Semester Project Rubric

CS584: Deep Learning

Spring 2020

Each entry in this rubric is evaluated on a scale from 1 to 10, where 1 is fair and 10 is excellent, so higher numbers are better.

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1. The presentation clearly describes and motivates the problem addressed by the project.

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2. The presentation explicitly explains why a deep learning approach is appropriate for this problem.

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3. The presentation clearly describes the goal and outcome of the project and explicitly distinguishes the presenters' work from from previous work.

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4. The presentation shares the successes, failures, and other takeaways from the project, including unexpected outcomes and any societal concerns of deep learning for this problem.

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5. The presentation includes figures, tables, and/or other materials to communicate information effectively. All figures, tables, and other materials in the presentation are legible and were made by the presenters.

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6. The presentation is polished with (almost) no typos or other aesthetic issues.

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7. The presentation is no longer than 3 minutes, and the presenters use their limited time effectively.

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8. The work described in the presentation is appropriate for the number of students on the project.

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9. The paper has a title, author list, and abstract; introduction, methods, results, and discussion sections; and references.

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10. The paper clearly describes and motivates the problem addressed by the project.

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11. The paper explicitly explains why a deep learning approach is appropriate for this problem.

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12. The paper clearly describes the goal and outcome of the project and explicitly distinguishes the authors' work from previous work.

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13. The paper cites previous and related work as appropriate.

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14. The paper clearly and rigorously describes the authors' methods.

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15. The paper describes working methods that were used actually used in the project even if the originally intended methodology was unsuccessful.

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16. The paper includes adequate information to reproduce the authors' analysis.

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17. The paper includes code for the authors' methods with their submission or as a public repository.

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18. The paper includes mathematical notation as appropriate.

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19. The paper uses appropriate evaluation metrics to evaluate the authors' approach and explains why those metrics are appropriate.

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20. The paper describes results for the methods that were actually used in the project even if the originally intended methodology was unsuccessful.

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21. The paper compares against existing approaches or baseline models as appropriate.

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22. The paper draws appropriate conclusions from its results and describes future work that others may consider undertaking.

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23. The paper may share the successes, failures, and other takeaways from the project as well as unexpected outcomes, but it presents a clear narrative for the reader.

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24. The paper explores any societal concerns of deep learning for this problem.

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

25. The paper includes figures, tables, and/or other materials to communicate information effectively. All figures, tables, and other materials in the paper are legible and were made by the presenters.

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26. The paper is polished with (almost) no typos or other aesthetic issues.

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27. The paper uses IEEE's LaTeX conference template: `https://www.ieee.org/conferences/publishing/templates.html`.

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28. The paper is between 4 pages and 4.5 pages, including the title, authors, abstract, figures, and tables but excluding the references.

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29. The work described in the paper is appropriate for the number of students on the project.

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30. The students shared their slides, paper, and any related materials with the instructor before Tuesday, April 28, 2020 at 9:00am ET using the submission form on the course webpage (or by email if you have problems with the submission webpage). Late submissions will not be accepted.

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