Manuscript title here

## Analysis

## Reproducibility

Reproducibility receipt

## [1] "2021-07-01 13:50:21 CDT"

## [1] "commit 020c600d4066717bd5b109eae5ad384abfd8672f"   
## [2] "Author: jimjunker1 <james.junker1@gmail.com>"   
## [3] "Date: Thu Jul 1 11:42:57 2021 -0500"   
## [4] ""   
## [5] " updated ms and analysis. hopefully no merge conflicts with other MTU computer."  
## [6] ""   
## [7] "M\tR/analyze\_skew.R"   
## [8] "M\tR/analyze\_temp\_stats.R"   
## [9] "M\tR/plot\_skew\_temperature.R"   
## [10] "M\tdoc/ms/ms.Rmd"   
## [11] "M\tdoc/ms/ms.docx"   
## [12] "M\tdoc/ms/refs.bib"   
## [13] "M\tdoc/ms/tables-figures.Rmd"   
## [14] "M\tdoc/ms/tables-figures.docx"   
## [15] "origin\thttps://github.com/jimjunker1/temperature\_energy-flux.git (fetch)"   
## [16] "origin\thttps://github.com/jimjunker1/temperature\_energy-flux.git (push)"

## R version 4.0.3 (2020-10-10)  
## Platform: x86\_64-w64-mingw32/x64 (64-bit)  
## Running under: Windows 10 x64 (build 19042)  
##   
## Matrix products: default  
##   
## locale:  
## [1] LC\_COLLATE=English\_United States.1252   
## [2] LC\_CTYPE=English\_United States.1252   
## [3] LC\_MONETARY=English\_United States.1252  
## [4] LC\_NUMERIC=C   
## [5] LC\_TIME=English\_United States.1252   
##   
## attached base packages:  
## [1] parallel stats4 grid stats graphics grDevices utils   
## [8] datasets methods base   
##   
## other attached packages:  
## [1] junkR\_0.2.0 rsample\_0.1.0 RInSp\_1.2.4   
## [4] hillR\_0.5.1 tidybayes\_2.3.1 brms\_2.15.0   
## [7] Rcpp\_1.0.6 rstan\_2.21.2 StanHeaders\_2.21.0-7   
## [10] rriskDistributions\_2.1.2 cowplot\_1.1.1 magick\_2.7.2   
## [13] ggraph\_2.0.5 igraph\_1.2.6 ggpubr\_0.4.0   
## [16] ggeffects\_1.1.0 ggthemes\_4.2.4 bbmle\_1.0.23.1   
## [19] broom\_0.7.6 viridis\_0.6.1 viridisLite\_0.4.0   
## [22] fluxweb\_0.2.0 ggridges\_0.5.3 gridExtra\_2.3   
## [25] TTR\_0.24.2 httr\_1.4.2 lubridate\_1.7.10   
## [28] chron\_2.3-56 tictoc\_1.0.1 rmarkdown\_2.8   
## [31] dflow\_0.0.0.9000 moments\_0.14 fnmate\_0.0.5   
## [34] furrr\_0.2.2 future\_1.21.0 forcats\_0.5.1   
## [37] stringr\_1.4.0 dplyr\_1.0.5 purrr\_0.3.4   
## [40] readr\_1.4.0 tidyr\_1.1.3 tibble\_3.1.1   
## [43] ggplot2\_3.3.3 tidyverse\_1.3.1 plyr\_1.8.6   
## [46] RCurl\_1.98-1.3 gtools\_3.8.2 data.table\_1.14.0   
## [49] drake\_7.13.2 dotenv\_1.0.3 conflicted\_1.0.4   
## [52] pacman\_0.5.1   
##   
## loaded via a namespace (and not attached):  
## [1] msm\_1.6.8 coda\_0.19-4 knitr\_1.33   
## [4] dygraphs\_1.1.1.6 inline\_0.3.18 