Subject: RE: Equations help
From: Inaki Garcia-De-Cortazar-Atauri <inaki.garciadecortazar@inra.fr>
Date: 5/3/19, 1:52 AM
To: "e.wolkovich@ubc.ca" <e.wolkovich@ubc.ca>

Hi Lizzie,

I was reading the document you sent me.
I do not see any problem and I think you have all the elements to explore the models (equations are ok and you only need daily average temperature data).
Only one small clarification: we use PMP (Phenological Modeling Platform) to fit the models. PhenoFit is the program developed by Isabelle to simulate species distribution.
Otherwise, I am very interesting to see how Stan can manage to fit these models 🙂
All the best and see you soon

Iñaki

-----Message d'origine-----
De : Elizabeth M Wolkovich [mailto:wolkovic@mail.ubc.ca]
Envoyé : jeudi 2 mai 2019 03:29
À : Inaki Garcia-De-Cortazar-Atauri <inaki.garciadecortazar@inra.fr>
Objet : Equations help

Hi Iñaki,

I hope this note finds all well with you!

I am starting to work on getting our phenological models coded in Stan (so we can solve for the parameters in Stan). For this I need complete equations for the models we plan to use. I suggest we start with what we used in Nacho's paper, we can code other models if needed (and if there is funding left) but this seems a reasonable place to start, I think.
Let me know if you disagree.

I have worked up what ***I think*** are the equations (see attached) but could use another set of eyes. Is this everything we need to run the models and estimate parameters? Is there anything else we need to parameterize the models (other than data)?

Thanks for any help! Once I have this I will pass along to the Stan modeler and see where we can get.

All the best,

Lizzie

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