# Sentimental Chat Box

Seminar Paper

## Bio - Inspired Artificial Intelligence

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# Abstract

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# 1   Introduction

The development of artificial intelligence is increasingly present in our lives, so we want to contribute to its continued growth. Many times we need someone to tell us something to make us feel better, someone to be with in bad times or someone to share happiness with. But if we do not have anyone to talk to and we do not want to be "alone" or "sad", what can we do? In this document, we propose a solution. We develop a sentimental chatbot whose objective is to detect the polarity of the feeling of a message. By using this chatbot, you can engage in a conversation that detects whether you are happy or sad, according to your messages and responds appropriately to your messages.

# 2   A Brief Review of ChatBot-Tools

In this doccument we're going to work with Python 2.7.13 as programming language, using the libraries **Pattern** and **Natural Language Toolkit**.

Pattern gives us the necessary tools to execute the sentimental analysis of the messages that the ChatBot receives. NLTK(Natural Language Toolkit) is going to help us to work with human language data.