CENG 796 - Peer-review form

Reviewed project ID: Group **01**

Reviewed project's title (title of the paper): It's Raw! Audio Generation with State-Space Models

Reviewer name(s): Egemen Sert

Instructions:
- Answer = *Yes*, *No* or *Partial*.
- You may expand sections as necessary.
- For most questions, you do not need to add comments, unless the instructions tell you otherwise.
- "Notebook" refers to "Jupyter Notebook" file that is expected to be named as main.ipynb

Question	Answer	Comments
Contains a jupyter notebook file	Yes	
Notebook is located at <project_root>/main.ipynb	Yes	
Notebook's first section contains paper information (paper title, paper authors, and project group members' name & contact information) Some good examples: see group03, group10, group11 (and a couple of other groups).	Yes	Includes all the details except members' contact information.
Notebook contains a section for hyper-parameters of the model.	Yes	
Notebook contains a section for training & saving the model.	Yes	
Notebook contains a section (or a few sections) for loading a pre-trained model & computing qualitative samples/outputs.	Yes	
Notebook contains reproduced plots and/or tables, as declared.	Yes	
Notebook contains pre-computed outputs.	Yes	

Data is included and/or a proper download script is provided.	Yes	
Notebook contains a section describing the difficulties encountered.	Yes	*Explain anything that looks ambiguous, hard-to-understand, etc. in this section.*
The paper has achieved its goals and/or explained what is missing.	Yes	Group obtained a good performance on MNIST and were able produce sound resembling piano. They could not achieve the goal they've set (Goal NLL=1.294, Obtained=5.192); however, given the complexity of the task, we believe this is major progress. Group also reported a future work to improve results.
The notebook contains a section that reproduces the figure(s) and table(s) declared in the goals.	Yes	
The notebook also reports the original values of the targeted quantitative results, for comparison.	Yes	
MIT License is included.	Yes	
As the reviewer(s), you have read the paper & understood it.	Yes	
Implementation of the model seems correct.	Yes	Could not find any bugs. Also really like how residual connections are turned into a block by inheriting sequential class (block.py:19, 42).
Notebook looks professional (in terms of notation, readability, etc.)	Yes	*Please add your suggestions.*
Source code looks professional (in terms of coding style, comments, etc.)	Yes	

Additional comments:

Please write any suggestions that can content-wise and/or aesthetically improve the notebook or the source code.

You may also add your lengthy comments (eg. mathematical problems that you have found in the implementation) here, and, refer to this text in your comments above.