1. The data used to study the movement patterns of northern bottlenose whales using the LIR model are stored in the ‘Bot\_LIR\_data.csv’ file in matrix form. Row represents the identity of an animal in the study area, and column represents the observation time. “0”for the individual when it is not identified, and“1”when it is identified.
2. The data used to study the social structure of northern bottlenose whales using the LIR model are stored in the ‘Bot\_LAR\_data.csv’ file in matrix form. Row represents the identity of an animal in the study area, and column represents the observation time. “0”for the individual when it is not identified, and a positive integer g for the individual when it is identified in group g.
3. The number of individuals identified in each sampling period (n) and the set of observation times (tp) are stored in the ‘tp\_n.csv’ file in the form of data frames. The first column is the index.