

# The 5C Method for Inference: Hypothesis Tests

**CLASSIFY:** Classify the types of variables and type of study.

Variables:

Type of study:

**CHOOSE:** Choose the inference procedure and set it up.

Choose procedure:

Significance level:

Parameter:

Statistic:

Hypotheses:

Evidence for  $H_a$ :

**CHECK:** Check the appropriate conditions

**CALCULATE:** If conditions are met, perform the calculations

General Formula:

Picture:

Specific Formula:

Plug in numbers:

Test statistic:

$p$ -value:

**CONCLUDE:** Make a conclusion in the context of the problem.