Assignment Instructions for COMP 767

1 General Instructions

- **Code of Conduct:** Please read McGill's code of conduct for general instructions (plagiarism, cheating, harassment, etc). Any violation would be taken seriously and dealt according to McGill's policies.
- **Deadlines:** The deadlines for every assignment would be posted on the assignment and website. The deadlines are **hard** and late submissions are subjected to penalty.
- **Groups:** Every assignment can be solved individually or in groups of a maximum of 2 members.
- **Contributions:** Every submission should include a contribution section which contains the contribution details of each individual in a team. This will be used to grade individuals in the group submission.
- **Submission:** Assignment *must* be uploaded as **one zip file** to *MyCourses*. In case of group submission, one upload by either of the team members is enough.
- **Reproducibility Checklist:** Your submission must to be accompanied by a reproducibility checklist.

2 Instruction for Theoretical Questions

- Theoretical questions are to be submitted in a single PDF file. You *must* use latex to type your answers. Handwritten solutions are not considered as a part of submission, simply to avoid confusion and for clarity.
- **Clarity in Proofs:** Every assumption, standard result, etc used in your proof must be stated and explained well. Also, transition between the mathematical steps must be complemented with explanations where necessary.
- **Submission:** Include your full name, McGill ID, email ID (details of both the team members must be included in the case of teams) at the beginning of your PDF.

3 Instructions for Coding Questions

- **Programming Language:** The solution to the coding questions *must* be in *Python only*. You *must* use python 3+.

- **Google Colab:** You must submit Google Colab notebook for coding questions. Submit the entire notebook with runtimes along with the link to your colab notebook as a part of your submission.
- **Frameworks:** You may use either Tensorflow or PyTorch machine learning frameworks if required.
- **Comments:** Your code *must* be commented in detail where required (For example, explanation of algorithms, etc).
- **Reproducibility:** Reproducibility is key to ensure we can run your code and reproduce the same results that you see. Read Henderson et al., 2018 for evaluation standards and reporting the results. Follow them in your assignments.
- **Presentation, Plots:** We require the performance plots for each coding questions along with the mandatory plots if asked in the question. However, this is only a minimum requirement. Please use your creativity to generate additional plots to demonstrate the utility of a particular algorithm where required. The more plots, the merrier!
- **Submission:** Include your full name, McGill ID, email ID (details of both the team members must be included in the case of teams) at the beginning of your colab notebook.

References

Henderson, Peter et al. (2018). "Deep reinforcement learning that matters". In: *Thirty-Second AAAI Conference on Artificial Intelligence*.