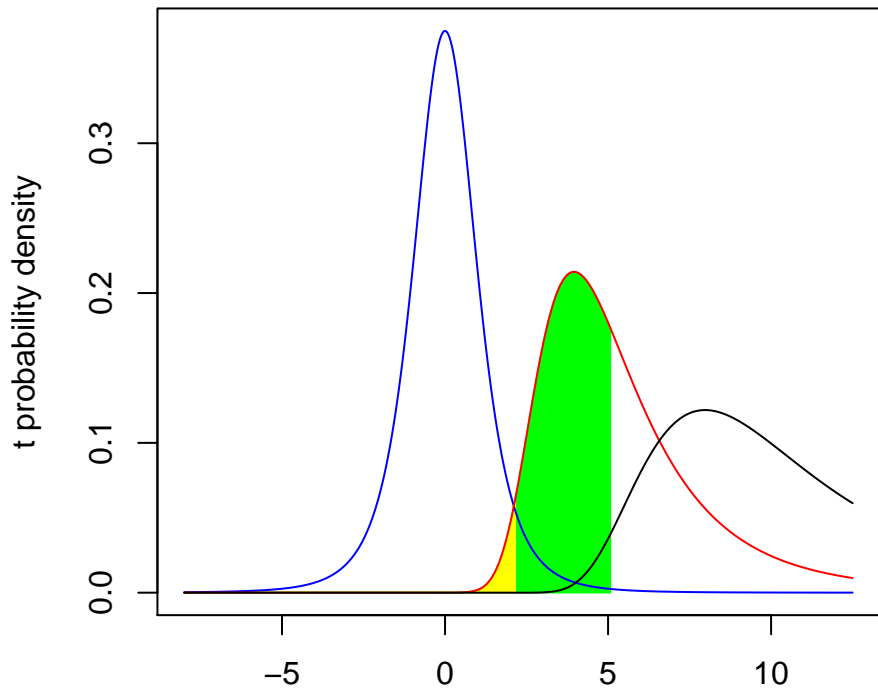


$\Pr(t < 2.149; df=4, ncp=4.5) = 0.025$

$\Pr(t < 5.1; df=4, ncp=4.5) = 0.54$

$\Pr(t < 5.1; df=4, ncp=8.968) = 0.025$



noncentral parameter = 4.5(Red), 0(Blue),
and 8.968(Black) which fits
 $\Pr(t < 5.1; ncp=8.968) = 0.025$