

9.2b Confidence Intervals vs. Significance Tests

Significance tests: reject / fail to reject a claim.
but we're left wondering
what is p ?

Confidence Intervals: gives a range of
values for p
↳ provides more information

* A 95% C.I. gives an approximate
range of values for μ_0, p_0
that would not be rejected by
a 2-sided S.T. at $\alpha = 0.05$

* 2 sided Tests (at α) will lead to
the same conclusion as a
($100 - \alpha$)% C.I.