

Data used in Examples

The data used for examples in this workshop has the following factors:

1) Varieties

- Levels 2
- Variable name VAR
- Qualitative

2) Nitrogen Fertilizer

- Levels 3
- Variable name FERT
- Qualitative

3) Blocks or replications

- Levels 4
- Variable name BLOCKS
- Qualitative

4) pH (Covariate)

- Levels numerous
- Variable name pH
- Quantitative

5) Yield

- Levels numerous
- Variable name YIELD
- Quantitative

The data is read in as follows:

```
DATA YIELD;
  INPUT VAR $ FERT BLOCK pH YIELD;
  CARDS;
  VAR1 1 1 7.07 0.42
  VAR1 1 2 7.06 0.22
  VAR1 1 3 7.08 0.65
  VAR1 1 4 7.09 0.82
  VAR1 2 1 7.13 1.78
  VAR1 2 2 7.12 1.56
  VAR1 2 3 7.15 2.18
  VAR1 2 4 7.14 1.96
  VAR1 3 1 7.18 2.68
  VAR1 3 2 7.18 2.60
  VAR1 3 3 7.14 1.99
  VAR1 3 4 7.15 2.08
  VAR2 1 1 7.06 0.35
  VAR2 1 2 7.05 0.13
  VAR2 1 3 7.06 0.20
  VAR2 1 4 7.06 0.24
  VAR2 2 1 7.13 1.76
  VAR2 2 2 7.11 1.37
  VAR2 2 3 7.14 1.89
  VAR2 2 4 7.15 2.09
  VAR2 3 1 7.15 2.06
  VAR2 3 2 7.17 2.43
  VAR2 3 3 7.14 1.92
  VAR2 3 4 7.16 2.39
;
```

Notice that the variety is alphabetic and is read in as character data.