Re: Simulation code

CLAY MORROW <morrow5@wisc.edu>

Tue 2/23/2021 12:09 PM

To: Anthony R. Ives <arives@wisc.edu>

Tony,

Thanks. I'll look over this.

From: Anthony R. Ives <arives@wisc.edu>
Sent: Tuesday, February 23, 2021 12:08 PM
To: CLAY MORROW <morrow5@wisc.edu>
Subject: Re: Simulation code

Clay,

Here is code for figures 3-5 in the RSE ms and figures 1&2 for the MethodsX paper. The latter doesn't have a time component.

We talked on Thursday about possibly using tapered matrices. There is one in the source code: taper.spherical.

It is also possible to use the trick in the panel regression formulation of letting X(t) = W*X(t) [see Ralph's notes]. This will be fast, but it is unclear to me what exactly the spatial autocorrelation is. I've also built a mixed model simulation. The file "simulation notes 23Feb21.R" has both of these.

If you want to talk about this, let me know. There are several simulations here.

Cheers, Tony

From: CLAY MORROW <morrow5@wisc.edu>
Date: Tuesday, February 23, 2021 at 11:30 AM
To: "Anthony R. Ives" <arives@wisc.edu>
Subject: Simulation code

Tony,

Do you have additional code for the simulations that you ran for the RSE manuscript? simX() and simX_shock()exist in your remote sensing tools script, but I want to be sure there isn't some additional code. I'm asking because I'd like to look over the simulations while thinking about the planned MEE manuscript.

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