- **Natural_breeding_exp: results from natural breeding experiments**

(1) Plot_id: id for the experimental plot we conducted the experiment.

(2) Elevation: elevation for the location we conducted the experiment.

(3) Year, Month, Date, Julian_day: date and Julian day for the start of the experiment.

(4) Presence_NN: Whether *N. nepalensis* appeared on the carcass (1) or not (0) in the experiment.

(5) P_day_NN: The arrival day of *N. nepalensis* on the carcass.

(6) Buried_by_NN: Whether *N. nepalensis* successfully buried (1) or not (0) the carcass.

(7) B_day_NN: The day *N. nepalensis* successfully buried the carcass.

(8) Success_NN: Whether *N. nepalensis* successfully bred (1) or not (0).

(9) Fly_abundance: Abundance of blowflies on the carcass.

(10) P_day_fly: The arrival day of blowflies on the carcass.

(11) end_bloated_stage_obs: The observed day of the end of the bloated stage for the carcass.

(12) end_bloated_stage_exp: The day of the end of the bloated stage for the carcass estimated from monthly average of the experiments from the same plot in the same month.

(13) Presence_NC: Whether *N. concolor* appeared on the carcass (1) or not (0) in the experiment.

(14) Success_NC: Whether *N. concolor* successfully bred (1) or not (0).

(15) P_day_NC: The arrival day of *N. concolor* on the carcass.

(16) Presence_mammal: Whether mammals attacked our experiment (1) or not (0).

(17) Type_of_mammal: The type of mammal found attacked our experiment.

(18) Tmax: Maximum daily temperature.

(19) Tmin: Minimum daily temperature.

(20) Tmean: Mean daily temperature.

(21) DTR: daily temperature range.

- **Population density: results from surveys for population density.**

(1) Plot_id: id for the experimental plot we conducted the survey.

(2) Elevation: elevation for the location we conducted the survey.

(3) Year, Month, Date, Julian_day: date and Julian day for the start of the experiment.

(4) Number_of_NN: Number of *N. nepalensis* (the estimation for population density) caught in the survey.

(5) Tmax: Maximum daily temperature.

(6) Tmin: Minimum daily temperature.

(7) Tmean: Mean daily temperature.

(8) DTR: daily temperature range.

- **Transplant_exp: results from transplant experiments.**

(1) Plot_id: id for the experimental plot we conducted the experiment.

(2) Elevation: elevation for the location we conducted the experiment.

(3) Year, Month, Date, Julian_day: date and Julian day for the start of the experiment.

(4) Buried_by_NN: Whether *N. nepalensis* successfully buried (1) or not (0) the carcass.

(5) Success_NN: Whether *N. nepalensis* successfully bred (1) or not (0).

(6) Tmax: Maximum daily temperature.

(7) Tmin: Minimum daily temperature.

(8) Tmean: Mean daily temperature.

(9) DTR: daily temperature range.

■ Transplant_natural_comparison: results from transplant experiments and the associated controls.

(1) Treatment: Type of treatments.

(2) treatmentID: the transplant and control experiments conducted in the same plot at the same time period are given the same treatmentID.

(3) Exp_Range: which range limits (upper or lower) we conducted the experiment.

(4) Plot_id: id for the experimental plot we conducted the experiment.

(5) Elevation: elevation for the location we conducted the experiment.

(6) Year, Month, Date, Julian_day: date and Julian day for the start of the experiment.

(7) Success_NN: Whether *N. nepalensis* successfully bred (1) or not (0).

(8) Tmax: Maximum daily temperature.

(9) Tmin: Minimum daily temperature.

(10) Tmean: Mean daily temperature.

(11) DTR: daily temperature range.

■ Manipulation_lower_limit: results from manipulation experiments at lower range limits.

(1) treatmentID: the manipualtion and control experiments conducted in the same plot at the same time period are given the same treatmentID.

(2) Treatment_combination: type of treatment combination (=Litter*Treatment).

(3) Litter: with litter treatment (L) or not (S).

(4) Treatment: three different treatments (cooling, cooling+odor, and control).

(5) Plot_id: id for the experimental plot we conducted the experiment.

(6) Elevation: elevation for the location we conducted the experiment.

(7) Year, Month, Date, Julian_day: date and Julian day for the start of the experiment.

(8) Presence_NN: Whether *N. nepalensis* appeared on the carcass (1) or not (0) in the experiment.

(9) P_day_NN: The arrival day of *N. nepalensis* on the carcass

(10) Buried_by_NN: Whether *N. nepalensis* successfully buried (1) or not (0) the carcass.

(11) Success_NN: Whether *N. nepalensis* successfully bred (1) or not (0).

(12) Fly_abundance: Abundance of blowflies on the carcass.

(13) P_day_fly: The arrival day of blowflies on the carcass.

(14) end_bloated_stage_obs: The observed day of the end of the bloated stage for the carcass.

(15) Tmax: Maximum daily temperature.

(16) Tmin: Minimum daily temperature.

(17) Tmean: Mean daily temperature.

(18) DTR: daily temperature range.

■ Manipulation_upper_limit: results from manipulation experiments at upper range limits.

(1) treatmentID: the manipualtion and control experiments conducted in the same plot at the same time period are given the same treatmentID.

(2) Treatment_combination: type of treatment combination (=Litter*Treatment).

(3) Litter: with litter treatment (L) or not (S).

(4) Treatment: three different treatments (odor, heating, and control).

(5) Plot_id: id for the experimental plot we conducted the experiment.

(6) Elevation: elevation for the location we conducted the experiment.

(7) Year, Month, Date, Julian_day: date and Julian day for the start of the experiment.

(8) Presence_NN: Whether *N. nepalensis* appeared on the carcass (1) or not (0) in the experiment.

(9) P_day_NN: The arrival day of *N. nepalensis* on the carcass.

(10) Buried_by_NN: Whether *N. nepalensis* successfully buried (1) or not (0) the carcass.

(11) Success_NN: Whether *N. nepalensis* successfully bred (1) or not (0).

(12) Fly_abundance: Abundance of blowflies on the carcass.

(13) P_day_fly: The arrival day of blowflies on the carcass.

(14) end_bloated_stage_obs: The observed day of the end of the bloated stage for the carcass.

(15) Tmax: Maximum daily temperature.

(16) Tmin: Minimum daily temperature.

(17) Tmean: Mean daily temperature.

(18) DTR: daily temperature range.