Statistics - Hypothesis testing

Decisions on the CLAIM and Conclusions

Case #1: Your claim is the same as your Ha (Alternative Hypothesis)

Decision	
Reject the null hypothesis (Ho)	Fail to reject the null hypothesis (Ho)
Conclusion begins with “We have enough evidence to support the claim…”	Conclusion begins with “We don’t have enough evidence to support the claim…”

Case #2: Your claim is the same as your Ho (Null Hypothesis)

Decision	
Reject the null hypothesis (Ho)	Fail to reject the null hypothesis (Ho)
Conclusion begins with “We have enough evidence to reject the claim…”	Conclusion begins with “We don’t have enough evidence to reject the claim…”