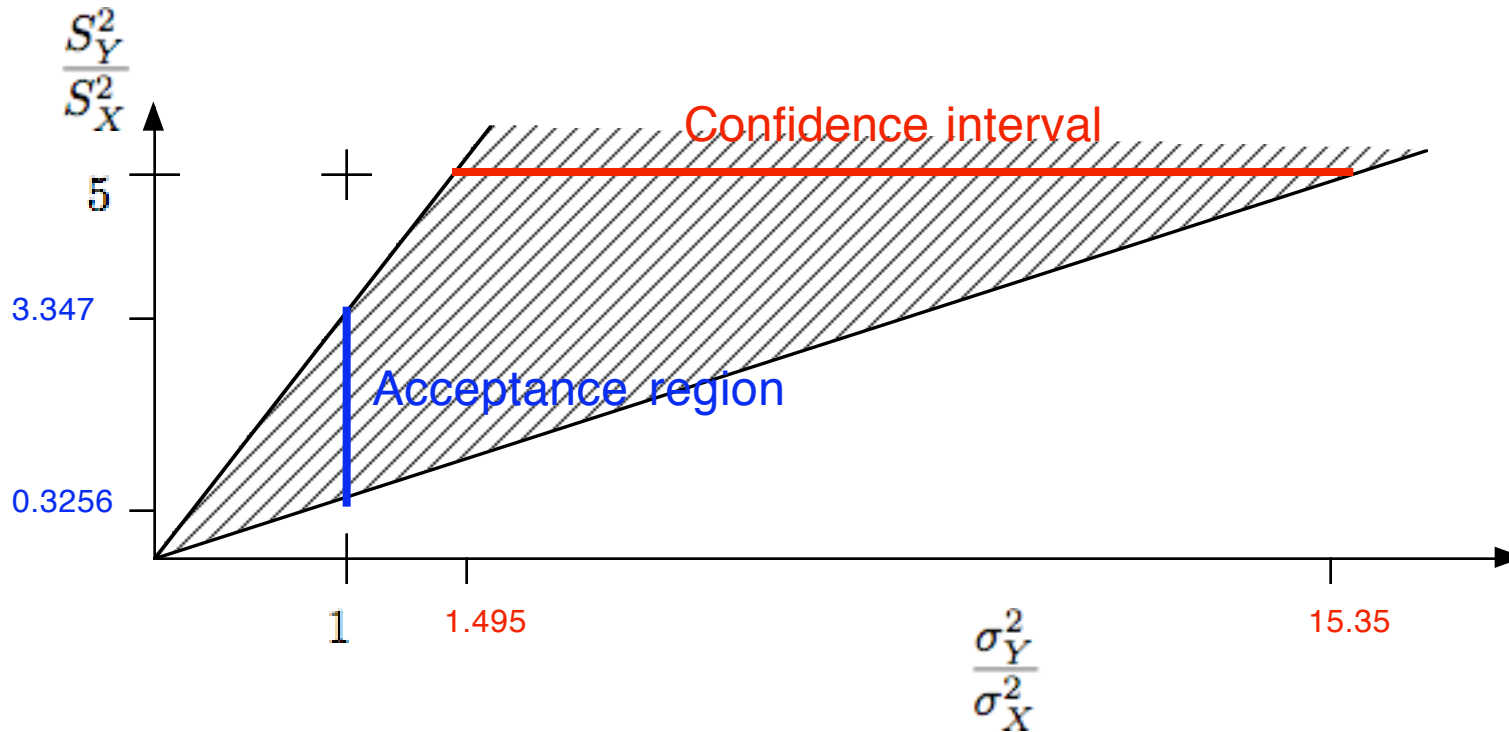


Probability/Statistics Duality

The null hypothesis was that $\sigma_Y^2/\sigma_X^2 = 1$

The data was that $S_Y^2/S_X^2 = 5$

The shaded region is the 90% probability/confidence region.



1 is not in the confidence interval if and only if

5 is not in the acceptance region if and only if

(1,5) is not in the 90% probability region.