Dear participants,

Thank you for your interest in our workshop on Hidden Markov Models (HMMs)!

The workshop will take place on zoom Oct 5 - Oct 7, 2022 from 9 am to noon in Pacific Daylight Time.

To join the meeting, use the following link: <https://ubc.zoom.us/j/63300886818?pwd=WHVMYmRZYnFQQ1c2RHBWeFg0UGU0Zz09>

To prepare for the workshop, it is important to install all of the packages and software found in the document attached. Note that some packages are not on CRAN and require the installation of additional GIS software. Installing these packages and software can take time, so please do it at least a day before the workshop.

In addition, we have posted the three ~ 1hr recordings here. You should listen to the first recording before our first session on Oct 5. You can find our lectures on our youtube channel: <https://www.youtube.com/playlist?list=PLYkxNfKA95Pzcp5xfJdQKl6xLQoXrP39x>

For now, you can also find these videos here:

Lecture 1: <https://drive.google.com/file/d/1MKVQFfJJVw-YIOtVztX4OSmw2T_9j0XF/view?usp=sharing>

Lecture 2: <https://utoronto.zoom.us/rec/share/AV6RSW3UUQD2mNxUrbThENa1p2k3BzsavZGwUD-1EuRw7kIUbLVhwS7xEFyZtPRN.XM4cCEMfRKLgHkNh>

Lecture 3: TBD

The schedule will be :

Day 1 (Oct 5):

* Pre-recorded lecture: General HMM structure and set up ***– please watch before joining the zoom meeting***
* Tutorial: Intro to HMM in R with momentuHMM – during the zoom meeting

Day 2 (Oct 6):

* Pre-recorded lecture: Fitting and checking procedures ***– please watch before joining the zoom meeting***
* Tutorial: Dealing irregular locations, time gaps, including diving covariates (narwhal data) – during the zoom meeting

Day 3 (Oct 7)

* Pre-recorded lecture: Extension of HMMs: random effects, misspecification (robustness of state decoding) ***– please watch before joining the zoom meeting***
* Tutorial: Accelerometer data, energy proxies, correction for shark tag axis, fine scale, hierarchical, multiple temporal scale (shark data) – during the zoom meeting

All of the material will be available on Github, we will send the link closer to the date.

Looking forward to meet you all!

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