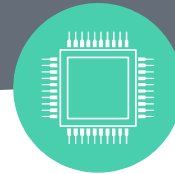




AI and Machine Learning

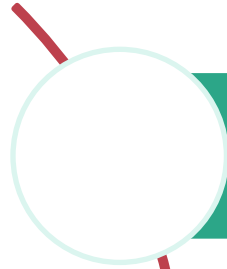
Genre Classification Project



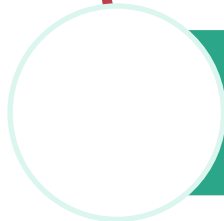
Students: Ali Al Moussawi – Mostafa Jaloul

Instructor: Dr. Ali Komati

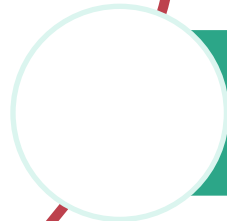
Agenda



Introduction



How all done?



Conclusion

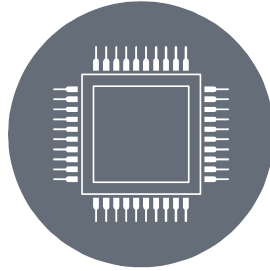
Introduction



Project IDEA

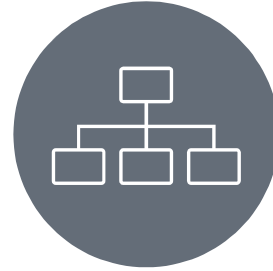
Music Genre Classification

Automatically classify
different musical genres.



PROCESSING

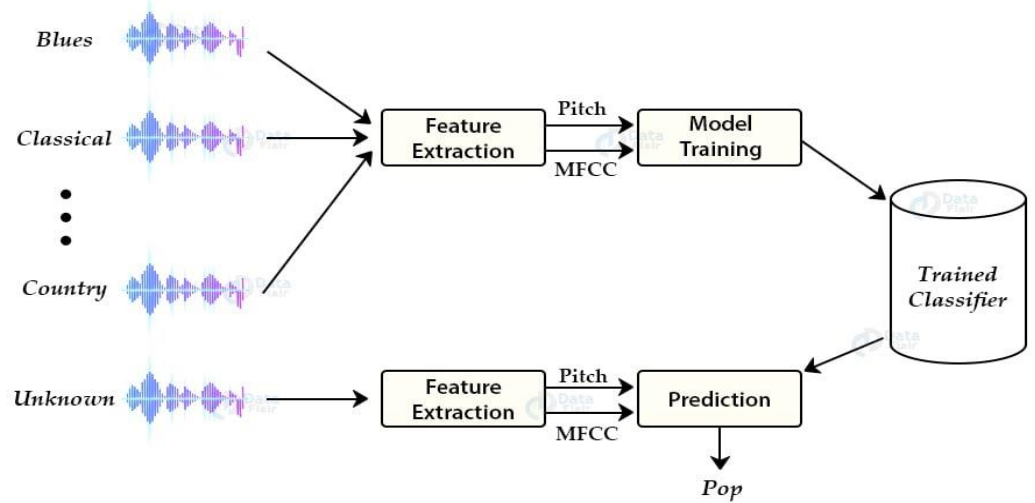
WE USE A DATASET
CONSIST OF 10 GROUP
OF GENRES CLASSES
WITH SIZE ABOUT 1
GEGA BYTE



TESTING

Download new music
from outside and test
our model.

How all done?



Work process

Download the training dataset Gtzan that consist of 10 different classes of music genres



Split the data into two parts: training and testing.



We download some models (knn – logistic expression) from internet.



Start training our models and save their state for future work, because we don't need to train our models every time. So, we saved them in pickles.

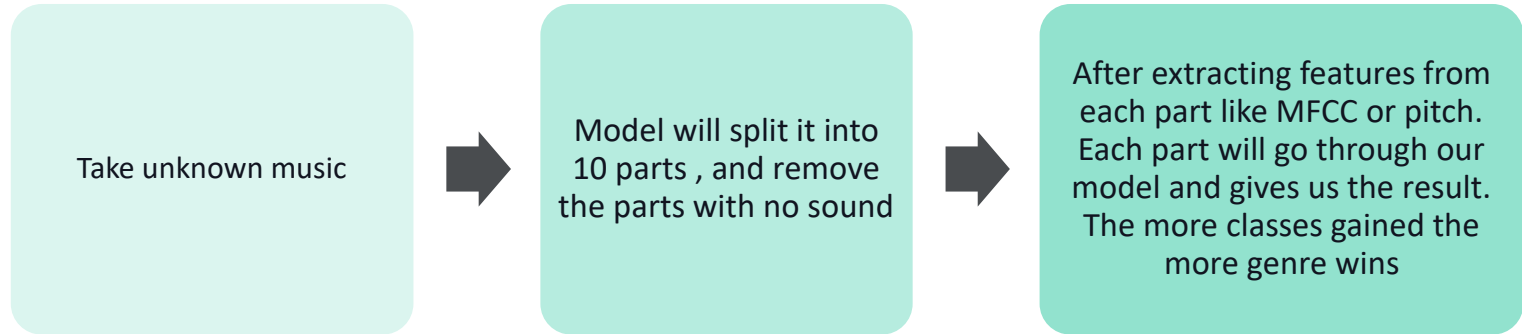


We worked on the frontend part using flask framework in python (we create a simple page that take input music and print the output on it).



Finally, to the testing part.

Testing part



Conclusion

So, we talk about what its music genre classifier, how it works, and how it classify our music's. Now, lets make a demo !

Thank you!

A teal gradient bar at the bottom of the slide, starting from a lighter shade on the left and becoming a darker teal on the right.