generics\_0.1.0   
## [7] callr\_3.7.0 rlist\_0.4.6.1 base64url\_1.4   
## [10] xml2\_1.3.2 httpuv\_1.6.1 assertthat\_0.2.1   
## [13] xfun\_0.22 hms\_1.1.0 ggdist\_2.4.0   
## [16] bayesplot\_1.8.0 evaluate\_0.14 promises\_1.2.0.1   
## [19] fansi\_0.4.2 progress\_1.2.2 dbplyr\_2.1.1   
## [22] readxl\_1.3.1 DBI\_1.1.1 htmlwidgets\_1.5.3   
## [25] ellipsis\_0.3.2 crosstalk\_1.1.1 backports\_1.2.1   
## [28] V8\_3.4.2 permute\_0.9-5 markdown\_1.1   
## [31] RcppParallel\_5.1.4 vctrs\_0.3.8 remotes\_2.3.0   
## [34] abind\_1.4-5 cachem\_1.0.4 withr\_2.4.2   
## [37] ggforce\_0.3.3 bdsmatrix\_1.3-4 vegan\_2.5-7   
## [40] xts\_0.12.1 prettyunits\_1.1.1 cluster\_2.1.0   
## [43] crayon\_1.4.1 pkgconfig\_2.0.3 tweenr\_1.0.2   
## [46] nlme\_3.1-149 rlang\_0.4.11 globals\_0.14.0   
## [49] lifecycle\_1.0.0 miniUI\_0.1.1.1 colourpicker\_1.1.0   
## [52] filelock\_1.0.2 modelr\_0.1.8 cellranger\_1.1.0   
## [55] distributional\_0.2.2 polyclip\_1.10-0 matrixStats\_0.58.0   
## [58] Matrix\_1.2-18 loo\_2.4.1 mc2d\_0.1-19   
## [61] carData\_3.0-4 boot\_1.3-25 zoo\_1.8-9   
## [64] reprex\_2.0.0 base64enc\_0.1-3 gamm4\_0.2-6   
## [67] processx\_3.5.2 bitops\_1.0-7 parallelly\_1.25.0   
## [70] shinystan\_2.5.0 rstatix\_0.7.0 ggsignif\_0.6.1   
## [73] scales\_1.1.1 magrittr\_2.0.1 threejs\_0.3.3   
## [76] compiler\_4.0.3 RefManageR\_1.3.0 rstantools\_2.1.1   
## [79] lme4\_1.1-26 cli\_2.5.0 listenv\_0.8.0   
## [82] ps\_1.6.0 Brobdingnag\_1.2-6 MASS\_7.3-53   
## [85] mgcv\_1.8-33 tidyselect\_1.1.1 stringi\_1.5.3   
## [88] projpred\_2.0.2 yaml\_2.2.1 svUnit\_1.0.6   
## [91] ggrepel\_0.9.1 bridgesampling\_1.1-2 tools\_4.0.3   
## [94] rio\_0.5.26 rstudioapi\_0.13 foreign\_0.8-80   
## [97] farver\_2.1.0 digest\_0.6.27 shiny\_1.6.0   
## [100] storr\_1.2.5 car\_3.0-10 later\_1.2.0   
## [103] rsconnect\_0.8.17 colorspace\_2.0-1 rvest\_1.0.0   
## [106] fs\_1.5.0 eha\_2.9.0 splines\_4.0.3   
## [109] statmod\_1.4.36 expm\_0.999-6 graphlayouts\_0.7.1   
## [112] shinythemes\_1.2.0 xtable\_1.8-4 jsonlite\_1.7.2   
## [115] nloptr\_1.2.2.2 tidygraph\_1.2.0 R6\_2.5.0   
## [118] pillar\_1.6.1 htmltools\_0.5.1.1 mime\_0.10   
## [121] txtq\_0.2.4 glue\_1.4.2 fastmap\_1.1.0   
## [124] minqa\_1.2.4 DT\_0.18 codetools\_0.2-16   
## [127] pkgbuild\_1.2.0 mvtnorm\_1.1-1 utf8\_1.2.1   
## [130] lattice\_0.20-41 numDeriv\_2016.8-1.1 arrayhelpers\_1.1-0   
## [133] curl\_4.3.1 zip\_2.1.1 shinyjs\_2.0.0   
## [136] openxlsx\_4.2.3 survival\_3.2-7 munsell\_0.5.0   
## [139] haven\_2.4.1 reshape2\_1.4.4 gtable\_0.3.0