

Yufeng Liu Publications

Journal Articles

Liu, Yufeng and Dean, Angela M. (2004). k -circulant supersaturated designs. *Technometrics*, 46(1): 32-43.

Liu, Yufeng, Shen, Xiaotong and Doss, Hani (2005). Multicategory ψ -learning and support vector machine: computational tools. *Journal of Computational and Graphical Statistics*, 14, 1, 219-236.

Liu, Yufeng and Shen, Xiaotong (2006). Multicategory ψ -learning, *Journal of the American Statistical Association*, 101, 474, 500-509.

Liu, Yufeng and Wu, Yichao (2006). Optimizing ψ -learning via mixed integer programming, *Statistica Sinica*, 16, 2, 441-457.

Liu, Yufeng, Ruan, Shiling and Dean, Angela M. (2006). Design and analysis of E_s^2 efficient supersaturated designs. *Journal of Statistical Planning and Inference*, 137, 5, 1516-1529.

Li, Youjuan, Liu, Yufeng and Zhu, Ji. (2006). Quantile regression in Reproducing Kernel Hilbert Spaces. *Journal of the American Statistical Association*, 102, 477, 255-268.

Liu, Yufeng, Zhang, Hao Helen, Cheolwoo Park, and Jeongyoun Ahn (2007). Support Vector Machines with adaptive L_q penalties. *Computational Statistics and Data Analysis*, 51, 12, 6380-6394.

Wu, Yichao and Liu, Yufeng (2007). Robust truncated-hinge-loss support vector machines. *Journal of the American Statistical Association*, 102, 479, 974-983.

Liu, Yufeng and Wu, Yichao. Variable selection via a combination of the L_0 and L_1 penalties. *Journal of Computational and Graphical Statistics*, to appear.

Wang, Junhui, Shen, Xiaotong, and Liu, Yufeng. Probability estimation for large margin classifiers. *Biometrika*, to appear.

Wu, Yichao and Liu, Yufeng. Variable selection in quantile regression. *Statistica Sinica*, to appear.

Alcorta, David, Barnes, Debra A., Dooley, Mary Anne, Sullivan, Pamela, Jonas, Beth, Liu, Yufeng, Lionaki, Sofia, Reddy, Claire B., Chin, Hyunsook, Dempsey, Adam A., Jennette, J. Charles, and Falk, Ronald J. (2007). Leukocyte Gene Expression Signatures in Antineutrophil Cytoplasmic Autoantibody (ANCA) and Lupus Glomerulonephritis, *Kidney International*, to appear.

Conference Proceedings

Liu, Yufeng (2007). Fisher consistency of multiclass support vector machines. Proceedings of the Eleventh International Workshop on Artificial Intelligence and Statistics, 289-296.

Liu, Yufeng, Zhang, Helen Hao, Park, Cheolwoo, and Ahn, Jeongyoun. The L_q support vector machine. *Proceedings of the Joint Summer Research Conference on Machine and Statistical Learning: Prediction and Discovery*, to appear.

Wu, Yichao and Liu, Yufeng. On Multiclass Truncated-Hinge-Loss Support Vector Machines. *Proceedings of the Joint Summer Research Conference on Machine and Statistical Learning: Prediction and Discovery*, to appear.