Data Model - Prepare Session

<<enumeration>> ACTIVITY
sport
meditation
work
home
relax

<<enumeration>> GENRE
pop
classical
rock
disco
workout

INGESTION SYSTEM CONFIGURATION
+ max_missing_samples :int
+ required_records :int
+ evaluation_sys_addr :string
+ preparation_sys_addr :string
+ phase :PHASE

<<enumeration>> PHASE
inference
development
evaluation

RECORD
+ alpha :float [0,1]
+ beta :float [0,1]
+ theta :float [0,1]
+ delta :float [0,1]
+ activity :ACTIVITY [0,1]
+ genre :GENRE [0,1]
+ helmet_id :UUID
+ activity_id :UUID
+ genre_id :UUID

PREPARED RECORD
+ alpha :float [0,1]
+ beta :float [0,1]
+ theta :float [0,1]
+ delta :float [0,1]
+ activity :ACTIVITY [0,1]
+ genre :GENRE [0,1]

PREPARATION SYSTEM CONFIGURATION
+ alpha_max :float
+ alpha_min :float
+ beta_max :float
+ beta_min :float
+ theta_max :float
+ theta_min :float
+ delta_max :float
+ delta_min :float
+ production_sys_addr :string
+ segregation_sys_addr :string
+ phase :PHASE

RAW SESSION
+ missing_samples :int = 0
+ records :RECORD [0,n] = []
+ label :LABEL

PREPARED SESSION
+ records :PREPARED RECORD [0,n]
+ label :LABEL

LABEL
+ emotion :EMOTION

<<enumeration>> EMOTION
focused
relaxed
excited
stressed