

The use of mixture distributions in a Bayesian linear mixed effects model

Anirudh TOMER

Supervisor: Prof. Emmanuel Lesaffre L-BioStat. KU Leuven

Thesis presented in fulfillment of the requirements for the degree of Master of Science in Statistics

Academic year 2015-2016

© Copyright by KU Leuven Without written permission of the promotors and the authors it is forbidden to reproduce or adapt in any form or by any means any part of this publication. Requests for obtaining the right to reproduce or utilize parts of this publication should be addressed to KU Leuven, Faculteit Wetenschappen, Geel Huis, Kasteelpark Arenberg 11 bus 2100, 3001 Leuven (Heverlee), Telephone +32 16 32 14 01. A written permission of the promotor is also required to use the methods, products, schematics and programs described in this work for industrial or commercial use, and for submitting this publication in scientific contests.

Contents

Appendix A

Essential code

Leuven Statistics Research Centre (LStat)
Celestijnenlaan 200 B bus 5307
3001 HEVERLEE, BELGIË
tel. + 32 16 32 88 75
fax + 32 16 32 28 31
www.kuleuven.be