**Description of data used in analysis**

**Dataset: Ambush\_Dat.csv**

Columns:

* ambushID: an ID assigned to each ambushing attempt identified
* wolf: ID of wolf that was ambushing beavers
* trailLength: length (m) of feeding trail that wolf was waiting-in-ambush at
* season: season of ambush attempt (spring=April 16-June 20, summer=June 21-September 23, Fall=September 24-November 15)
* ambushDat: date of the ambushing attempt

**Dataset: BeaverActivity\_Data.csv**

Columns:

* beavCaptID: unique ID assigned to each beaver photo event
* camDeployID: an ID indicating the camera deployment that the photo event was associated with
* lodgeNumber: the ID of the beaver colony that the photo event was at
* Season: season during photo event (spring=April 16-June 20, summer=June 21-September 23, Fall=September 24-November 15)
* inOutWater: indicates whether beaver was observed exiting and then re-entering the water in the photo event.
* timeOnLand: number of minutes the beaver was on land during that photo event.

**Dataset: BeaverCam\_DeployData.csv**

Columns:

* camDeployID: unique ID assigned to each camera when it was deployed
* Date Deployed: date camera was deployed
* Date Retrieved: date camera was retrieved
* daysDeployed: number of days camera was deployed
* season: season camera was deployed in (spring=April 16-June 20, summer=June 21-September 23, Fall=September 24-November 15)
* lodgeNumber: the ID of the beaver colony that the camera was deployed at
* lodgeType: type of beaver lodge (“pond” for lodge in pond and “lake” for lodge in lake)
* FT\_ID: the ID of the feeding trail that the camera was deployed on
* ftLength: length (m) of feeding trail that camera was deployed on
* picsTaken: number of photos taken by that camera during deployment
* beavCapts: number of unique photo events on that camera featuring beavers
* Comments: any comments on that camera deployment

**Dataset: BeaverKills\_Dat.csv**

Columns:

* killID: unique ID for each beaver kill found
* season: season kill occurred in (spring=April 16-June 20, summer=June 21-September 23, Fall=September 24-November 15)
* wolfID: ID of wolf that killed beaver
* killDate: date beaver was killed
* feedTrailLength: length of feeding trail beaver was killed on.

**Dataset: FeedingTrail\_SurveyData\_Cleaned.csv**

Columns:

* FT\_ID: unique ID assigned to each feeding trail identified
* lodgeNumber: unique ID assigned to each beaver lodge
* year: year trail was identified
* trailLength: length of the feeding trail in meters
* season: season trail was identified in (springStatus=April 16-June 20, summerStatus=June 21-September 23, fallStatus=September 24-November 15)

**Dataset: Forest\_colony\_data.csv**

Columns:

* buffer\_distance: distance from water of that ‘buffer’
* total\_area: the total area (km2) of that buffer
* colony\_level\_impact: total area (m2) of buffer around each known colony/pond.

**Dataset: TypicalTrailData\_clean.csv**

Columns:

* FT\_ID: unique ID assigned to each feeding trail identified
* lodgeNumber: unique ID assigned to each beaver lodge
* lodgeType: type of beaver lodge (“pond” for lodge in pond and “lake” for lodge in lake)
* year: year trail was identified
* seasonIdent: season trail was identified (spring=April 16-June 20, summer=June 21-September 23, Fall=September 24-November 15)
* trailLength: length of the feeding trail in meters

**R session information:**

R version 4.0.5 (2021-03-31)

Platform: x86\_64-apple-darwin17.0 (64-bit)

Running under: macOS Big Sur 10.16

Matrix products: default

LAPACK: /Library/Frameworks/R.framework/Versions/4.0/Resources/lib/libRlapack.dylib

locale:

[1] en\_US.UTF-8/en\_US.UTF-8/en\_US.UTF-8/C/en\_US.UTF-8/en\_US.UTF-8

attached base packages:

[1] stats graphics grDevices utils datasets methods base

other attached packages:

[1] pammtools\_0.5.92 performance\_0.10.4.2 nlme\_3.1-152 ggstance\_0.3.6 ggbeeswarm\_0.7.1 ggeffects\_1.1.4 berryFunctions\_1.20.1

[8] emmeans\_1.7.2 MASS\_7.3-55 ezknitr\_0.6 knitr\_1.37 car\_3.0-12 carData\_3.0-5 lme4\_1.1-27.1

[15] Matrix\_1.3-2 forcats\_0.5.1 stringr\_1.4.0 dplyr\_1.0.8 purrr\_0.3.4 readr\_2.1.2 tidyr\_1.1.3

[22] tibble\_3.1.8 ggplot2\_3.4.0 tidyverse\_1.3.1

loaded via a namespace (and not attached):

[1] fs\_1.5.0 lubridate\_1.8.0 insight\_0.19.3.4 httr\_1.4.2 numDeriv\_2016.8-1.1 tools\_4.0.5 backports\_1.2.1

[8] utf8\_1.2.1 R6\_2.5.0 vipor\_0.4.5 DBI\_1.1.1 lazyeval\_0.2.2 mgcv\_1.8-34 colorspace\_2.0-1

[15] withr\_2.5.0 tidyselect\_1.2.0 compiler\_4.0.5 cli\_3.5.0 rvest\_1.0.0 xml2\_1.3.2 sandwich\_3.0-1

[22] labeling\_0.4.2 scales\_1.2.1 checkmate\_2.0.0 mvtnorm\_1.1-1 pec\_2022.03.06 digest\_0.6.27 minqa\_1.2.4

[29] pkgconfig\_2.0.3 parallelly\_1.33.0 dbplyr\_2.1.1 rlang\_1.0.6 readxl\_1.3.1 rstudioapi\_0.13 generics\_0.1.3

[36] farver\_2.1.0 zoo\_1.8-9 jsonlite\_1.7.2 magrittr\_2.0.1 Formula\_1.2-4 Rcpp\_1.0.8.3 munsell\_0.5.0

[43] fansi\_0.4.2 abind\_1.4-5 lifecycle\_1.0.3 stringi\_1.6.2 multcomp\_1.4-18 yaml\_2.2.1 grid\_4.0.5

[50] parallel\_4.0.5 listenv\_0.9.0 crayon\_1.4.1 lattice\_0.20-41 haven\_2.4.1 splines\_4.0.5 hms\_1.1.0

[57] timereg\_2.0.1 pillar\_1.8.1 boot\_1.3-27 estimability\_1.3 future.apply\_1.10.0 codetools\_0.2-18 reprex\_2.0.0

[64] glue\_1.6.2 modelr\_0.1.8 vctrs\_0.5.1 nloptr\_1.2.2.3 tzdb\_0.3.0 foreach\_1.5.1 cellranger\_1.1.0

[71] gtable\_0.3.0 future\_1.30.0 assertthat\_0.2.1 xfun\_0.29 prodlim\_2019.11.13 xtable\_1.8-4 broom\_0.7.6

[78] survival\_3.2-10 iterators\_1.0.13 tinytex\_0.31 beeswarm\_0.4.0 lava\_1.7.2.1 globals\_0.16.2 TH.data\_1.1-0

[85] ellipsis\_0.3.2