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function ac_intention

% this program will read eeg data files
% it will also call another program which will classify
%channel by channel between neutral and movement

[file,loc]= uigetfile('*.eeg','Pick an EEG file');
cd(loc)

file = dir('*.eeg');
n = length(file)

EEG = pop_loadeeg(file(1).name);
samplerate = EEG.srate;
datam = EEG.data(1:28,5000:6000,:);
datapm = EEG.data(1:28,2000:3000,:);
clear EEG;
movedata = datam;
holddata = datapm;
clear datam datapm

for i = 2:n
    EEG = pop_loadeeg(file(i).name);
    samplerate = EEG.srate;
    datam = EEG.data(1:28,5000:6000,:);
    datapm = EEG.data(1:28,2000:3000,:);
    clear EEG;
    movedata = cat(3,movedata,datam);
    holddata = cat(3,holddata,datapm);
    clear datam datapm
end

chan = size(movedata,1);

for i = 1:chan
    datam = squeeze(movedata(i,:,:));
    datapm = squeeze(holddata(i,:,:));
    [movement(i),neutral(i),trial(i)] = ac_intention1(datam,datapm);
    [movement1(i),neutral1(i),trial1(i)] =
gvknear_sub_intention(datam,datapm,3);
end
complete = [movement;neutral;trial];
completel = [movement1;neutral1;trial1];
filename = 'All_Intentiontioneuclid.txt';
filename1 = 'All_Intentiontioneuclid_knn.txt';
dlmwrite(filename,complete,'\t');
dlmwrite(filename1,completel,'\t');
clear

```