

Latin Squares Discussion

Respond to the following questions individually then discuss your answers in your group. You should hand in your individual responses. We will discuss your group responses and then I will lecture on advanced topics.

1. Assume that the effects in a 3 by 3 Latin Square design were not additive. Could you test for a row by column interaction in a 3 by 3 Latin Square? Why or why not?
2. How do you randomize a Latin Square?
3. Provide another standard 4 by 4 square other than

A	B	C	D
B	C	D	A
C	D	A	B
D	A	B	C

4. Show SAS code you would need in order to analyze the following latin square.

Row	Column				
	1	2	3	4	5
1	A=24	B=20	C=19	D=24	E=24
2	B=17	C=24	D=30	E=27	A=36
3	C=18	D=38	E=26	A=27	B=21
4	D=26	E=31	A=26	B=23	C=22
5	E=22	A=30	B=20	C=29	D=31