

Interactive Hypothesis Test Visualizer

Controls

Test Type:

One-Sample Mean

▼

Null Hypothesis (H_0) Value (μ_0):

100

Alternative Hypothesis (H_a):

≠ H_0 (Two-tailed)

▼

"Actual" Population Parameter (μ_a):

105

Sample Size (n):

30

Standard Deviation (σ):

15

Significance Level (α):

0.05

Confidence Level (%):

95.0

(Derived from α : 95.0%)

Calculated Power ($1-\beta$):

0.447

When dragging Power, adjust:

Sample Size (n)

▼

Legend & Toggles

- ☒ H_0 Distribution
- ☒ H_a Distribution
- ☒ Type I Error Area (α)
- ☒ Type II Error Area (β)
- ☒ Power Area ($1-\beta$)
- ☒ Critical Value(s)
- ☒ Mean of H_0
- ☒ Mean of H_a

Visualization

