

Linton, D.M. & Macdonald, D.W. (2018) Spring weather conditions influence breeding phenology and reproductive success in sympatric bat populations. *Journal of Animal Ecology*.

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**DATA ARCHIVE:** Linton\_DM\_Macdonald\_DW\_J\_Animal\_Ecology.zip

**FILE LIST:** (files found within Linton\_DM\_Macdonald\_DW\_J\_Animal\_Ecology.zip)

```
> Linton_DM_Macdonald_DW_Data_Archive_RCODE.R
> MDJCOH.txt
> MNJCOH.txt
> FIG1_MSFC.txt
> FIG2_BrPHEN.txt
> MODEL_Ia_BRVP1.txt
> MODEL_Ib_BRVL1.txt
> MODEL_II_BRVLA.txt
> MODEL_III_BRVLY.txt
```

#### **FILE DESCRIPTIONS:**

Linton\_DM\_Macdonald\_DW\_Data\_Archive\_RCODE.R – Provides R code for use of .txt data files (see below) to replicate models and reproduce Figure 3.

MDJCOH.txt – data file containing proportion of *Myotis daubentonii* (SPP = MD) Female Successful Breeders (FSB) and Juvenile Cohort size (JCOH) per annum (2010 – 2017).

MNJCOH.txt – data file containing proportion of *Myotis nattereri* (SPP = MN) Female Successful Breeders (FSB) and Juvenile Cohort size (JCOH) per annum (2010 – 2017).

FIG1\_MSFC.txt – data file containing monthly Mean no. Hours per Night (MHRN) and monthly mean no. hours per night with Suitable Foraging Conditions (SFC)  $\pm$  SD (see Figure 1).

FIG2\_BrPHEN.txt – data file containing mean estimated Parturition Date (PD), date of first Full-Grown Juvenile (FGJ), and April index of Suitable Foraging Conditions (ASFC) (see Figure 2), and mean 24-hour Temperature ( $^{\circ}$ C) in April (MT24) (see Supplementary Table S8).

MODEL\_Ia\_BRVP1.txt – data file for Model Ia: (Binary Response Variable) Pregnancy in first-year females (BRVP1) (see Table 1 and Supplementary Table S2).

MODEL\_Ib\_BRVL1.txt – data file for Model Ib: (Binary Response Variable) Lactation in first-year females (BRVL1) (see Table 1 and Supplementary Table S3).

MODEL\_II\_BRVLA.txt – data file for Model II: (Binary Response Variable) Lactation in relation to Age Class (BRVLA) (see Table 1 and Supplementary Table S4).

MODEL\_III\_BRVLY.txt – data file for Model III: (Binary Response Variable) Lactation in relation to Inter-annual variation (2010 - 2017) (see Table 1 and Supplementary Table S6).