



























Example of a Counterbalanced Single-Factor Design With Two Treatments									
	Treatment								
	Order	Sequence	9						
	1	A B							
	2	ΒA							
	Subject	Order	Treatment A	Treatment B					
	1	2	23.5	14.2					
	2	1	14.6	11.5					
How do you test for "order effects"? Use Order as covariate in a repeated measures ANOVA (later)									















































For Comparison Power calcs for <u>t-test for indep means</u>							
TABLE 8–5Approximate Number of Participants Needed in Each Group (Assuming Equal Sample Sizes) for 80% Power for the t Test for Independent Means, Testing Hypotheses at the .05 Significance Level							
		Effect Size	the solution of the				
	Small (.20)	Medium (.50)	Large (.80)				
One-tailed	310	50	20				
Two-tailed	393	64	26				
			39				

R								
<b>A A</b>	Subject	Condition1	Condition2	var				
	1	104	212					
	2	210	415					
	3	157	127					
	4	321	302					
	5	98	309					
	6	129	742					
	7	205	489					
	8	137	425					
	9	291	321					
	10	91	81					
1				40				











