Project Competition Rules

To raise the stakes and add some fun, there will be a competition for the best predictions across both sections of this course. The members of the winning team will receive a 15-point credit on the presentation assignment. Second to eighth place will receive 10, 8, 6, 4, 3, 2, and 1 points in credit. Total score is not capped, i.e., the credit might result in some teams with more than 100% on the presentation, with the corresponding impact on the final course grade. Team ranking will be determined based on prediction accuracy on the unlabeled data.

Accuracy = (CorrectPositives + CorrectNegatives) / TotalObservations

Your final prediction accuracy will be calculated from your delivered prediction file. Make sure you use the last names of all team members, sorted alphabetically, as the filename with a csv extension. Make sure your prediction file is formatted per specification; header:

```
SAMPLING_EVENT_ID,SAW_AGELAIUS_PHOENICEUS
```

followed by lines with this format:

```
sampling-event-id,prediction
```

where prediction is either 1 or 0. Value 1 indicates that the bird sighting was predicted for that session and 0 indicates the opposite. There must be one line for each and every respective line in the unlabeled input file. Make sure that the predictions are saved in the same order as the lines in the unlabeled input file.

These formatting rules are strict for both grading your homework and determining the competition winner. To assist you in validating and tuning your model and also making sure your prediction file format is correct, a simplified version of the scoring program is attached here and also available in Blackboard/Bottlenose. You may use and modify this code but, as written, it represents the de facto scoring algorithm.

We would like to see the top 8 winners demonstrate their project programs performing the model building and prediction. This will take place outside of class in a scheduled 10-15 minute meeting during the week of December 12. At least one team member must attend and demonstrate the project from source code build through predicting the unlabeled data. It would be most efficient if these tasks were automated with a Makefile or Gradle build script.

In order to accommodate those of you leaving early for break, if there are no team members available to demonstrate the project, you may alternatively deliver a fully-configured, fully-documented, simple script(s), or set of Makefile tasks, to execute. These must build everything from source, execute the model building program on the labeled data, and predict the unlabeled data. We will try our best but there are no promises that we will successfully build and execute your project programs in your absence so make sure not to leave anything ambiguous in the process or documentation.

In the unfortunate case that a top team is unable to demonstrate their project, they will vacate their position and all lower scoring teams will rise one place and a new team will move into 8th place. Being unable to demonstrate your project does not affect your presentation score, just your qualification to receive extra credit points.

Have fun. Good luck. Ask any clarification questions on Piazza.