

## ABSTRACT

One of the most unstable form of currency in the modern era is cryptocurrency. Again, out of many crypto-currencies, bitcoin is often termed as the unstable currency of all. Now, predicting the future values of this bitcoin is a huge challenge, even now across the entire world. By our project, we have attempted to predict the future values of bitcoin using machine learning techniques. We have also included other machine learning concepts such as natural language processing and word cloud formations. We have achieved this by the help of python open source programming language with anaconda distribution. We have also included the sentiment analysis of twitter feed related to bitcoin and divided them into three potential categories using the text blob module provided in the python distribution. We have also managed to scrape the web and collect most relating terms to bitcoin and generate a word cloud out of it. We have also provided an option in which the user can have the predicted values and the prediction graph mailed to his mail-id. The GUI has been designed by taking extreme care, to be user friendly. For additional ease of access, a help index has also been provided. The GUI is all self-explanatory and easy to access.