How to run “ML_Project_Clean.ipynb” file on our dataset

1. Create new folder with name “**a**” inside of the bin folder in Google Collab.
2. Upload the train dataset, called “Project_data_final.mid” into the “**a**” folder.
3. Create new folder with name “**m**” inside of the bin folder in Google Collab.
4. Upload the train dataset, called “Project_data_final.mid” into the “**a**” folder.
5. Hit Run all

How to run “NN_and_Logistic_Music_Generation.ipynb” file on our dataset

6. Create new folder with name “**data**” inside of the bin folder in Google Collab.
7. Upload the train dataset, called “Project_data_final.mid” into the “**data**” folder, this dataset is further divided into test and train parts.
8. Create new folder with name “**Armenian_anthem_notes**” inside of the bin folder in Google Collab.
9. Upload the notes midi file called «**ՀԽՍՀ_հիմն_վերջնական.mid**» inside of the “**Armenian_anthem_notes**” folder, please notice that this dataset contains only the notes, which need to be harmonized, in other words this is not the test dataset but rather it is to see the usage of our program.
10. Lastly, just hit Run All button and see the results.
11. Inside of the “**Content**” folder you will find the prediction output for the Armenian National Anthem (**ՀԽՍՀ_հիմն_վերջնական.mid**), just download and listen. There will be 2 files, one called “**Logistic_Regression_predicted_anthem.mid**”, and the other one called “**RNN_anthem_predicted.mid**”

12.