

# Hypothesis tests for slopes in multiple linear regression model

Using the **general linear test** and **sequential sums of squares**

*An example*

# Study on heart attacks in rabbits

- An experiment in 32 anesthetized rabbits subjected to an infarction (“heart attack”)
- Three experimental groups:
  - Hearts cooled to 6° C within 5 minutes of occluded artery (“**early cooling**”)
  - Hearts cooled to 6° C within 25 minutes of occluded artery (“**late cooling**”)
  - Hearts not cooled at all (“**no cooling**”)