|  |
| --- |
| **1) Survival Analysis**1. Joint Model
2. Multi-state Model
3. Competing Risks Model
4. Cure Model

**2) Data Mining & Big data**1. Decision Tree
2. Machine Learning
3. Neural Network
4. Deep Learning

**3) Longitudinal Data Analysis**1. Generalized Linear Mixed Models
2. Generalized Estimating Equations
3. Latent Transition Model
4. Growth Model

**4) Spatial analysis**1. Spatio-Temporal Model
2. Spatial autoregressive processes and point processes
3. Geocomputational methods
4. Neural networks and fuzzy logic

**5) Multivariate Data Analysis**1. Structural Equation Modelling (SEM)
2. Clustering
3. Reliability Analysis
4. Discriminant Analysis
 |