

Lactase in piglets

Key words: Hierarchical

Description

As part of a larger study of the intestinal health in newborn piglets, the gut enzyme lactase was measured in 20 piglets taken from 5 different litters. For each of the 20 piglets the lactase level was measured in three different regions. At the time the measurement was taken the piglet was either unborn (status=1) or newborn (status=2). These data are kindly provided by Charlotte Reinhard Bjørnvad, Department of Animal Science and Animal Health, Division of Animal Nutrition, Royal Veterinary and Agricultural University.

Number of observations: 60

Variable	Description
litter	Litter identification, numbered 1–5
pig	Piglet identification, numbered 1–22
region	Measurement region identification, numbered 1–3
status	Status identification, numbered 1,2
loclact	Log transformed lactase measurement

Source

Charlotte Reinhard Bjørnvad, Department of Animal Science and Animal Health, Division of Animal Nutrition, Royal Veterinary and Agricultural University.

Analysis

Two or three layer hierarchical model with mean value depending on region and status.