



THE UNIVERSITY OF
CHICAGO

DEPARTMENT OF STATISTICS &
DEPARTMENT OF COMPUTER SCIENCE
5734 SOUTH UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637

TELEPHONE: 773-702-3813
WEB: WWW.STAT.UCHICAGO.EDU

JOHN D. LAFFERTY
LOUIS BLOCK PROFESSOR

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To the Editors:

We would like to submit the manuscript “Faithful variable selection for high dimensional convex regression” for review and possible publication in *The Annals of Statistics*. This paper develops a new procedure based on additive models for variable selection in high dimensional convex regression, shows that the procedure yields no false negatives in the population setting, and gives a finite sample statistical analysis.

The manuscript is 29 pages including references, and we have prepared a supplement with full proofs of all of the technical results. No version of this paper has been previously published in any form.

As possible expert reviewers, we suggest Adityanand Guntuboyina (Berkeley), Richard Samworth (Cambridge), Bodhisattva Sen (Columbia) and Ming Yuan (Wisconsin).

Sincerely,



John Lafferty