

## Growth of guinea pigs

**Key words:** Repeated measurements

## Description

In an investigation of the effect of vitamin E on the growth of guinea pigs 15 animals were observed for 7 weeks. In week one they were given a growth inhibiting substance. In the beginning of week five they received different amounts of vitamin E (dosage 0,1, or 2). there were five animals in each treatment group, and each animal were weighted at the end of week 1,3,4,5,6, and 7.

Number of observations: 90

Variable	Description
animal	Number of the animal (1–15)
week	Week of the measurement (1,3,4,5,6,7)
weight	Weight ( $g$ ) of the animal
dose	Dose of vitamin E (0,1,2)

## Source

Crowder, M.J. & Hand, D.J. (1990). Analysis of repeated measures. Chapman & Hall, London.

## Analysis

Various models for repeated measurements