How many subjects participated in this experiment? What is the value for df_{error}?

	SS	df	MS	F	p
age		1			
condition		4			
age x condition		4			
error		?			
total		99			

How many subjects participated in this experiment? What is the value for df_{error}?

N = 100. df_{error} = 90

	SS	df	MS	F	p
age		1			
condition		4			
age x condition		4			
error		90			
total		99			

What is the value for SS_{age}? What are the values for the Mean Squares?

	SS	df	MS	F	p
age	?	1			
condition	80	4			
age x condition	8	4			
error	900	90			
total	1000	99			

What are the F values?

	SS	df	MS	F	p
age	1000-900-80-8 = 12	1	12/1 = 12		
condition	80	4	80/4 = 20		
age x condition	8	4	8/4 = 2		
error	900	90	900/90 = 10		
total	1000	99			

	SS	df	MS	F	p
age	12	1	12	12/10 = 1.2	
condition	80	4	20	20/10 = 2	
age x condition	8	4	2	2/10 = 0.2	
error	900	90	10		
total	1000	99			

What is the value for SS_{age}? What are the values for the Mean Squares?

	SS	df	MS	F	p
age	?	1			
condition	800	4			
age x condition	80	4			
error	90	90			
total	1000	99			

What are the F values?

	SS	df	MS	F	p
age	1000-800-80-90 = 30	1	30/1 = 30		
condition	800	4	800/4 = 200		
age x condition	80	4	80/4 = 20		
error	90	90	90/90 = 1		
total	1000	99			

What are association strengths for age, condition, and age x condition?

	SS	df	MS	F	p
age	30	1	30	30/1 = 30	
condition	800	4	200	200/1 = 200	
age x condition	80	4	20	20/1 = 20	
error	90	90	1		
total	1000	99			

What are the association strengths for age, condition, and age x condition?

	SS	df	MS	F	p	eta-squared	partial eta-squared
age	30	1	30	30		30/1000 = 0.03	30/(30+90) = 0.25
condition	800	4	200	200		800/1000 = 0.8	800/(800+90) = 0.898
age x condition	80	4	20	20		80/1000 = 0.08	80/(80+90) = 0.47
error	90	90	1				
total	1000	99					