SMIII lectures

Week 10

Leprosy

- Randomised trial
- Assess the effects of two drugs in treating leprosy.
- $n = 30$ patients.
- Randomly allocated either drug A, drug D or control.
- Response variable Y is a score representing the abundance of the leprosy bacilli over six sites on the body.
- Covariate, X, is the same score as Y recorded prior to randomisation.

FEV

`FEV` (forced expiratory volume) is an index of pulmonary function that measures the volume of air expelled after one second of constant effort.

The data contains

- $n = 654$ children
- aged 6-22
- from Childhood Respiratory Disease Study (1980 Boston, Massachusetts)
- two of the **predictor** variables recorded were `Smoking Status` and `Age`