Individual Project Report

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Individual Work

- Researched on the topic, mainly by reading this great source.

- Came up with the network architecture, training and generator functions.

- Wrote all the code located in the main `code` file apart from `combine.py`.

- Helped write and revise the project proposal.

- Wrote the *Encoding*, *Network Architecture*, *Training* and *Generator* sections on the project report, and reviewed and improved the other sections.

- Designed the slides in LaTeX and filled up the *Introduction*, *Data* and *Encoding* sections.

- Experimented with the networks and generated some music, located in `results` as well as on the main `generated-music` folder.

- Organized the repo and documented most of the repo.

Percentage of non-self written code

- `Data_Preprocessing.ipynb`: 0%. I referred to the `music21` documentation, but I did not copy any code as it was in there, just played with my own cases and with what was relevant for the project.

- `encoder_decoder.py`: 0%.

- `eval_processor.py`: 0%

- `multi_many_hot_encoder_decoder.py`: 0%

- `training_many_deff.py`: 2.4%. I used this to walk the data/classical subdirectory, and followed this for the general structure of the architecture and training code, although heavily modified.

- The rest of the scripts would be the same as this last one, so about the same percentage.