

Lab Report: Hypothesis Testing – Two Population Means

Name(s):

Hypotheses

- State the claim that you are testing.
 -
- State the null and alternative hypotheses.
 - H_0 :
 - H_a :
- Is this a right-tailed, left-tailed, or two-tailed test?
 -
- Define the random variable for this test.
 -

Hypothesis Test—Known σ

Hypothesis Test—Unknown σ

Interpretation

Decisions on Null Hypothesis

σ	α	p-value	decision (reject or do not reject H_0)	reason for decision
Known	0.05			
Unknown	0.05			

Conclusions

σ	Conclusion
Known	
Unknown	

Discussion

- 1.
- 2.