**Basic Needs Basic Rights Kenya**

Around 1 in 4 people will experience a mental health problem this year. Low-income countries have an estimated treatment gap of 85% (as compared with high-income countries with a gap of 35% to 50%). While Kenya has a mental illness prevalence rate that is comparable to that of high-income countries, there are still less than 500 healthcare professionals serving the country.

In Kenya, there are growing concerns about mental health among young people, particularly university students that face a challenging and unique conflation of stressors that put them at risk of challenges like depression and substance abuse.

From the use of app-based solutions for screening to electronically delivered therapies, the use of technologies including machine learning and AI will potentially transform the delivery of mental health services in the coming years.

The objective of this challenge is to develop a machine learning model that classifies statements and questions expressed by university students in Kenya when speaking about the mental health challenges they struggle with. The four categories are depression, suicide, alchoholism, and drug abuse.

This solution will be used for a prototype of a mental health chatbot designed specifically for university students. This initiative is a first step in leveraging technology to make mental health services more accessible and more user-friendly for young people in Kenya and around the world.

[Basic Needs Basic Rights Kenya - Tech4MentalHealth](https://zindi.africa/competitions/predict-the-global-spread-of-covid-19/leaderboard)

[I was ranked 438 out of 501. My score is among the best 64.](https://zindi.africa/competitions/predict-the-global-spread-of-covid-19/leaderboard)

ended 10 months ago

**Built With**

* Python 3.7

**Get Started**

* Download Python and install
* Using ‘pip install command’ on command prompt, install numpy, pandas and any other libraries that may be requested
* Start python. In the python shell, click file and select open. Then, pick KenyaNBClassification.py and run