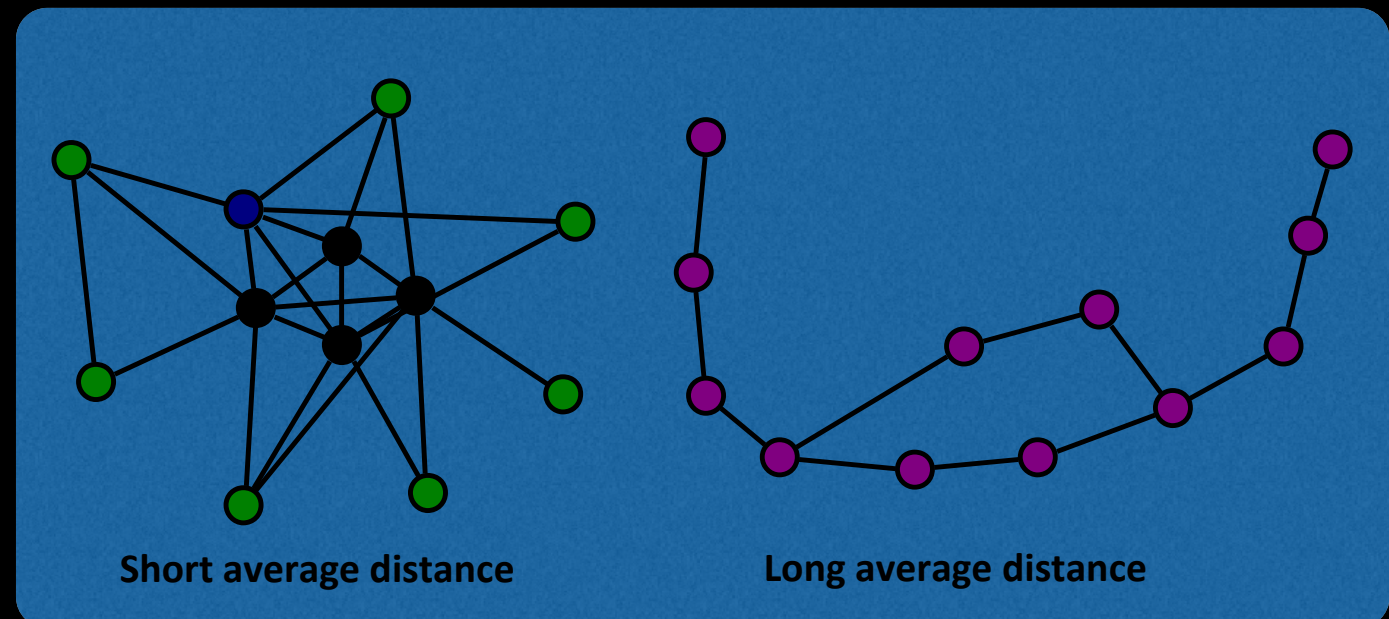
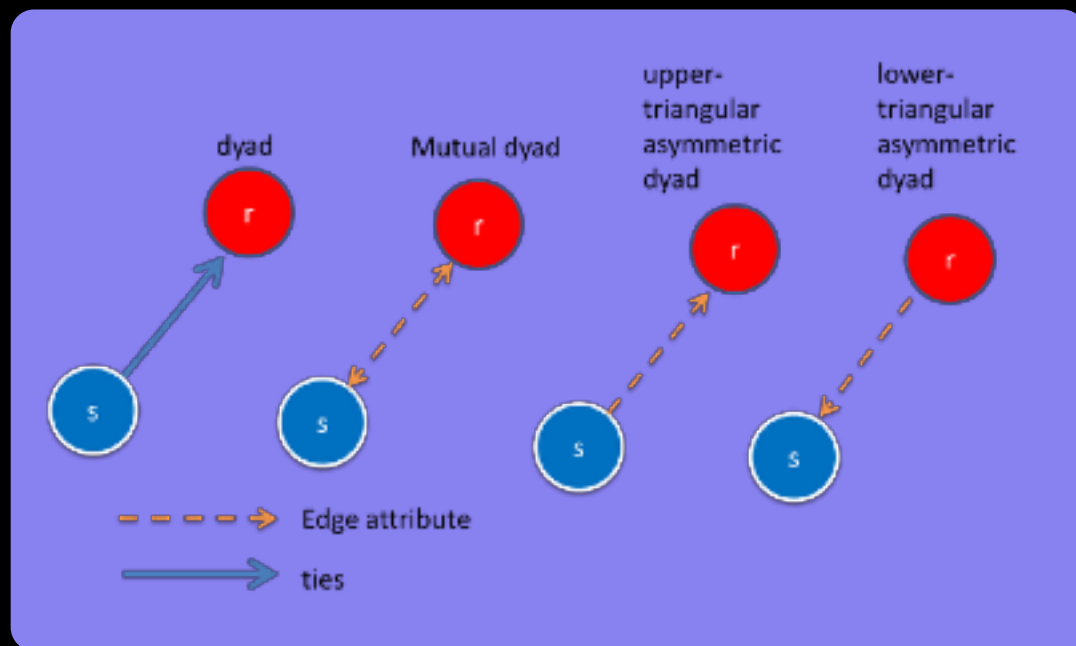
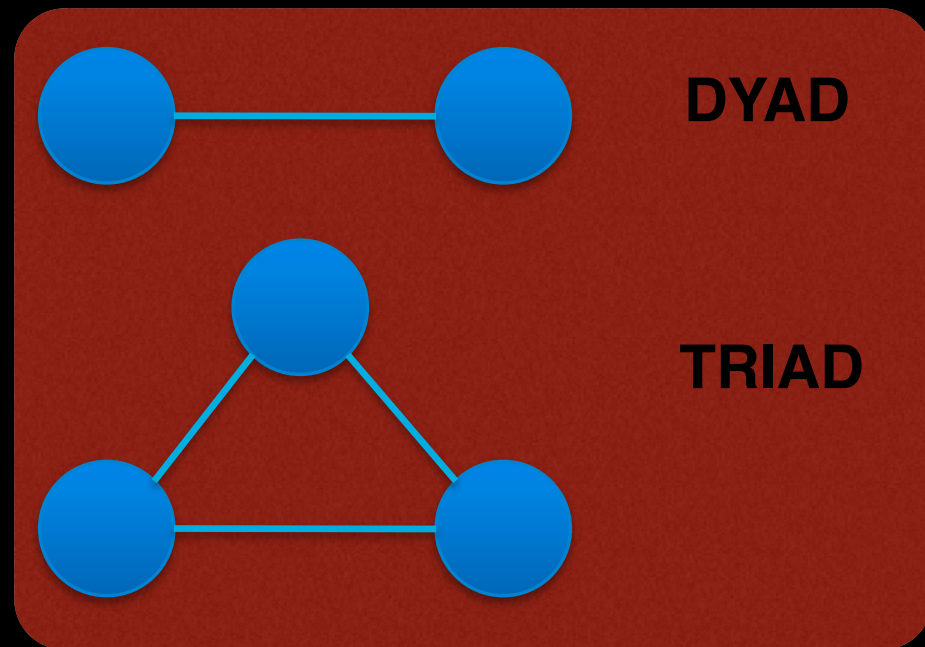


# DISTANCE AND SIX-DEGREES OF SEPARATION

- The (geodesic) **distance** between any two objects or people in a network is formally defined as “the length of the shortest path via the edges or binary connections” between them.
- The **first-order zone** of a network refers to direct relationships; with social networks, the term more often used is “interpersonal environment.”
- One step removed from these direct connections is the **second-order zone**, and so on.



# DYADS



- **Dyads** are connections between two objects (or people)
  - Most are anti-symmetric (or asymmetric).
  - Boy likes girl, for example, but the feeling is not reciprocated.
- **Relationships** between dyads can be
  - **Undirected** (two people in the same room).
  - **Directed** (two people in the same room, one of whom likes the other).
  - **Mutual** (two people in the same room who like each other).

