Project phase 2

[MJT: Matus Telgarsky]

1 Selected paper

[MJT: These three items follow the phase 1 handin.]

1. “Margins are Insufficient for Explaining Gradient Boosting”.
3. https://arxiv.org/abs/2011.04998v1  [MJT: Please include arXiv version numbers, as I have done; this way I can click and get exactly the same paper as you.]

2 Summary

[MJT: 1-2 paragraphs.]

3 Related work

[MJT: Place this paper in context with course lectures (refered to via the typed notes, ideally) and with prior work. For prior work, please make proper use of bibtex.]

4 Pros and Cons

[MJT: Useful to have something like this when reviewing for conferences/journals.]

5 Mathematical techniques

[MJT: Please give a high level summary of the mathematical techniques/approaches in the paper, and include at least one rigorous derivation. For the rigorous part, it’s okay if it’s just some random lemma, but try to make it useful to yourself and not merely something to get full points. E.g., if there is some random part of a random proof that is surprising and seems like it shouldn’t work at all, include it.]

6 Miscellaneous

[MJT: This section is optional: place here any things you find interesting but don’t fit anywhere else. I will read it but not use it when grading. Just try to make this project useful to yourself, not to me; ideally, in the future, you’d have some value in returning to this writeup.]

[MJT: Your writeup should only use pages 3 and higher for references, and pages 1-2 for everything else. The longest part should be the “Mathematical techniques” part.]

References

[MJT: You should delete this subsection and explicitly invoke bibtex; I’ve included the appropriate incantations in \texttt{\LaTeX} comments. Please have at least one explicit reference excluding the paper you cover.]