Assignment

Can we conclude that infants born at a low income area clinic, on the average, tend to be lighter than those born at a clinic serving a high-income population area? Within the past month, a student has collected data on birth weights (grams) from a random sample of 80 deliveries at a highincome population serving clinic (High) and 100 deliveries at a low income population serving clinic (Low). The relevant information is summarized below in the table. Let alpha equal 0.05.

1. State the null and alternative hypothesis. (3)

2. State the decision rule (2)

3. Calculate the value of the test statistic (6)

4. State the statistical decision (3)

5. Report the p value (2)

6. State the practical conclusion (4)