

## Artificial Neural Network to identify language

- I have developed ANN model to detect three language English, French and Spanish.
- I used standard Wikipedia library to form dictionary of all three language by web scrapping.
- I have set limit of maximum length of word upto 12, my data preparation function scrape different articles in three language and collect words with the length less than 12. Then I have converted all string of words into vector of 0 & 1, which later I have feed into ANN model.
- For ANN architect, I have used Tensorflow and Keras with Sequential model.
- This model predict any single token(word) of three languages with high accuracy and good speed.

## References: -

Ham, T. (2018, August 9). *<https://medium.com/coinmonks/language-prediction-using-deep-neural-networks-42eb131444a5>*. Retrieved October 30, 2022.