Chat bot in R

Description

This is a Chat Bot application in R. The purpose of this application is the user can input a question and the chat bot will answer based on the sentiment of the input.

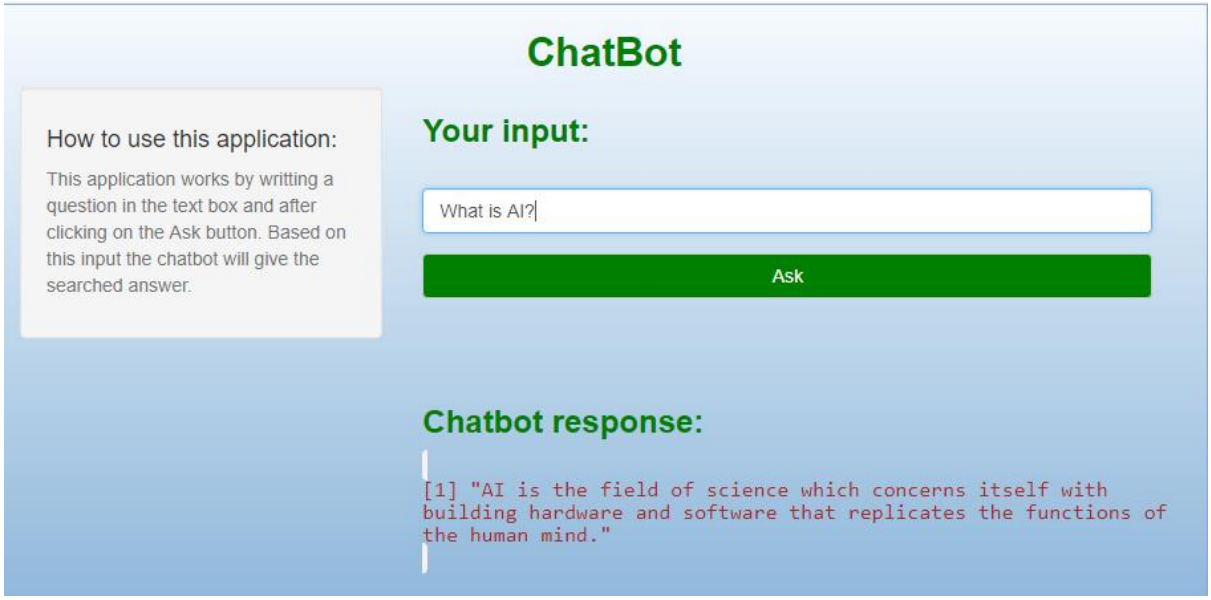
The application can be used on the following URL.

Installation of packages

In order to work on this application on RStudio one should install:

1. Shiny library
2. NLP library
3. Stringr library
4. Tm library
5. E1071 library

Interface



The user interface is divided in three different areas:

1. On the left is the description of the application.
2. On the right top there is the input text area that is used by the User.
3. On the right bottom there is the response area of the Chat Bot based on the input by the user.

Usage of the application

The application is used by the user by inputting text on the text area and then clicking on the green button.

Performance

The ChatBot application performs really good on all devices and there is no need of performance improvement.

Ways to improve

The chat bot can be improved in two ways:

1. The User Interface can be more user friendly and more intuitive.
2. The Chat Bot is trained on a small training dataset and it is not able to respond to all of the questions that might be asked by the user.