**AAI-511 – Team Project Status Update Form**

Fill out this form and submit it by the end of Module 4 in Canvas.

Team Number: 8

Team Leader/Representative: Aaron Ramirez

**Full Names of Team Members:**

1. Aaron Ramirez

2. Elan Wilkinson

3. Bhupal Lambodhar

**Title of Your Project:**

Music Composer Predictor

**Short Description of Your Project and Objectives:**

Music has sucgh a variety of different genres and sounds associated with it. Composer have created music with their unique style and compositions. Identifying the composer for any music an be a chanllenge. This project is aimed to use deep learning techniques to identify the composer of a given piece of music accurately.

The plan is to use a CNN with LTSM. The main library we are using will be pretty\_midi for processing. Memory and power usage can be an issue so we will have to use conservative techniques to be to process and get results.

**Description of Your Selected Dataset (data source, number of variables, size of dataset, etc.):**

Data source is from kaggle. There are over 3900 midi files from all classical composers. Some of the more popular artist like Bach, Beethoven, Mozart and Tchaikovsky. The data itself are midi files. We will use the pretty\_midi library to process the files.

**Are you using and practicing GitHub as a code hosting platform for version control and collaboration? If yes, provide the link here**:

<https://github.com/elan-wilkinson/Musical-Composer-Prediction-Grp8>

\*The Github is private so it might not be seen

**How many times have your members met in the last two weeks?**

1 time but have been messaging consistently throughout the week for the project.

List the specific contributions that each team member is providing for the Final Team Project in the table below.

* **NOTE:** ALL students on the team should contribute equally to the Final Team Project.

|  |  |  |
| --- | --- | --- |
| Team Member 1 (Aaron Ramirez) | Team Member 2 (Elan Wilkinson) | Team Member 3 (Bhupal Lambodhar) |
| Created the Project Status Form  Reviewed initial code  Set out plan for the code  Review EDA  Set up meeting time  Leading Preprocessing  Leading report writing | Created Github link  Created initial code  Reviewed plan  Reviewed status form  Create ReadMe  Leading EDA portion  Reviewing Paper writing  Leading Feature Engineering | Reviewed status form  Reviewed initial code  Reviewing preprocessing  Reviewing EDA  Reviewing Preprocessing  Leading Code integration  Leading Modeling  Review report writing |

Comments/ Roadblocks: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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