CASE STUDY -4

In this case we have two set of hypotheses:

1. Null hypothesis, H0 = All plots have same mean yield
   Alternative hypothesis, H1 = All plots have different mean yield

2. Null hypothesis, H0 = All treatments have same mean yield
   Alternative hypothesis, H1 = All treatments have different mean yield

For rows, F-critical value = 3.25 is greater than F- calculated value (= 0.57) so we cannot reject the null hypothesis and infer plots have same mean of yield.

For columns, F-critical value = 3.49 is lesser than F- calculated value = 7.43) so we can reject the null hypothesis and infer treatments have different mean of yield.