Interpretation #1

If p-value < alpha => REJECT H0

If p-value > alpha => FAIL TO REJECT HO

(alpha can = 0.01, 0.05, 0.1)

CONCLUSION #1 (use the p-value for the 1-sided test!!!)

If **p-value < 0.01**, then we have **very strong evidence** "for HA/against H0" (<u>be context specific</u>) If **0.01 < p-value < 0.05**, then we have **strong evidence** "for HA/against H0" (<u>be context specific</u>) If **0.05 < p-value < 0.1**, then we have **some evidence** "for HA/against H0" (<u>be context specific</u>) If **0.1 < p-value < 0.2**, then we have **not enough evidence** "for HA/against H0" (<u>be context specific</u>) If **p-value > 0.2**, then we have **no evidence** "for HA/against H0" (<u>be context specific</u>)

<u>CONCLUSION #2</u> (We are 95% confident that p is between...--<u>be context specific</u>)