

## Some additional notes

- Diameter – length of longest shortest path in the network
- What to do with unconnected pairs?
  - Technically if reach = 0, distance =  $\infty$ 
    - Could be measurement error
    - There's a reason you included them in the network, so infinity doesn't make theoretical sense
    - Moreover, mathematical manipulations w/ $\infty$  are frequently intractable
  - What to use?
    - Network-size based:
      - N-1 maximum theoretical distance (**most common**)
      - N max distance +1 (avoids distance for disconnected pairs = connected)
    - Diameter + 1
      - Unreachable pairs one step farther apart than most distant ones