

# Wellness Chatbot Preliminary Trial

Test Group Protocol: Using Alpha Power Asymmetry in F3 F4 as Complementary Input For LLM Chatbot.

Chatbot instructed to conduct the conversation in a way that user feels good.

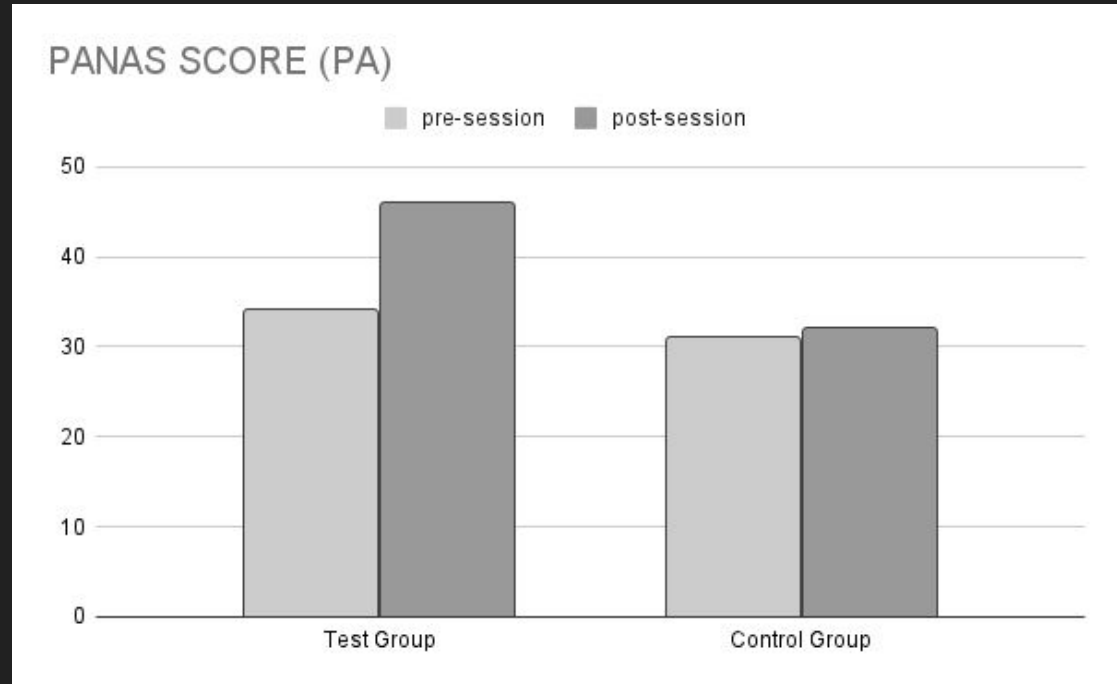
Chatbot is primed to alternate among 4 strategies: 1-affirm 2-re-frame 3-question 4-empathy

Number of Subjects: 6 ( 2 Female and 4 Male )

Age-bin Mode: 28-30 Age-Average: 29

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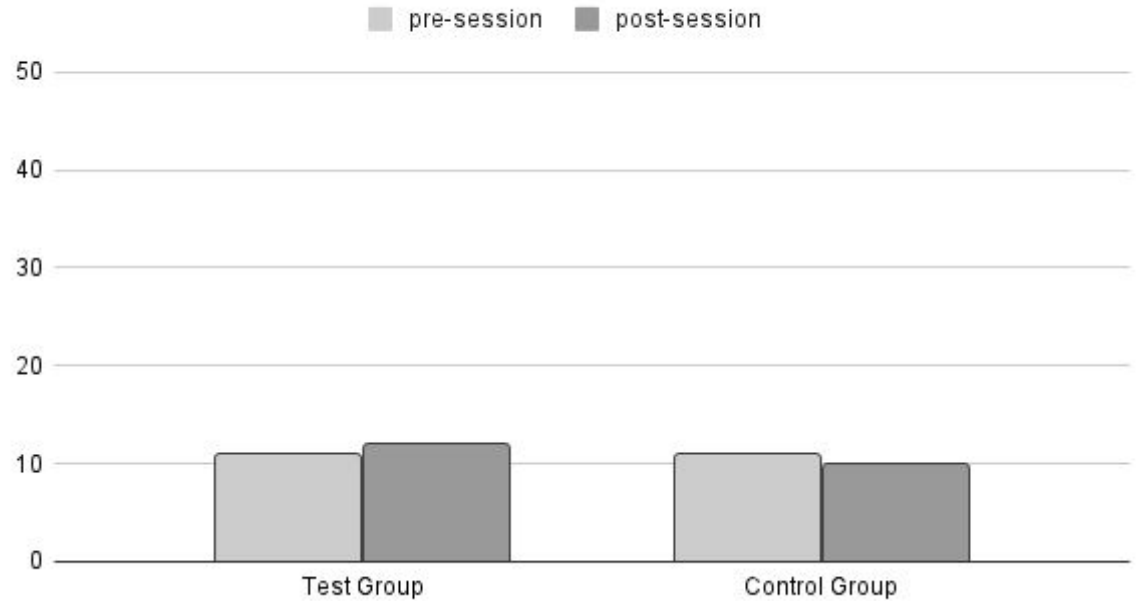
## PANAS-PA



