

Search or Article-id

(Help | Advanced search) arXiv.org > math > arXiv:1305.4825 All papers Go! -Mathematics > Statistics Theory Download: PDF Learning subgaussian classes : PostScript Other formats Upper and minimax bounds Current browse context: math.ST Guillaume Lecué, Shahar Mendelson < prev | next > new | recent | 1305 (Submitted on 21 May 2013) Change to browse by: We obtain sharp oracle inequalities for the empirical risk minimization math procedure in the regression model under the assumption that the target \$Y\$ stat and the model \$\cF\$ are subgaussian. The bound we obtain is sharp in the minimax sense if \$\cF\$ is convex. Moreover, under mild assumptions on **References & Citations** \$\cF\$, the error rate of ERM remains optimal even if the procedure is allowed NASA ADS to perform with constant probability. A part of our analysis is a new proof of minimax results for the gaussian regression model. Bookmark(what is this?) 📃 🛈 X 🔜 🖬 🖬 🚽 📆 🧐 Comments: learning theory, empirical process, minimax rates Science WISE Subjects: Statistics Theory (math.ST) Cite as: arXiv:1305.4825 [math.ST]

Submission history

From: Guillaume Lecué [view email] [v1] Tue, 21 May 2013 14:02:51 GMT (29kb)

Which authors of this paper are endorsers?

(or arXiv:1305.4825v1 [math.ST] for this version)

Link back to: arXiv, form interface, contact.