**REM dataset structure and content (for input to Eventnet 0.5.2)**

*Structure* (dataframe column headings)

Main:

1. SOURCE –ID of individual that directed given behaviour/event towards the TARGET.
2. TARGET –ID of individual that was the receiver during its interaction with the SOURCE
3. TIME – Time of the start of an event in seconds from the beginning of the experiment (00:00:00 01/04/2019)
4. TYPE– Event type (see below)
5. WEIGHT– Duration of event in seconds

Additional columns (that were re-added/backfilled following Eventnet processing):

1. lock\_bool – did an event occur within a lockout period?
2. high\_bool – are the doors to the high-quality reward open?
3. low\_bool – are the doors to the low-quality reward open?

*Content*

Covariates:

1. PARTNER (are the members of the current dyad breeding partners?)
2. SIBLING
3. PARENT-OFFSPRING
4. IS\_GROUP\_A – was an individual in treatment group A?
5. SEX – 0 if female, 1 if male, 2 if unknown
6. at\_risk – was individual able to participate in association events (i.e., had been assigned a treatment class)?
7. IS\_ADULT – was an individual an adult (1) or a juvenile (0)?

Event Types (entries under heading ‘TYPE’):

1. "SOLO\_NO\_COOP" - solo event that does not directly lead to, or follow, an association event
2. "REPLACEMENT" – one individual is immediately replaced by the other (within approx. 2 seconds) on the same antenna.
3. "SCROUNGE" - solo event whilst HIGH doors open by an individual that was not part of the dyad that successfully associated.
4. "PRE\_COOP" - solo event that leads into an association event (duration of time that the first-arriving member of a dyad sits on the feeder before the association event begins);
5. "POST\_COOP" - solo event that immediately follows an association event (duration of time that the last-leaving member of a dyad sits on the feeder after the association event has ended);
6. "COOP\_SUCCESS" – association event between members of the same treatment group (successful association event)
7. "COOP\_FAIL" - association event between members of different treatment groups (unsuccessful association event)