convertMoves()

Does anyone have more than one gpx file? Script handles with list but unnecessary?

Find out download process. I think there may have been three files (monthly) to start that were combined. Later on last visit with intact data, saved only the final visit file?

Need to tidy variable names in these early scripts so not needed later

Is a recalc of NextTime a good idea (after removing bad timestamps) or should be NA. This recalc follows an arrange(). Maybe best to handle there?

gpsLoadMoves()

* Need to tidy variable names in these early scripts so not needed later
* How were gaps in the GPS identified and marked
* How are null segments handled? Is there a problem with removing multiple repeated null segments? Need an example of subject with NULL rows to explore this
  + The data from moves come structured as a nested data frame, with ‘tracks’ for each day. On days that have no GPS observations (so for example, for subject 2) there is a track for that day, but it contains nothing (“NULL”). In these circumstances, the date is retained and NULL values are imputed for segment and other variables (line 31).
  + All rows will no segment information and no lat information (e.g., days with no GPS observations) are removed in Line 82
  + In lines 54, 57, and 65, NULL is written ‘null’ so unless this script was changed post processing, a few programmed steps regarding nulls were not executed. Specifically, the following steps won’t execute in the code as written:
    - Line 54 finds the first non-null instance of a representative variable and trims the working df by removing anything before that first non-null instance.
    - Line 57 removes repeated null rows, which removes strings of days when participants had no GPS observations. I’m not sure why.
    - Line 65 imputes the remaining null values (some of which are the first of a long series of days without GPS observations) as the previous date/time, creating a row with identical date/time but additional information as null.
* Make a list of categories for type and segment from raw moves
* Where does home type come from in subject
* Type can also be “off”. Need to find an example of that for exploration
  + Subjects with many “OFF” type observations in the processed dataset: 26, 34, 29, 25
* Figure out how categories of type and segment should be handled in examples with null and off
* Should move points surround place type and are at same lat/long be considered part of time at place?