Summary of camera trap data, SAGW, 2022

2023-05-26

# Effort

Information about when cameras were deployed and retrieved

Information about sampling occasions (number, dates for each, proportion of time that cameras were operational?)

Include a figure with camera deployment information, with sampling occasions denoted?

# Detections

Table with detection summaries

* row for each species detected (common and scientific names)
* number of photos, detections (max of one per day or sampling period per location)
* number of locations
* detection rate (denoting for which species we ran occupancy model)

# Modeling approach

Occupancy models

* types of data used
* parameters estimated

spOccupancy package (that uses a Bayesian framework)

Model selection

* what covariates were considered (i.e., candidate model set)
* how a model for inference was selected

# Species 1 (create species sections in a loop since the number of species will change across parks and years?)

## Model used for inference

Brief description

Table with parameter estimates (along with generic caption)

Example:

summary(cars)

## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

## Estimated occurrence probabilities

Map

## Estimated covariate effects on occurrence and/or detection probabilities

Figures with captions. Example:

