Grading Rubrics ML Spatial Cluster Analysis

Name:

Points   out of 15

Grading Rubriks:

- Feature selection (2 points)
    - Selection features into logical groups with justification
    - Feature processing to rates if needed
    - Redundancy among features
    - Scaling
- Spatial Relationships (1 points)
    - Transformation into distance metric
    - Arguments for selection of either topological, spherical and shortest path
- Justification of number of classes (1.5 points)
    - Minimum number of counties per cluster
    - Potential exclusion of outlying counties
- Justification of mixing parameter alpha with respect to heterogeneity (1.5 points)
- Visualization of dendrogram and interpretation (1 point)
- Visualization of regionalization (1 point)
- Interpretation of cluster with respect to feature composition (3 points)
    - Box plots
- Conclusions (2 point)
- Professional presentation of the report (2 point)