/Users/bps/PycharmProjects/hypothesis_tesing/venv/bin/python /Users/bps/
PycharmProjects/hypothesis_tesing/main.py

Welcome to the Hypothesis Testing calculator made by ALIAS GEORGE

Select the Calculator (type the no corresponding eg 1 for one mean Large sample)

1. One Mean Large sample
2. One Mean Small sample
3. Two Mean Large sample
4. Two Mean Small sample with both normal and $\sigma1 = \sigma1$
5. Matched Pair t-Test
6. One Variance Test
7. Two Variance Test
8. One Proportion Test
9. Multi Proportion Test
10. Two Proportion Difference Test
11. R and C Analysis Test
12. Goodness Fit Test
1

1. One Mean Large sample

Level of significance: 0.01
No of samples: 80
Mean of sample: 68.45
Standard deviation of sample/Population: 9.583
Claim Mean: 71

Select the alternative Hypothesis to test with null μ = 71.0
1. μ < 71.0
2. μ > 71.0
3. μ ≠ 71.0
1

The null must be rejected if Z<-2.3263

Calculations

Z = -2.380036874725851

Decision

Null μ = 71.0 must be Rejected at level of significance 0.01 and Accept μ < 71.0

Process finished with exit code 0