

Task:
Use group1's
and group2's
database as
labeled data to
train the
prediction
algorithm to
predict pitch,
yaw, and roll
from EEG data

Upload video

pose estimation

p,r,y val extraction
add landmarks and calculate the p, r, y over time

data base (1)

data base (2) subject n vid k selected

eeeg loc (channel location)

note: time stamps/intervals should match between r.p.y and eeeg in the data base

s0

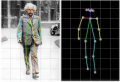
database link (->s3)
documentation link

upload->

(->s1)

s1

database link (->s3)



calculate data (->s2)

s2

database link (->s3)


31.00
-2.00
26.00

time stamps

s3					subject n vid k				s4	
subjects:					time stamps (rpy)	r.p.y (rad or deg)	time stamps (eeg)	eeg mV loc 1	eeg mV loc 2	eeg mV loc n (1-16)
					00.00.00	31.00, -2.00, 26.00				
		subject 1 vid 1			00.00.01	31.50, -2.30, 26.00				
		subject 1 vid 2			00.00.02	31.60, -2.00, 26.00				
		subject 2 vid 1			00.00.03	33.00, -2.00, 26.00				
		subject 3 vid 1			00.00.04	34.00, -2.00, 26.00				
		subject n vid k (->s4)								
	add data+									
					adjust time intervals					
					current time interval: 00.00.01					

group3

p,r,y = (pitch, roll, yaw)

EEG = [loc1:(mV_0 -> mV_n), loc2:(mV_0->mV_n), locn:(mV_0->mV_n)]

model(input=EEG) -> predict -> timeseries_pry	
time stamps (rpy)	r.p.y (rad or deg)
00.00.00	31.00, -2.00, 26.00
00.00.01	31.50, -2.30, 26.00
00.00.02	31.60, -2.00, 26.00
00.00.03	33.00, -2.00, 26.00
00.00.04	34.00, -2.00, 26.00