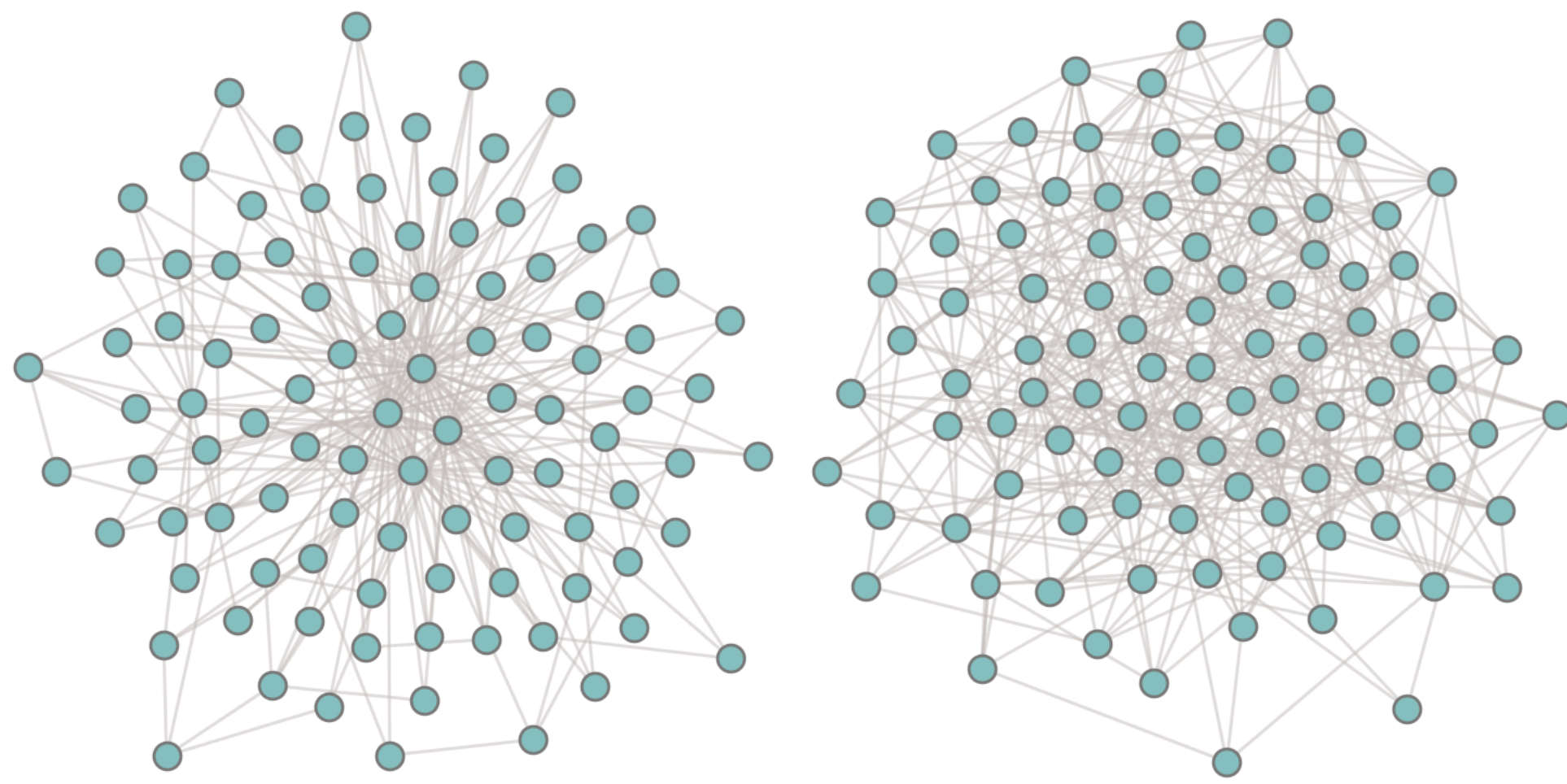
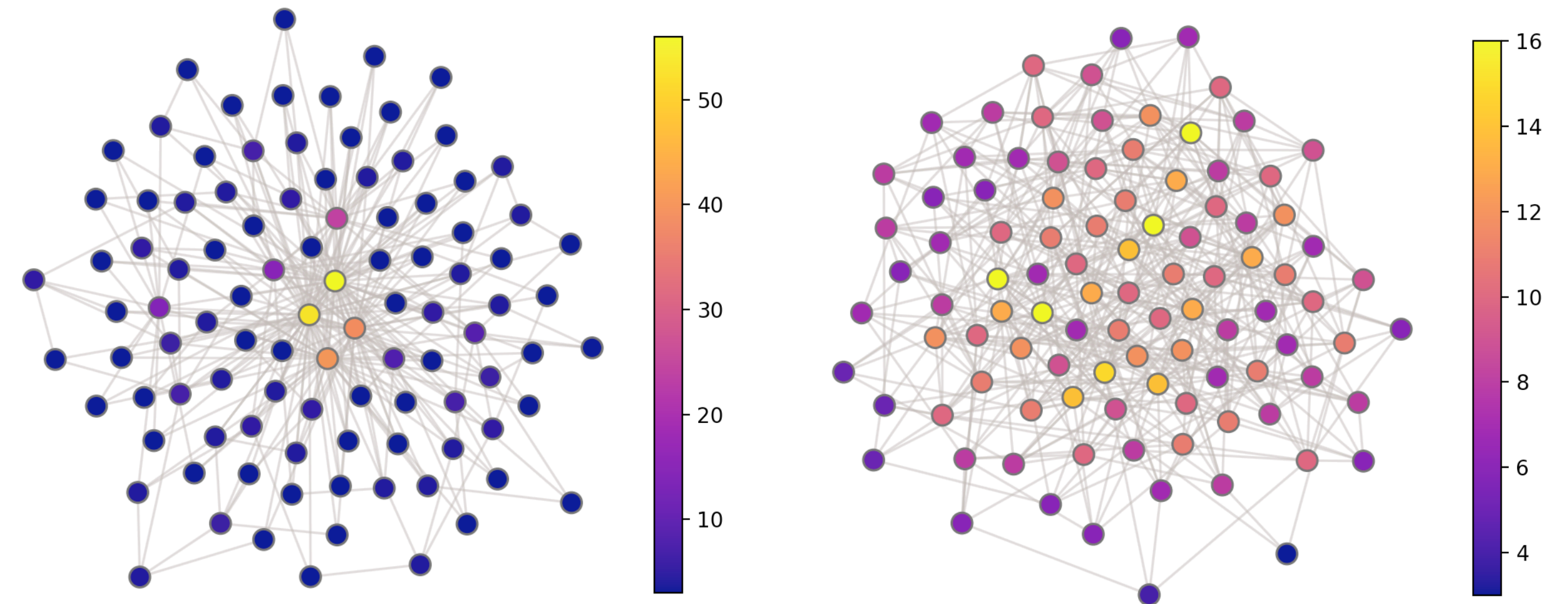


# Unique Characteristics in a Target Network Relative to a Background Network

- Unique characteristics are represented as relationships (e.g., the network structural differences among network nodes) that appear in a target network but do not appear in a background network
- Example
  - target: a scale-free network, background: a random network
    - the unique patterns related to node degrees; a target has "hubs"



**target: scale-free    background: random**



**target: scale-free  
(colored by node degree)**

**background: random  
(colored by node degree)**