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dimensional  
Ising  
model  
selection  
using  
 $\ell_1$ -  
regularized  
logistic  
regression

Pradeep  
Ravikumar,  
Martin J.  
Wainwright,  
John D. Lafferty

*(Submitted on 2  
Oct 2010)*

We  
consider  
the  
problem  
of  
estimating  
the  
graph  
associated  
with a  
binary  
Ising  
Markov  
random  
field. We  
describe  
a  
method  
based  
on  
 $\ell_1$ -  
regularized