GRADUATE SEMINAR

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Model selection and checking for longitudinal data

MSc Student supervised by Dr. Yang Zhao

Monday, April 6th
10:00 AM
Math Lounge (CW307.20)

Abstract: The generalized estimating equation (GEE) approach is a widely used statistical method in the analysis of longitudinal data. Pan (2001) proposed model selection method for GEE called quasi- likelihood under the independence model criterion (QIC) and covariates selection (QICu). Zheng (2000) also introduced alternative way called Marginal R square to select the reasonable covariates. Park (2004) proposed a graph diagnostic to check the model adequacy. In this seminar, I demonstrate how to use those methods to select the most reasonable covariates and use QIC to select working correlation structure through real data example called root mass study.

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Mathematics and Statistics