

## 2

A Process is run with two different catalysts: 'A' and 'B', two different temperatures: 160 and 180, and two different concentrations: 20 and 40. Yield (Avka.) is measured for each combination.

a)

This experiment is designed. What do we mean by that? What kind of design is it?

b)

The experiments were run in random order. Explain why this is a reasonable way to do it.

c)

Explain how to find the missing numbers in the table, and fill them in. Comment the results.

d)

Discuss whether there is any use in including interaction-terms in the model for these data.