

Individual profiles with random intercepts and slopes

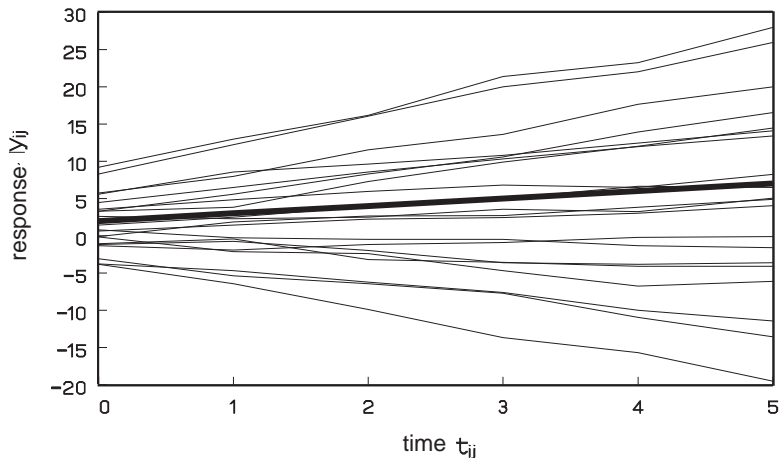


Figure 8.1 Hypothetical Example of Continuous Longitudinal Data which can be Well Described by a Linear Mixed Model with Random Intercepts and Random Slopes. The thin lines represent the observed subject-specific evolutions. The bold line represents the population-averaged evolution

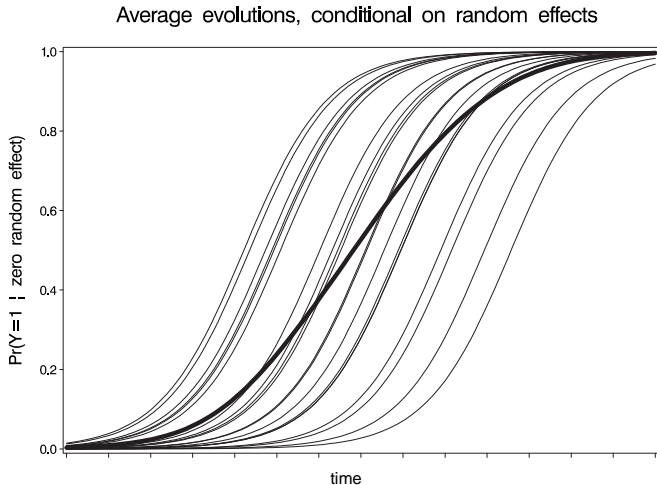


Figure 8.2 Graphical Representation of a Random-Intercepts Logistic Model. The thin lines represent the subject-specific logistic regression models. The bold line represents the population-averaged evolution

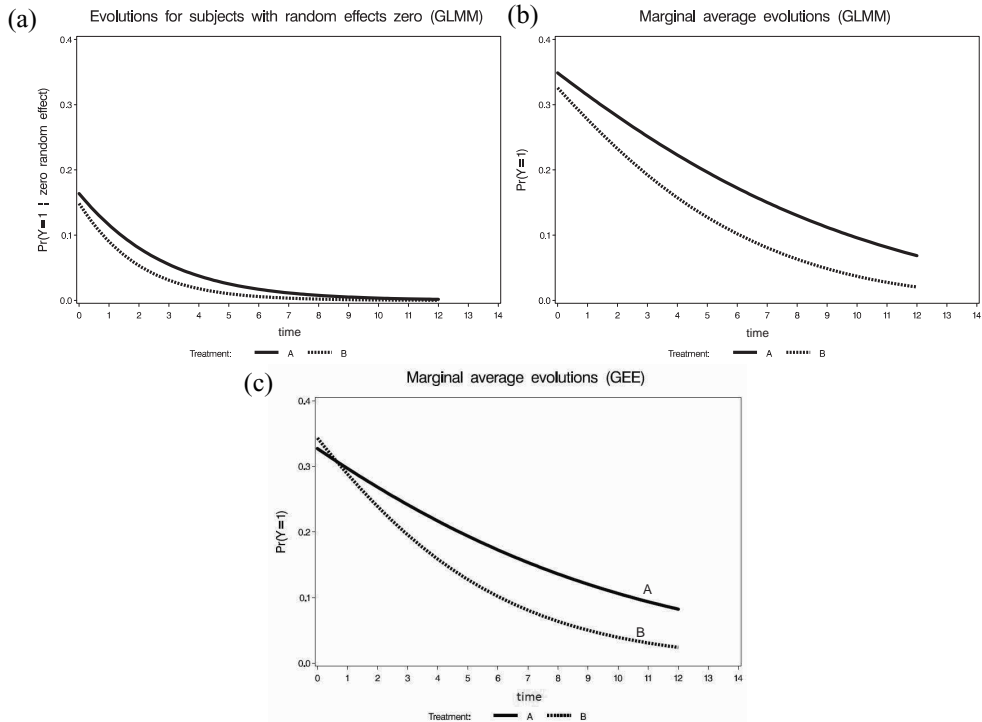


Figure 8.3 Toenail Data: Treatment-Specific Evolutions. (a) Evolutions for an 'average' person, i.e., with $u_i = 0$. (b) Average evolution as obtained from marginalizing the GLMM. (c) Average evolution estimated directly from fitting a marginal model using GEE with unstructured working correlation

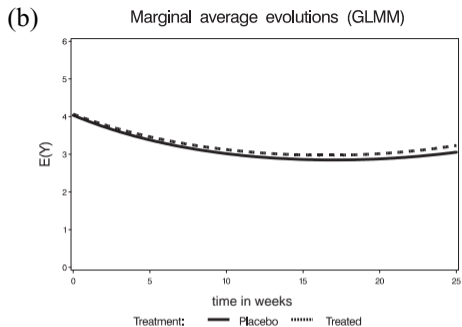
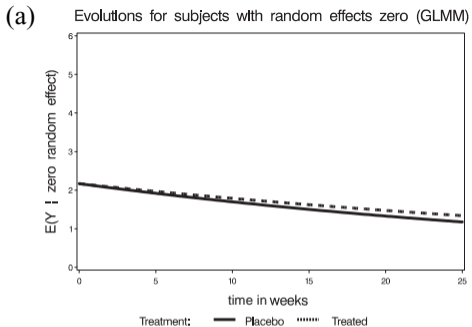


Figure 8.5 Epilepsy Study: Treatment-Arm Specific Evolutions. (a) Evolutions for an 'average' person, i.e., with $u_i = 0$. (b) Average evolution as obtained from marginalizing the GLMM