2/8/22

Main question:

* How to have a ‘traditional’ analysis while using a framework that doesn’t necessarily adapt well for trus?

Main point: different swans meet their needs in different ways

* Descriptive what are they doing
* Less importance on wintering site and ‘arrival’ on winter grounds
* Anchor on breeding site
* At the coldest part, where are all the swans in terms of open water and ice?

To consider variability:

1. We could estimate

To-do:

* make a visualization of all the collars and when they were active
* Plot a bunch of NSD figures and pick out a few of the clear examples of different categories? (e.g. a total resident, a clear migrant, and one with several plateaus that hops around during the winter season)
* redo map of distance moved vs breeding latitude for 2021-2022 winter so far?
* Take a snapshot of time for this year (now?) and determine open water/artificial water status
* Look at variability in individuals by comparing ‘water status’ over multiple years for the same swan
* Try to make a visualization or snapshots of collared dots (by water status) and 1) a line that differentiates water status by open water vs artificial/river, and 2) a line that represents the ‘actual’ freeze line E-W?