

Hypothesis Testing Procedure

- Write down the two hypotheses (1)
- [If not given, identify an appropriate test statistic and the distribution of the corresponding random variable.]
- Identify the significance level, usually given (2) and whether its one or two tailed (3).
- Determine the critical region, should be done before collecting data (4).
- Calculate the value of the test statistic and determine if in critical region (5).
- Determine and clarify in context the outcome of the test (6 and 7)

A possible writing frame...

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| 1 | Write down the null and alternate hypotheses | |
| 2 | What is the significance level? | |
| 3 | Is it one or two tailed? | |
| 4 | What is the critical region? | |
| 5 | Is the test statistic in the critical region? | |
| 6 | Accept or reject the null hypothesis? | |
| 7 | Conclude and clarify in context | |