Assignment

For a factorial experiment with three factors N,P and K each at two levels, the design and yield per plot are given below.

Replicate 1   Replicate 2   Replicate 3
np 30   1   44   pk 20
nk 32   nk 34   1   24
pk 24   p   27   npk 30
1   25   npk 36   k   32
n   46   k   32   n   28
k   39   n   30   p   26
p   32   np 30   np 36
npk 42   pk 36   nk 28

Estimate the main and interaction effects and interpret the result.