

Time →

C1	C2	C3
C3	C1	C2
C2	C3	C1

Latin Square (n=9)

Diets (space & time blocked)

$$X = \mu + A + B + C + \varepsilon$$

Space →

	C ₃	C ₁	C ₂
C1	C2	C3	
C3	C1	C2	
C2	C3	C1	

Split Plot (n=18)

Diets, Time, Diets X Time
(space blocked)

$$X = \mu + A + B + C + AC + \varepsilon$$

	C ₂	C ₃	C ₁
	C ₃	C ₁	C ₂
C1	C2	C3	
C3	C1	C2	
C2	C3	C1	

Full Factorial (n=27)

Diets, Space, Time plus all interactions

$$X = \mu + A + B + C + AB + AC + CB + ABC + \varepsilon$$

A = Space; B = Time; C = Diet