**MET CS 664-A1 Fall 2020**

**Artificial Intelligence**

**Semester Design and Implementation Project Status Report**

(November 20 2019)

Name: Machida Hiroaki

Project Title: Answer to “Meaning of Life” by RNN Language Model

Have you had a chance to work on your project? (This will not impact your grade) Yes

Are you happy with your choice of project? Yes

Do you want to change your project in purpose or scope? No

Describe what you were able to achieve this past week:

The project is about generating an answer to the question, “meaning of life” by training an NLP model with texts from the textbook. There is an open source that can be referenced.

I created a train data from the textbook, and confirmed the answer can be generated by the reference open source with a model trained 1 epoch, that is supposed to be trained 40 epochs. The implementation from scratch is still in progress.

Tasks to be done are to run the training on a GPU machine to improve the model, to complete the implementation from scratch, and to write a report.

Output of text generation with a model trained 1 hour on CPU

Text

Description automatically generated

Project Depth: (Have you found the project to be constrained enough to finish this semester) Yes

Confidence: Rate your confidence in your ability to finish this project by the end of the semester:

(Circle one)

No Way 1 2 3 4 5 6 7 ⑧ 9 10 Already Done

Do you need a consultation with me regarding your project? No

Implementation Problems: (Describe problems you have encountered)

Not much. Converting the text on the textbook to a train data took time more than expected because many processes required such as replacing all the capital characters with small ones, periods with linefeeds, numbers with specific characters, etc.

Additional Issues? (Describe any issues you may have, if this is a group project discuss team dynamics)

GPU is available on Google Colab, but it seems to be used on Jupyter Notebook, and it is not still confirmed that the python modules can run on Jupyter Notebook.