

Hypothesis Test Critical Value Method (or Traditional Method)

1. *Original* claim in symbolic form:
2. Competing idea (complement) in symbolic form:
3. H_0 :
 H_1 :
4. $\alpha =$
5. Formula for the test statistic:

6. Observed value of the test statistic with calculations:

Graph showing the critical value(s), critical region, and the observed value of the test statistic:

Critical value(s):

7. Circle one: Reject H_0 Fail to reject H_0

8. Wording of the final conclusion in simple, nontechnical terms, addressing the *original* claim.

Hypothesis Test *P*-Value Method

1. *Original* claim in symbolic form:
2. Competing idea (complement) in symbolic form:
3. H_0 :

H_1 :

4. $\alpha =$
5. Formula for the test statistic:

6. Observed value of the test statistic with calculations:

Graph showing the observed value of the test statistic and *P*-value:

P-value:

7. Circle one: Reject H_0 Fail to reject H_0

8. Wording of the final conclusion in simple, nontechnical terms, addressing the *original* claim.