

You have been hired by the Regional Real Estate Company to help them analyze real estate data. One of the company's Pacific region salespeople just returned to the office with a newly designed advertisement. It states that the average cost per square foot of his home sales is above the average cost per square foot in the Pacific region. He wants you to make sure he can make that statement before approving the use of the advertisement. The average cost per square foot of his home sales is \$275. In order to test his claim, you collect a sample of 1,001 home sales for the Pacific region.

Prompt

Design a hypothesis test and interpret the results using significance level $\alpha = .05$.

Use the [House Listing Price by Region](#) document to help support your work on this assignment.

You may also use the [Descriptive Statistics in Excel](#) and [Creating Histograms in Excel](#) tutorials for support.