

The dataset *lowbwt.xlsx* contains information from a sample of 100 low birth weight infants born in two teaching hospitals in Boston, Massachusetts.

Variable	Description
sex	Sex of the baby (Male, Female)
momage	Mother's age (years)
gestage	Gestational age at time of birth (weeks)
length	Length of the baby (cm)
birthwt	Birth weight of the baby (g)
headcirc	Baby's head circumference (cm)
sbp	Baby's systolic blood pressure (mmHg)
apgar	Apgar score (integers, min=0, max=10). This is a scoring system used for assessing the clinical status of a newborn. It comprises 5 components: (1) color, (2) heart rate, (3) reflexes, (4) muscle tone, and (5) respiration, each given a score of 0, 1, or 2. Thus, this measure ranges from 0 to 10. A total score of 7 or higher is generally normal, 4-6 is low, and 3 or below is critically low.
apgarlow	Categorizes the Apgar score into two categories: Normal (7-10) or Low (0-6).
apgar3	3-category variable indicating either Normal (7-10), Low (4-6), or Critically Low (0-3) Apgar score.
toxemia	Mother's toxemia diagnosis (No, Yes). Generally, a toxemia diagnosis means pregnancy-induced hypertension.
hemorrhage	Germinal matrix hemorrhage (No, Yes). This is a type of brain bleed in a premature baby.
gestage3	3-category variable indicating either Preterm (32-36 weeks), Very preterm (28-31 weeks), or Extremely preterm (<28 weeks) gestational age.
verypre	Indicator variable for "Very preterm" category in gestage3 (1="Very preterm", 0 otherwise)
extpre	Indicator variable for "Extremely preterm" category in gestage3 (1="Extremely preterm", 0 otherwise)