# Esplorazione dello stato mentale tramite tecniche di text mining nelle community online

## Tesi di Laurea in Ingegneria Informatica

**Candidato** 

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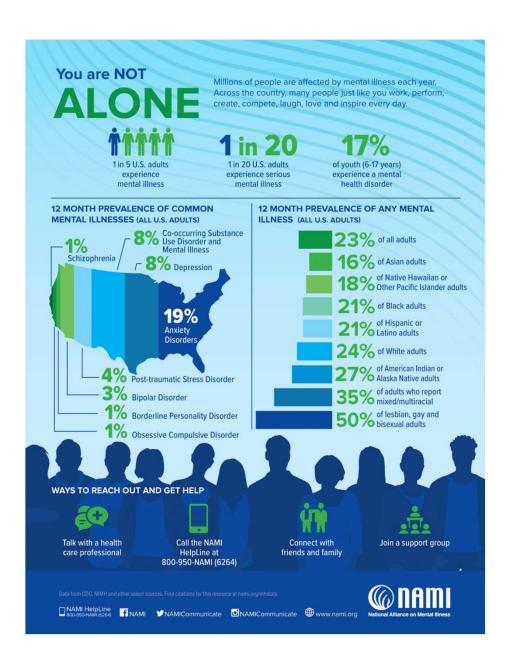
Relatori

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## Introduzione e Problema



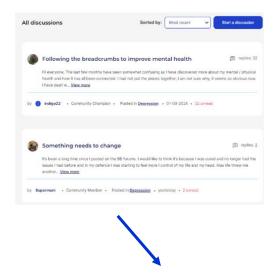
#### Introduzione

- Circa un quarto della popolazione adulta in USA soffre di malattie mentali.
- La depressione è la seconda malattia mentale più diffusa.

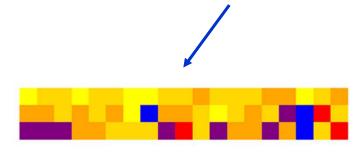
### **Problema**

 Costruire un andamento dello stato mentale di un utente all'interno di una community analizzando i post partendo dalle parole che usa.

- Web scraping per memorizzare all'interno del database i post degli utenti.
- Generazione di un dataset di parole target da ricercare all'interno del testo basandosi sul DMS-5.
- Text mining per analizzare ogni post, contando il numero di parole target all'interno per ogni livello di gravità.
- Data visualization per rappresentare l'andamento dello stato emotivo dell'utente tramite heatmap intuitive.



Hi therising, I think I need to, with help from the psychologist and those around me, understand who I am better and develop some comfort in who I am in relation to what you say because at the moment there is none of it at all and hasn't been for a very long time even if I have been able to manage it better in the past. Het different aspects of myself get way out of control for sure, for example the anxious side has that I haven't backed myself to feel comfortable in myself to trust myself to be "normal" around others and in relationships, some people say the anxiousness in relationships is probably because that person isn't the right person and you know it deep down but I don't feel that way. I feel that it's just me, it's part of who I am to be fearful to let myself fully go and not b) who I am or what I can offer. I've retreated inside myself more and more and I don't feel like even trying to get out of myself anymore, i really do see no light at the end of the tunnel at the end of the tunnel at the moment. Not sure if you had similar experiences but I constantly feel like I am getting the life sucked out of me, like a balloon deflating. Any little thing triggers this as well at the moment and I actually feel a physical unwillingness to get out of it, like mentally I want to try and pep myself up but physically I can't do it. Feels like event attempting it is like moving a mountain at the moment



 Analizzando i post, è stata confermata un'effettiva correlazione tra il numero di termini target utilizzato dagli utenti e la gravità del loro stato emotivo.

