PROJECT PLAN MOFIO

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Project Overview

Mofio (a name that stands for My Own Friend Inside-Out) borns from the worldwide need of having a friend. According to WHO - World Health Organization - there are 322 million people suffering with the lack of vitality brought by depression. Here, 11 million brazilian citizens have depression, which means 5,8% of the whole population.

Researches prove that Social Media is adding to increase anxiety, depression and suicide - actually, suicide is currently the second leading cause of suicide around the world. So, Mofio comes to be a lifeboat. It plans to help people who are thinking about taking his own life away. The help is given by talking to these people and showing them are not alone.

Beyond interaction, Mofio is a tool for researching the causes behind social isolation, anxiety disorders (mainly under 21 years-old people), and other problems that can be identified during its operation.

Project Scope

The project is splitted into three parts: recognition of hate speech, the capability of learn and help the individual (talk to people) and provide data about mental disorders.

The recognition of hate speech will be implemented by using the concepts of natural language processing. It's quite important in the project because Mofio will become able to understand that it can't learn things like racism, homophobia, transphobia and etcetera.

The capability of learn and help people will come from Python's chatterbot library. It will take the tweet, process and give an effective answer. Also, it needs to use Twitter functions: retweet, follow and block (if it detects hate speech from an user).

Mofio is going to provide data on mental disorders (such as depression, anxiety and panic) and suicide for psychologists who are going to analyze these data and define actions to decrease the numbers of suicide attempts and deaths.

Major Software Functions

The Mofio's functionality might be splitted into two parts:

- Recognition of Hate Speech
- Talk to people
- Provide data
- 1- Recognition of Hate Speech -> it consists on analyze a tweet and classificate its content as a hate speech (racism, machismo, antihuman-rights speech, homophobia, etc.) or not.
- 2 **Talk to people** -> It consists on read the tweet of the user and give the best answer in order to help this user.
- 3 Provide data -> For each tweet, Mofio will analyze its content and will check the users symptoms, save that in a database and output some graphics with all data collected from a set of users. For example: How many people have ever thought about suicide and what age were them at that time? Those data will be shared with psychologists.

Deliverables

Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5
(1st	(2nd	(3rd	(4th	(5th
week)	week)	week)	week	week)
Define	<mark>Start</mark>	Contact	Check if	Test
which	building	some	Mofio is	Mofio
Python's	the	psychol ogists	able to	with a
libs	<mark>datab</mark> ase		detect	user and
will be needed	of tweets		homophob ia	get feedback

Bibliography

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