This study examines the influence of emotion on perspective taking performance. Participants are divided into three emotion conditions, then performed a perspective taking task on psychopy. Raw data files for each participant: IV: emotion condition (awe, neutral or amusement); DV: response time and accuracy for 96 trials.

**Pseudocode:**

* Import packages
* Merge individual data file into a master file containing all participants’ data
  + Exclude filler trials
  + Adding participant ID in front of each trial
  + Addint emotion condition in front of each trial
  + mydata <- Merge data files #1 to #300
* Get descriptive statistics – # of participants, mean response time
  + Describe (mydata)
* Get descriptive stats for each emotion conditions
  + Describe (mydata[emotion = Awe,])
  + Describe (mydata[emotion = Neutral,])
  + Describe (mydata[emotion = Amusement,])
* Calculate accuracy rate for each participant
  + Res\_accurate <- count (mydata$key\_resp.corr ==1, each participant number)/96
* Exclude participants with accuracy rate lower than 50%:
  + mydata <- mydata[!(mydata$Res\_accurate < 0.5,]
* Compare overall response time across the 3 emotion conditions:
  + Resp\_overall <- aov(key\_resp.rt ~ emotion, data = newDat)
* Two way anova on Perspective and Consistency influencing response time and accuracy:
  + Interact\_RT <- aov (key\_resp.rt ~ Consistency \* Perspective, data = my\_data)
  + Interact\_Acc <- aov (key\_resp.corr ~ Consistency \* Perspective, data = my\_data)
* Compare three emotion conditions on inconsistent trials:
  + Resp\_EmoConsist <- aov(key\_resp.rt~Emotion, data = newDat$Consistency== 2)
* Compare three emotion conditions on other trials:
  + Resp\_EmoPerspective <- aov(key\_resp.rt~Emotion, data = newDat$Perspective== 2)
* Compare three emotion conditions on egocentric bias (Other inconsistent trials)
  + Resp\_egocentric <- aov(key\_resp.rt~Emotion, data = newDat$Consistency== 2&newDat$Perspective ==2)
* Compare three emotion conditions on altercentric bias (Self inconsistent trials)
  + Resp\_altercentric <- aov(key\_resp.rt~Emotion, data = newDat$Consistency== 1&newDat$Perspective ==2)
* Emotion + Perspective + Consistency three way interaction:
  + Threeway <- aov(key\_resp.rt ~ Emotion\*Perspective\*Consistency, data = newDat)