

# Inference in non normal mixed models

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## Abstract

Linear models play a central role in statistical methods. A linear model that presents fixed effects factors and random effects factors is called mixed model. It is usually assumed that the random part of these models is normally distributed. However, in many situations, the assumption of normality is only for convenience. In this presentation we will show how to make inference in mixed models whose factors of random effects may or may not follow a normal distribution. A numerical example is included.

## Keywords

Mixed models, Inference, Non normal distributions.

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