Here are my corrections for Chapter 16 – Open Population Models. Let me know if you have any questions.

Earvin

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56,148,576,694,751, maybe there should be a dash in "capture-recapture" to be consistent with the rest of the paper.

62 there is an extra word "a" that needs to be deleted.

68 looks better with a colon instead of a comma: "...used in accounting: the balance sheet..."

96 sounds better with "an" instead of "the"

96 "leaves" instead of "leave", and "its" instead of "it's"

167 "...and this can lead to potentially..."

168 "...This led Pollock..." or can be rewritten somehow because of the double use of "lead" from the previous sentence.

176 This sentence should be broken up into two sentences because "...between the primary occasions and within a primary occasion..." is confusing. Maybe separate with words like "whereas" or "on the other hand" or something similar.

186,254 "sampling" instead of "sample" unless this was on purpose.

245 "reparameterization"

248 there shouldn't be a comma after "N\_t"

257-258 too many "which"s in this sentence. I would change this sentence to "Here, this formulation of the model uses a set of latent variables, labeled A(i,t), describing the time interval (t-1,t) in which an individual is recruited into the population."

Figure1.2 There are three different ways that the unit of measure "meters" is specified here. It doesn't look nice.

290-291 Same story with "meters". Maybe choose one or the other?

291,309 The "x"s should be fixed just like in line 603. (I know, i'm so picky.)

298 It is unclear how this sentence ends. I think you mean "...demographic processes, as opposed to the JS model."

370 Just to be consistent with the rest of the paper, "Bern" should be "Bernoulli"

521,629,709 "package"

527 Only need one period after "etc", not three.

533 "temporarily" instead of "temporally"

566 the comma after "individual" should be deleted, but can be added right before "and vice versa..."

568 semicolon can be replaced by a comma.

599 "population" instead of "populations"

651 better if it's "...SCR models are essentially multi-state models with spatially..."

738 The end of this sentence needs to be changed, or maybe simply delete "such". I believe you are trying to differentiate between this sentence and the previous two sentences, but both have the same s\_i~Uniform(S), but I believe the second one needs to be a function of year somehow, maybe something like "s(i,t)~Uniform(S)"

740 "...this might be a reasonable..."

745 "...This is possibly the most realistic..."

748 "We could also use models..."

760 There is an extra right parenthesis ")" after "...2008)"

774 "By using such Markovian models..."

813 "...large relative to the potential..."

825 "Regardless" instead of "Irregardless"??

825-826 "...at an optimal situation where..."

830- "pd" and "ds" are a little confusing because it looks like a multiplication of two variables. (this is always true for 2-letter variables)

839 a space is needed between "...constant" and "(i.e..."

843 "components"

852-856 I think this is a run-on sentence. It could be changed by first deleting "but" in line 853, and possibly separating to two or three sentences.

855 the left apostrophe of "'converted'" needs to be fixed.

863-864 "dynamics of population dynamics" sounds weird.