Errata for Kobzar, Kohn, and Wang, New Potential-Based Bounds for Prediction with Expert Advice, *Proceedings of the 33rd Annual Conference on Learning Theory (COLT)*, PMLR 125:2370-2405, 2020

May 7, 2021

p. 4, penultimate line: replace "bound" with "bounds"
p. 6, line 7 from the bottom:[1] delete "to"
p. 7, line 14 from the top, replace $\max_i x$ with $\max_i x_i$
p. 7, line 20 from the top (equation (7)) replace $\max G_i$ with $\max_i G_i$
p. 8, line 8 from the top: delete "the " before a^c
p. 8, line 13 from the top (Example 2): replace $\max G_i$ with $\max_i G_i$
p. 8, footnote 8 replace "Lemmas" with "Lemma"
p. 9, lines 4 and 5 from the top (Example 3) replace $\max G_i$ with $\max_i G_i$
p. 10, line 2 from the bottom: delete "as"
p. 15, line 11 from the top: replace sup with inf
p. 15, line 11 from the bottom: replace "oroof" with "proof"
p. 24, last paragraph of Appendix G.1: replace
$i \geq j \geq l$, then $x_{(i)}+x_{(j)}-2\max_{k\neq i,j}(x_{(k)}-z_{(k)}) \geq x_i+x_l-2\max_{k\neq i,l}(x_{(k)}-z_{(k)})$
with
$i \leq j \leq l$, then $x_{(i)}+x_{(j)}-2\max_{k\neq i,j}(x_{(k)}-z_{(k)}) \geq x_{(i)}+x_{(l)}-2\max_{k\neq i,l}(x_{(k)}-z_{(k)})$
p. 31, line 8 from the top: replace "Thus, we can assume p_k is the smallest set contained in R" with "Thus, we can let p_k be such a set contained in R with the smallest k"

[1] In this errata, for purposes of corrections in the main body of the article, we do not count the lines comprising the footnotes

p. 32, line 3 from the top: between “strictly bigger” and “which is a contradiction” insert “than the original cut (which does not divide 1 and 2)”
p. 32, line 8 from the top: move “Also denote $T(A, B)$ as the total weights of edges between A and B.” to p. 31 as the first full sentence. On p 32 replace the aforementioned sentence with “By Lemma 9, the maxcut of $\{1, 2, ..., N\}$, has the form $\{1\} \cup S_1, \{2\} \cup S_2$).”
p. 32, line 9 from the top: replace $\sum_{i=3}^{N} a_i$ with $\sum_{i=2}^{N} a_i$
p. 32, line 11 from the top: replace $2 \leq i \leq [\frac{N}{2}]$ with $1 \leq i \leq [\frac{N}{2}]$
p. 32, line 13 from the top: replace $4Ma_{2k}$ with $4Ma_{2M}$
p. 36, line 3 from the top: replace “ Radamacher” with “ Rademacher”