Line 8116: 8117 so the captures are independent within an individual, but not between individuals right? At least for a mist net situation –could be a flock or a pair or whatever that fly into the net. Does it matter either way or do both represent independent multinomial observations.

Line8259-8261 so if you end up with poisson data and you have search encounter data is there an advantage to making your grid cells smaller so you have binomial data?

Lie 8275: not to belabor the point. So in this case I understand the camera trap example but for the scat if you had smaller grids you could end up with the only possible values as 0 and 1. Or should the grid size be set *a priori* and not meddled with?

Line 8359: why the 8 in the equation?

Line 8383: is the 64 because you have 64 cells in your simulated area? Is that where the 8 comes from?

Line8458 “occasion” not “occasion”

8688 : I think you need a “.” At the end of the sentence

8707 “There is a habitat mask provided with the data but the mask appears to just be a modified rectangle around the net locations, clipped to have rounded corners, and so we don’t use it here.”

Ha, probably don’t need to go into that much detail for why you used your own statespace

*Footnote*

The implied prior (by data augmentation)is that Nt ∼ Uniform(0, 100). Because M+max number obs=100? Or just M=100?

8838: molestation ! perhaps “handling” is the better word. ☺

Line 8864: “In the simulation of single catch data, we randomly ordered the population of individuals for each sample occasion, and then cycled through them, turning off each trap if an individual was captured in it.” Okay so you can’t possible simulate every situation but seems like with small mammals maybe the first individual captured is always the first individual captured in the trap-because of behavior or because the trap is closest to it’s center of activity.

Line 8900 : I’d like to see a possum picture

Line 8922: so you would subtract out the activity centers that were over the water?

Line 8964 applied to “a” field study

General comment: so do you have to be able to identify individuals from the acoustic data?

Okay I see that do, that would be hard for something like a bat.

9030: seems like a real mess, maybe okay for breeding birds that are all staying in one spot.

9099 do you mean “cue” as in a signal or a prompt or “queue” as in line