

METADATA FOR TABLES THAT ARE OUTPUT AS CSVs

1. Participant XXXX imputed

Column Name	Description	Type	Units
Date	Date and time that observation occurred	POSIXct	d/m/yyyy h:mm
ID	Null for imputed observations, unique numeric identifier for non-imputed observations	Numeric	NA
Long	Longitude	Numeric	degrees
Lat	Latitude	Numeric	Degrees
time_gap	Time elapsed between observations	Numeric	minutes
cum_time	Cumulative time	Numeric	minutes
distance	Distance between adjacent points	Numeric	meters

2. Participant XXXX imputed STDBSCAN 200 20 10

Column Name	Description	Type	Units
Date	Date and time that observation occurred	POSIXct	d/m/yyyy h:mm
ID	Null for imputed observations, unique numeric identifier for non-imputed observations	Numeric	NA
Long	Longitude	Numeric	degrees
Lat	Latitude	Numeric	Degrees
time_gap	Time elapsed between observations	Numeric	minutes
cum_time	Cumulative time	Numeric	minutes
distance	Distance between adjacent points	Numeric	Meters
Long_proj	Projected longitude	numeric	meters
Lat_proj	Projected latitude	Numeric	Meters
stdb_cluster	Cluster id of stdbscan cluster	numeric	NA

3. Participant XXXX postprocessed

Same as Participant XXXX imputed STDBSCAN 200 20 10

4. Participant XXXX DBSCAN

Column Name	Description	Type	Units
stdb_cluster	Stdb Cluster id	Numeric	NA
long_centroid_stdb	Longitude of the centroid of the stdb cluster	Numeric	Degrees
lat_centroid_stdb	latitude of the centroid of the stdb cluster	Numeric	Degrees
cluster_begin_time_stdb	Earliest time of all points within the stdb cluster	POSIXct	d/m/yyyy h:mm
cluster_end_time_stdb	latest time of all points within the stdb cluster	POSIXct	d/m/yyyy h:mm
long_centroid_projected	Projected longitude of the centroid of the stdb cluster	Numeric	Meters
lat_centroid_projected	Projected latitude of the centroid of the stdb cluster	Numeric	Meters
dbscan_cluster	Cluster id of dbscan cluster	Numeric	NA

METADATA FOR TABLES THAT ARE USED FOR PROCESSING BUT NOT OUTPUT AS CSVs

1. cluster_chars_x (generated from the stdb_cluster_chars function)

Column Name	Description	Type	Units
stdb_cluster_id	Stdb Cluster id	Numeric	NA
long_centroid	Longitude of the centroid of the stdb cluster	Numeric	Degrees
lat_centroid	latitude of the centroid of the stdb cluster	Numeric	Degrees
begin	Earliest time of all points within the stdb cluster	POSIXct	d/m/yyyy h:mm
end	latest time of all points within the stdb cluster	POSIXct	d/m/yyyy h:mm
Long_proj	Projected longitude of the centroid of the stdb cluster	Numeric	Meters
Lat_proj	Projected latitude of the centroid of the stdb cluster	Numeric	Meters

2. stdb_clusters_to_combine_x

(generated from the stdb_to_combine function)

Column Name	Description	Type	Units
stdb_cluster_id	Stdb Cluster id	Numeric	NA
stdb_cluster_id_b	Stdb Cluster id	Numeric	NA
clust_dist	Distance between cluster centroids	Numeric	Meters
clust_time_gap	Time difference between clusters	Numeric	Minutes
ddr_adjacent	Boolean field indicating whether adjacent clusters are within 200 meters and 20-720 minutes of each other	Boolean	NA