# 04\_analysis\_consideration

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| analysis\_consider\_code | analysis\_consider\_text |
| c\_study\_area\_num | **\*\*Multiple study areas\*\* -** include latitude, topography, temp, and or NVDI as covariates in analysis (Hofmeester et al., 2019). |
| c\_cam\_strat\_covar\_num |  |
| c\_study\_season\_num | **\*\*Multiples study seasons\*\* -** correct for multiple seasons by including season or temperature as covariates in your analysis (Hofmeester et al., 2019). |
| c\_sp\_mult | **\*\*Target species -** Single vs. multiple**\*\*** - |
| c\_sp\_behav\_season | **\*\*Target species -** Species behaviour (season)**\*\*** - |
| c\_rarity | **\*\*Target species -** Rarity**\*\*** - |
| c\_detprob | **\*\*Target species - D**etection probability**\*\*** - |
| c\_sp\_behav | **\*\*Target species -** Species behaviour**\*\*** -  Note that the following models’ assumptions include unbiased behaviour: ("mod\_scr\_secr","mod\_ds","mod\_2flankspim","mod\_rem","mod\_rest","mod\_tifc") |
| c\_sp\_season | **\*\*Target species -** Species behaviour (season)**\*\*** - |
| c\_mod\_rai | Because you chose...<b>**State variable: “Relative abundance” or “Unknown”:</**b><br>  Note that when you reach the analysis stage, you will want to select a count model method that most appropriately accounts for “Zero-inflation” and “Overdispersion” (see section XXX [not yet present] for more information). See also “Mixed models” (section XXX [not yet present]). |
| c\_sp\_size | Because you chose...<b>**Target species – Body size: “Multiple” or “Unknown”:</**b><br>Correct for variable body size of your target species by including body mass and diet as variables in analysis (O’Brien, Kinnaird, and Wibisono 2011; Hofmeester et al., 2019). |
| cam\_strat\_covar | Because you chose...<b>**\*\*Site selection constrains – Stratified:</**b><br> |
| c\_sp\_rarity\_mult | Because you chose...<b>**Target species – Rarity: “Multiple” or “Unknown”:</**b><br>  Ensure that your study design options and modelling methods are appropriate for the full spectrum of species’ rarity of your Target Species (e.g., if common <--> rare and if faced with multiple options, choose a more conservative survey length to ensure that cameras are deployed long enough to detect rare species; in analysis.....[coming soon]) |
| c\_sp\_detprob\_cat | Because you chose...<b>**Target species - D**etection probability**: “Multiple” or “Unknown”</**b><br>  Ensure that the modelling method used accounts for variable detection of probability of the target species; this might include (but is not limited to) body size, movement speed, behaviour. What is most important to consider will also depend on your modelling approach (e.g., movement speed will matter less for Instantaneous Sampling than for Time in front of the Camera) [adjustments in future]. |
| c\_sp\_behav\_mult | **Target species - Multiple species / variable behaviour**<br> \- If targetting multiple species, correct for variable behaviour (in response the the camera/equipment) by applying correction factors for investigative behaviour (Becker et al., 2022). |
| c\_cam\_make\_model | **\*\*Multiple camera make/model\*\***<br> \- measure sensitivity of PIR sensor of each model and use as covariate (Hofmeester et al., 2019) or include camera model as a covariate (Kelly & Holub, 2015). |
| c\_cam\_settings | **\*\*Variable camera settings\*\*** - include each setting that differs as a covariate in analysis. |
| c\_cam\_protocol\_ht\_angle | **\*\*Variable camera height and/or angle\*\* -** include camera height and/or camera angle as covariates in your analysis (Hofmeester et al., 2019). |
| c\_baitlure | **\*\*Multiple bait/lure types\*\*** - if using multiple types of bait and/or lure, correct for variability in bait/lure effects by including bait/lure type as a variable in your analysis. Refer to the resources tab of [**Bait/lure]()**  Adjusting for Lure Effects - https://mabecker89.github.io/abmi.camera.extras/articles/lure.html |
| c\_baitlure\_var | **\*\*Bait/lure partial placement\*\*** - if placing bait/lure at a subset of cameras, correct for variability in bait/lure effects by including \*\*\*bait/lure presence\*\*\* as a variable in your analysis. |
| c\_targetfeature | **\*\***Targetting specific features**\*\*** -  Refer to |
| c\_targ\_feature\_multi | **\*\*Targetting multiple features\*\* -** if targetting multiple features, correct for variable placement on detection probability by including FOV Target Feature as a variable in your analysis. |
| c\_mixed\_mods | **\*\***Repeat sampling**\*\*** -  See also “offsets” |

**Camera settings**

**Camera height and/or angle**

**Target features**