

# Block - Confounding. SAS (Partial confounding 11211)

data partial;

input rep blk a b c y @@;

cards;

```
1 1 0 0 0 2208 1 1 1 1 0 2133 1 1 1 0 1 2459 1 1 0 1 1 3096
1 2 1 0 0 2196 1 2 0 1 0 2086 1 2 0 0 1 3356 1 2 1 1 1 2776
2 1 0 0 0 2004 2 1 1 1 0 2112 2 1 0 0 1 3073 2 1 1 1 1 2631
2 2 1 0 0 2179 2 2 0 1 0 2073 2 2 1 0 1 3474 2 2 0 1 1 3360
3 1 0 0 1 2839 3 1 1 0 0 2189 3 1 0 1 1 3522 3 1 1 1 0 2095
3 2 0 0 0 1916 3 2 1 0 1 2979 3 2 0 1 0 2151 3 2 1 1 1 2500
4 1 1 0 0 2056 4 1 0 0 0 2010 4 1 0 1 1 3209 4 1 1 1 1 3066
4 2 0 1 0 1878 4 2 1 1 0 2156 4 2 0 0 1 3423 4 2 1 0 1 2524
```

run;

proc print data=partial;

run;

proc glm data=partial;

class rep blk a b c;

model y=rep rep(blk) a|b|c;

run;

Rep. 1 (ABC)

(1)	2208
ab	2133
ac	2459
bc	3096

block 1

a	2196
b	2086
c	3356
abc	2776

block 2

Rep. 2 (AB)

(1)	2004
ab	2112
c	3073
abc	2631

block 3

a	2179
b	2073
ac	3474
bc	3360

block 4

Rep. 3 (AC)

c	2839
a	2189
bc	3522
ab	2095

block 5

(1)	1916
ac	2979
b	2151
abc	2500

block 6

Rep. 4 (BC)

a	2056
(1)	2010
bc	3209
abc	3066

block 7

b	1878
ab	2156
c	3423
ac	2524

block 8