

Risk Factors Associated with Low Infant Birth Weight

Summary: The data on 189 births were collected at Baystate Medical Center, Springfield, Mass. during 1986. The dataset contains an indicator of low infant birth weight as a response and several risk factors associated with low birth weight. The actual birth weight is also included in the dataset.

Data description: The dataset consists of the following 10 variables:

- *low*: indicator of birth weight less than 2.5kg
 - *age*: mother's age in years
 - *lwt*: mother's weight in pounds at last menstrual period
 - *race*: mothers race ("white", "black", "other")
 - *smoke*: smoking status during pregnancy
 - *ht*: history of hypertension
 - *ui*: presence of uterine irritability
 - *ftv*: number of physician visits during the first trimester
 - *ptl*: number of previous premature labours
 - *bwt*: birth weight in grams
1. Present descriptive statistics of the sample and describe them
 2. Provide exploratory bivariate analysis for risk factors of low birth weight
 3. Provide a multivariate logistic regression model of risk factors of low birth weight
 4. Interpret your findings in bivariate analysis and multivariate analysis