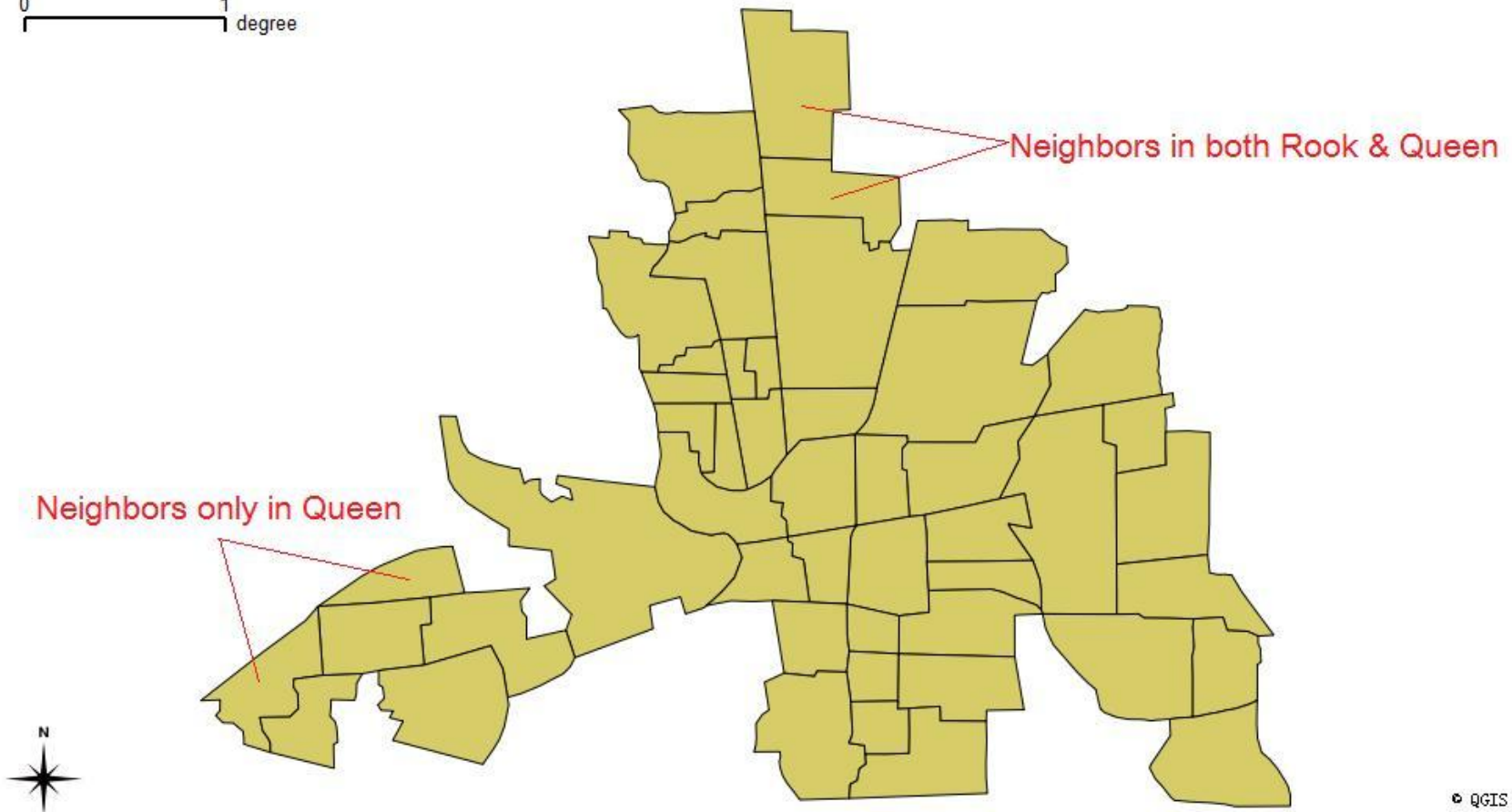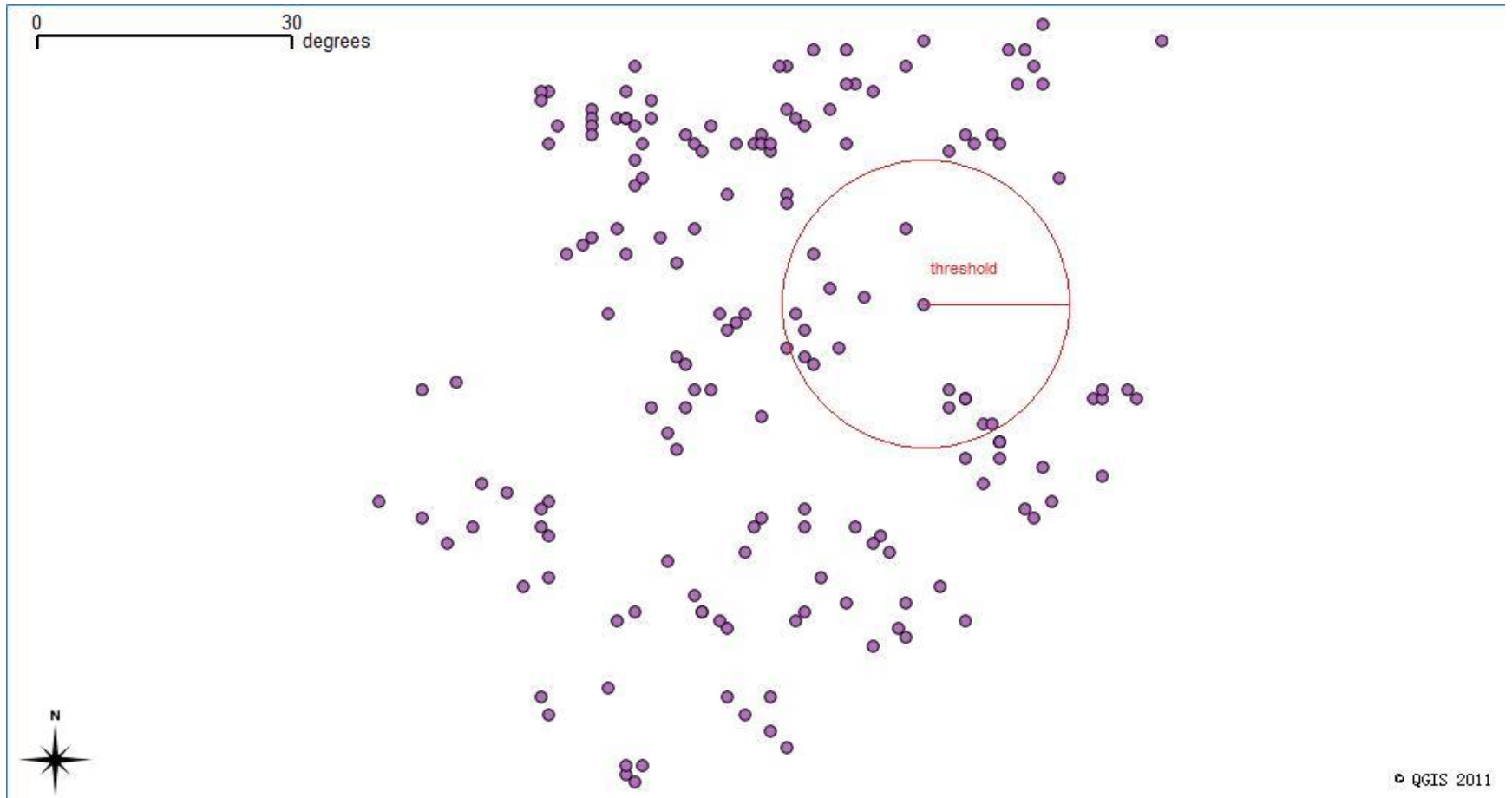# Spatial Weight Matrix

- Capture the adjacency/neighboring relationship between pairs of geometry

- Categorization
  - Contiguity: share boundary lines/corner points
    - Rook, Queen, …
  - Distance: geodesic distance
    - Threshold Distance, K Nearest Neighbors, Inverse Distance, …

Rook/Queen

Threshold Distance

K Nearest Neighbors

- The first K nearest elements as neighbors
- Leave out all the rest