Raw Files Needed

- LENA .its files

  In psy and pegasus servers you should find the collection date log file in:

  IBSS/Classroom/MM-DD-YYYY/LENA_Data/ITS.

  If not already there then in the lena.org cloud app website you can download the classrooms' dates' its files (project main participants should have access to this).

- Ubisense Raw Location logs

  In psy and pegasus servers you should find the collection date log file in:

  IBSS/Classroom/MM-DD-YYYY/Ubisense_Data.

  If not already there then in the Ubisense laptop you should be able the original MiamiLocation.YYYY-MM-DD_HH-MM-SS-MSS.log log files for a particular classroom collection .log file. If there is more than one log they should be merged in one (one can use Notepad as editor).

- Mapping files need to be made after

Mapping Files' Requirements

- Base Mapping File
  - Naming convention is
    MAPPING_CLASSNAME_BASE.CSV
  - Headers and values need to be as follows (*required):
    - •Roster (FirstName,LastName) *
    - •Vest_size
    - •Subject_ID *
    - •Left Tag *
    - •LeftTag_Label
    - •Right Tag *
    - •RightTag_Label
    - •LENA *
    - •LENA_Label_ID
    - •Starts
    - •Expires
    - •Absent
    - •Diagnosis
    - •Gender
    - •DOB
    - •TYPE (Child, Teacher or Lab) *
    - •Other ID *
    - •ABSENT/PRESENT
    - •Notes
- Daily (Collection day) Mapping File
  - Naming convention is
    MAPPING_CLASSNAME.CSV
  - Headers and values need to be as follows (*required):
    - •Roster (FirstName,LastName)
    - •Vest_size
    - •Subject_ID *
    - •Left Tag *
    - •LeftTag_Label
    - •Right Tag *
    - •RightTag_Label
    - •LENA *
    - •LENA_Label_ID
    - •Starts (hour:min AM/PM) *
    - •Expires (hour:min: AM/PM) *
    - •Absent
    - •Diagnosis
    - •Gender
    - •DOB
    - •TYPE (Child, Teacher or Lab) *
    - •Other ID *
    - •ABSENT/PRESENT *
    - •Notes

Executable Arguments

- DIR: (Directory where data is)

  Folder Structure should be as follows:

  There should be a base mapping file at the root (naming convention is MAPPING_CLASSNAME_BASE.CSV)
  For every date to be processed a folder called mm-dd-yyyy with:
  - An Ubisense_Data folder with the Miami Location raw Ubisense file
  - A LENA_Data folder with an ITS folder with all raw LENA its files
  - A MAPPINGS folder with the date's corresponding mapping file

  (naming convention is MAPPING_CLASSNAME.CSV)

- GRMIN and GRMAX:2
- HRMIN and HRMAX (Optional, hour from when to account data from and to, default: 7am- 16[4pm])
- DAYS (to process, d/m/yyyy format, comma separated)

Example:

DIR:E:// CLASSNAME:StarFish_2021 GRMIN:0.2 GRMAX:2 HRMIN:7 HRMAX:13 DAYS:3/16/2021,4/6/2021,4/13/2021,4/27/2021,5/20/2021,5/25/2021,6/8/2021

ULPROCESSOR V2020 Objects

Person

Attributes

mapId

longId

shortId

diagnosis

language

dob

gender

subjectType

PersonInfo

Attributes

mapid

time

x

Y

PersonSuperInfo

(PersonInfo)

Attributes

xl yl

xr yr

ori_chaoming

wasTalking

lenaVars

LenaOnsets

Attributes

id

type

startTime

endTime

durSecs

segmentDurSecs

count

avgDb

peakDb

LenaVars

Attributes

totalChildUttCount

totalChildUttDuration

totalAdultWordCount

totalTurnCounts

totalNoise

totalOLN

totalChildCryDuration

totalSegments

avgDb

maxDb

UbiLocation

Attributes

id

time

type

tag

x

y

Activity

Attributes

start

end

type

szChildren

szTeachers

line

ClassroomDay

Attributes

classDay

personBaseMappings

personDayMappings

lenaOnsets

ubiLocations

logActivities

Functions

readUbiLogs

readLenaIts

readActivityLogs

getTenthOfSecUbi

findTagPerson

getPersonInfoByLena

getTrunkTime

getTenthOfSecReports

Classroom

Attributes

dir = "";

className = "";

grMin = 0;

grMax = 0;

mapById = "LONGID";

personBaseMappings

startHour = 7;

endHour = 16;

classRoomDays

Functions

setDirs

setBaseMappings

processAll

(days gr, onsets, sec/10)

getPairActLeadsFromFiles

mergeDayFiles