* **What is the research goal?**

The aim of this work was to create a fully functional AI-ML based conversational

agent that behaves like a real time therapist which analyses the user’s emotion at every step and

provides appropriate responses and feedback.

* **What question(s) is the author trying to answer**?

Are chatbots able to deliver therapy for people who suffer from mental health problems? Are chatbots effective than therapists?

* **What methods are being applied?**

They used trained LR model to take the user’s emotion from the text using “predict-emotion” function they had built.

The classified emotion is then returned to the Response Generator which searches for the matching class of emotion out of the 8 defined emotions and retrieves unique responses for the class of user-predicted emotion.

he response retrieved is displayed and the user is further probed based on his/her replies until he/she chooses to quit.

* **What methods is the author applying to answer the questions?**

They used logistic regression model on a text after cleaning as the X feature and ' and ylabels for “Emotion” into train and test variables.

A function “predict\_emotion” was created to first, vectorize the past parameter for sample text.

They used naïve bayes also but LR was better.