

## Activity of rats

**Key words:** Repeated measures.

## Description

To investigate the effect of a certain type of exposure on the activity of rats, the following experiment was carried out. The experimental unit was a cage with two rats. During the entire experimental period the rats were daily exposed to the matter under investigation, in the concentration of 1, 2 or 3 units (treatment 1, 2 and 3, respectively). Once per month during 10 months the activity of the rats was measured by placing the rats from one cage in a chamber in which each intersection of a light beam was counted.

Number of observations: 300

Variable	Description
treatm	3 treatments: (1, 2 or 3) (concentrations)
cage	The number of the cage (30 different integers)
month	Month of the measurement (1,2,...,10)
lnc	log(count) in 57 hour period

## Source

The Royal Veterinary and Agricultural University, Denmark.

## Analysis