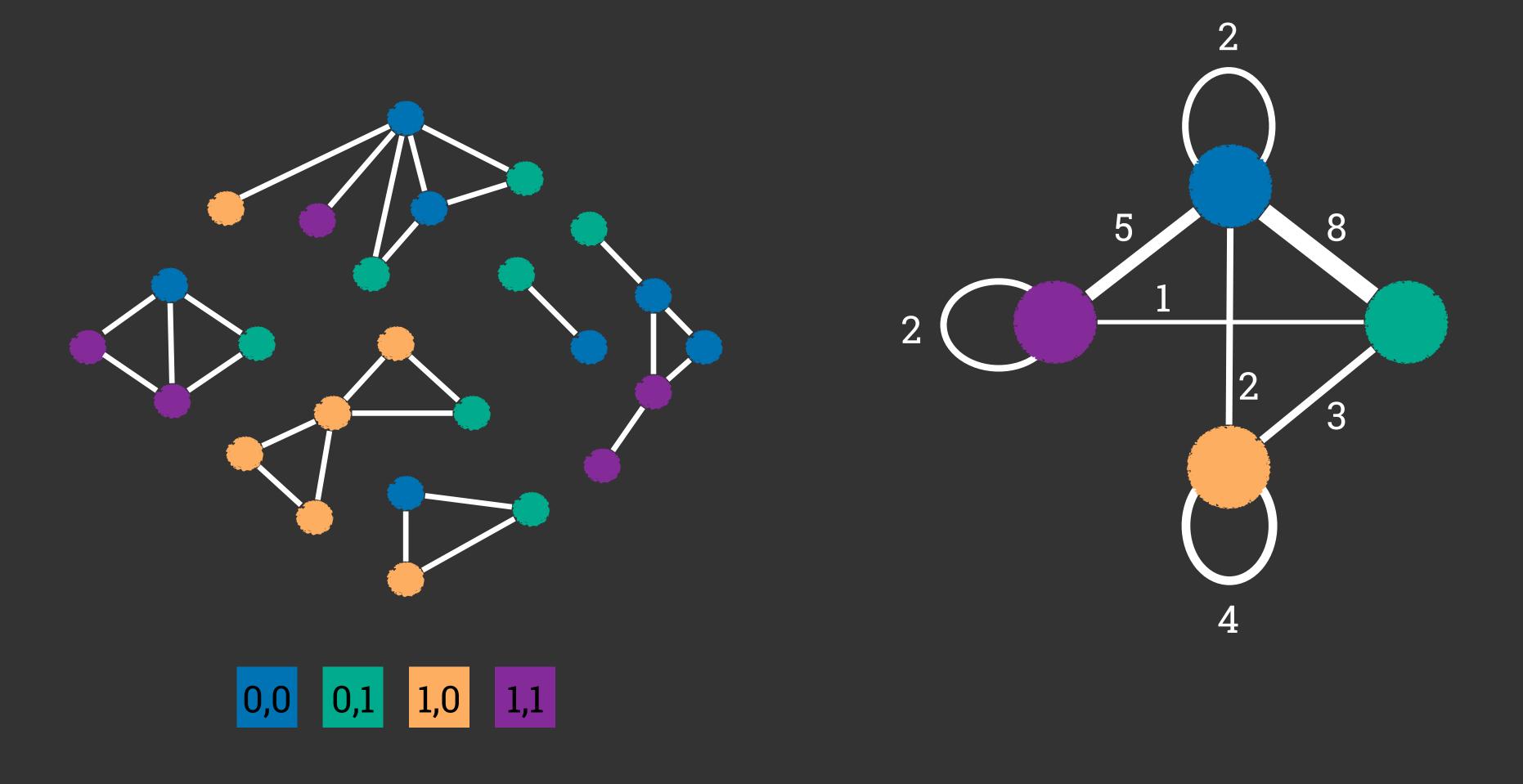








## multigraph representation of network data



graphs where multiple edges and self-edges are permitted



## multigraph representation of network data