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## PANAS-NA

PANAS SCORE (NA)

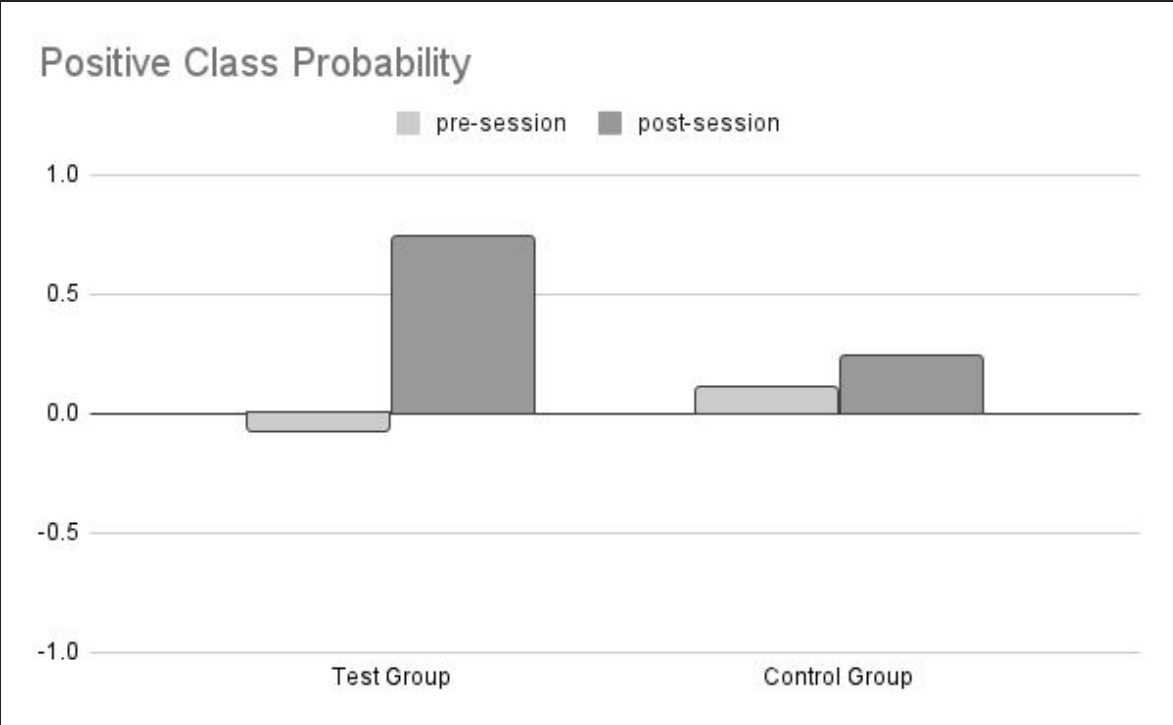


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Emotion Index  
LSTM @ 88.6%

Ref siddhi5386/

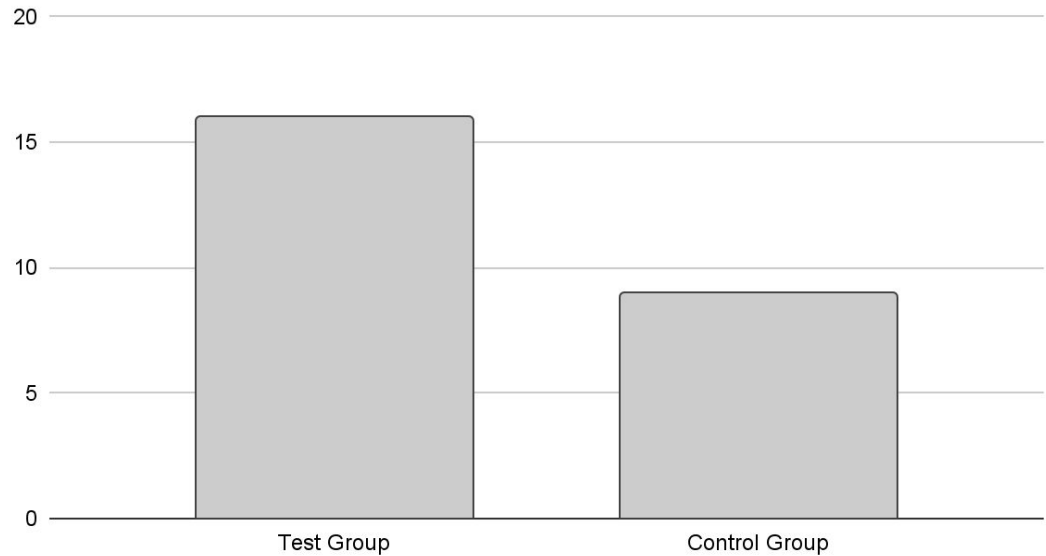
Emotion-Recognition-from-brain-EEG-signals



# Wellness Chatbot Preliminary Trial

Session Duration  
# of Messages

Average # of messages in session



Significant Elevation In Mood Post Session

Consideration: More Subjects to Include a Sham Group as well