# Key to listed abbreviated variables:

**scandata**  -> all observational data (2014-2016)

**scanprim8**  -> observational data recorded using Prim8 software (2015-2016)

orderkey = unique id per row

year = year of observation

julian\_date = day of observation (julian\_date 1 = first day of field season in Feb 2014)

dop = unique observation session ID (d = julian day, op = observation period)

dos = unique scan ID (d = julian day, o = observation period, s = scanID)

site = site observed in (sites 1-3)

id = unique squirrel ID

sex = 1=males, 2 = females

age = 1=adults, 2=subadults, 4=juveniles

group = primary sleeping burrow association (nighttime social group)

time = time of observation in 24:00 format

duration = time in s that squirrels perform a state behavior (only recorded with Prim8

software from 2015-2016)

posture = s2=sit with 2 paws on ground, s4=sit with 4 paws on ground,

behaviour\_1:3 = the behavior the squirrel was performing, up to 3 different behaviors

x = x coordinate of a squirrel location in UTM

y = y coordinate of a squirrel location in UTM

source = whether a predator or disturbance was observed

comments = any notes about the observation

**df\_cost** -> dataframe for the cost of perching analyses

year = year data collected

id = unique squirrel ID

scans.feed = number of scans that the squirrel was observed foraging in that year

scans.obs.x = total scans the squirrels was observed that year

propfeed = proportion of time spent foraging (scans.feed/scans.obs.x)

scans.perch = number of scans that the squirrel was observed perching in that year

scans.obs.y = total scans the squirrels was observed that year (same as scans.obs.x)

propperch = proportion of time spent perching (scans.perch/scans.obs.y)

avemass = the average mass in grams of the squirrel that year

hf = hindfoot length in mm

bc = body condition

survival\_age = age the squirrel survived until

survived = whether the squirrel survived (1) or did not survive (2) that year.