Final Paper Presentation

For your final presentation, please pick one from the following papers. You will have about 20 minutes to presentation the paper to the class. In the presentation, please clearly answer: (1). What is the main problem the paper trying to address? (2) What is the proposed solution? (3). What are the potential applications of the proposed method? (4). Propose one or two possible topics/questions for future research in this area. Please submit the presentation with a summary report (4 to 6 pages) by Wednesday, May 6. Here are the titles of the papers.

1. Efron (2014). Estimation and Accuracy after Model Selection. *J Am Stat Assoc*, Vol. 109, pp. 991 – 1007.

2. Efron, Hastie, Johstone, and Tibshirani (2004). Least Angle Regression. *Ann Stat*, Vol. 32, pp. 407 – 499.

3. Fan and Li (2001). Variable Selection via Nonconcave Penalized Likelihood and Its Oracle Properties. *J Am Stat Assoc*, Vol. 96, pp. 1348 – 1360.

   pp. 2107 – 2143.

4. Hall and Miller (2009) Using Generalized Correlation to Effect Variable Selection in Very High Dimensional Problems. *J Comput Graph Stat*, Vol. 18, pp. 533 – 550.

5. He, Fung and Zhu (2005). Robust Estimation in Generalized Partial Linear Models for Clustered Data. *J Am Stat Assoc*, Vol. 100, pp. 1176 – 1184.

6. Racine and Li (2004). Nonparametric Estimation of Regression Functions with Both Categorical and Continuous Data. J Econometrics, Vol. 119, pp. 99−130.

7. Lin and Carroll (2001). Semiparametric Regression for Clustered Data Using Generalized Estimating Equations. *J Am Stat Assoc*, Vol. 96, pp. 1045 – 1056.

8. Qu, Lindsay and Li (2000). Improving Generalised Estimating Equations Using Quadratic Inference Functions. *Biometrika*, Vol. 87, pp. 823 – 836.

9. Wang (2003). Marginal Nonparametric Kernel Regression Accounting for Within-Subject Correlation. *Biometrika*, Vol. 90, pp. 43 – 52.

10. Yao (2005). Functional Data Analysis for Sparse Longitudinal Data. *J Am Stat Assoc*, Vol. 100, pp. 577 – 590.