| 1. | Can H2O's GBM implementation work across multiple nodes (i.e. multiple computers, in a cluster)? | 1 point |
|----|--|------------|
| | No, it only works on a single node, and you need to use random forest for clusters. | |
| | Yes, though very deep trees can cause communication overhead to become high. | |
| | Yes, though it becomes unstable if you set ntrees to over 50. | |
| | | |
| 2. | Bagging is (check all that can fit) | 1 point |
| | making new models that are influenced by the errors from previous models. | |
| | ✓what random forest uses. | |
| | combining (e.g. averaging) the predictions of lots of models. | |
| | what GBM uses. | |
| | | |
| | 3. Boosting is (check all that can fit) | 1 point |
| | what GBM uses. | |
| | | |
| | what random forest uses. | |
| | making new models that are influenced by the errors from previous models. | |
| | combining (e.g. averaging) the predictions of lots of models. | |
| | 4. "This change is likely to improve GBM model generalization, though you may need to increase the ntrees, to compensate." | to 1 point |
| | Which of the following best fits that description? | |
| | (Hint: looking up parameters in the Appendix A of the H2O manual (| |
| | http://docs.h2o.ai/h2o/latest-stable/h2o-docs/index.html) | |
| | | |
| | , or reading the GBM booklet (| |
| | http://docs.h2o.ai/h2o/latest-stable/h2o-docs/booklets/GBMBooklet.pdf [PDF]) | |
| | , can help you answer this question.) | |
| | Decreasing min_rows from 10 to 5. | |
| | Experimenting with nbin_cats. | |
| | Decreasing learn_rate from 0.1 to 0.02. | |
| | Decreasing max_depth from 5 to 3. | |
| | ☐ Increasing max_depth from 5 to 10. | |
| | | |