

# User Response Classification Challenge

ADRIEN COGNY  
Cornell Tech  
ac2753@cornell.edu

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## Abstract

*Abstract Text*

## I. INTRODUCTION

Chatbots are used in many applications today: customer support, flight booking, scheduling meeting, ordering food and many more. The application of a chatbot explored in this dataset is for a therapy chatbot. These types of chatbot, while very effective, may require human intervention. Determining when a human should intervene can be quite important, in this case when a person requires help in dealing with a complex situation, and requires tools to identify these situations.

The data set contains 80 examples of responses entered into a therapy chatbot. Each of these responses contains an id as well as an identification. The identification is either "flagged" if the response was flagged for human intervention or "not flagged" if not.

## II. METHODS

The following models were created and tuned:

- dy-net built RNN Model using GloVe word embeddings
- sklearn Random Forest Classifier using GloVe word embeddings

Text requiring further explanation<sup>1</sup>.

<sup>1</sup>Example footnote

Table 1: Example table

Name		
First name	Last Name	Grade
John	Doe	7.5
Richard	Miles	2

## III. RESULTS

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#### IV. DISCUSSION

##### i. Subsection One

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##### ii. Subsection Two

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#### REFERENCES

[Figueredo and Wolf, 2009] Figueredo, A. J. and Wolf, P. S. A. (2009). Assortative pairing and life history strategy - a cross-cultural study. *Human Nature*, 20:317–330.