

Practice Assessment

Anorexia is a serious eating disorder characterized by an abnormally low body weight and an intense fear of gaining weight. A study examined patients with anorexia and the impact of two treatments versus a control. Patients' weights were measured before and after treatment, and both these measures are included in our dataset. We are interested in whether or not the administration of a treatment increases patient body weight (lbs) on average. Thus, measurements from the patients in the control will not be used.

Read In Your Data

The dataset we will be using is `anorexia` from the course website. Carefully follow these instructions to successfully load in and prepare your data.

1. Load data into a object named `anorexia`. No capital letters, no spaces.
2. Subset the data to *exclude* all "Control" observations
3. Run the code chunk.
 - If you encounter an error, raise your hand to ask your instructor.
 - If you see the dataset in your environment has 46 observations, you have done this correctly. Feel free to move on.

Visualization

Create a histogram for each of the following variables: `Prewt` and `Postwt` .

Numerical Summary

Calculate the mean for each of the following variables: `Prewt` and `Postwt`.

Conduct Test

Conduct an appropriate statistical test to evaluate whether treatment increases body weight.

Conclusion

Interpret your results in context of the problem. What is your recommendation based on these data?