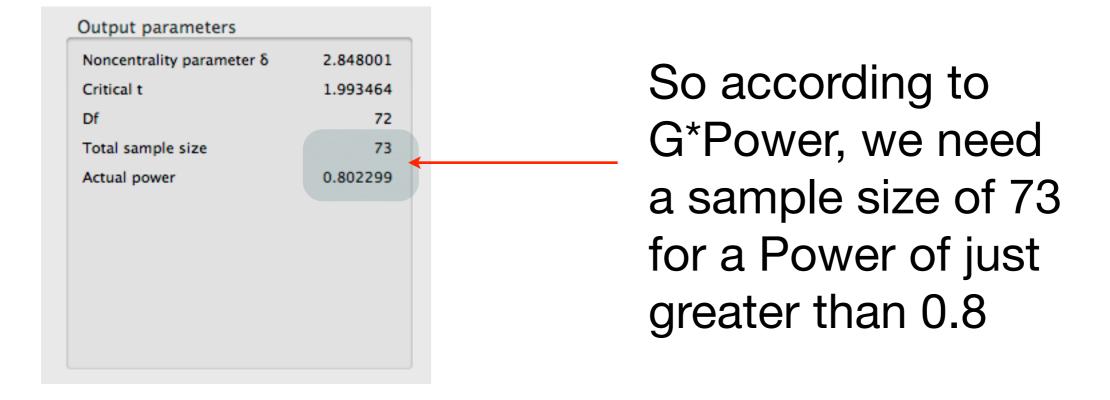
STORE WHAT AND A STATE OF THE S Power Plot G\*Power 3 Central and noncentral distributions Protocol of power analyses critical t = 1.9935 0.3 0.2 Click on 0.1 'Determine' to get the Statistical test Test family Means: Difference from constant (one sample case) t tests additional Type of power analysis parameters A priori: Compute required sample size - given a, power, and effect size window Input parameters Output parameters Noncentrality parameter δ 2.848001 Tail(s) Two Critical t 1.993464 Determine Effect size d 0.3333333 Df Total sample size 73 a err prob 0.05 Actual power 0.802299 Power (1-β err prob) Mean HO 100 Mean H1 105 SD o 15 Effect size d 0.33333333 Calculate Calculate and transfer to main window Close effect size drawer X-Y plot for a range of values Calculate



When we calculated sample size manually, we worked it out to be 72. Why the difference? This is because of rounding error. In G\*Power, if we select the Power level to be 0.795 (which we would round up to 0.8), it calculates our sample size as 72.