

equationomatic

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```
library(equationomatic)

df4 <- readr::read_rds('./dataset/df4.rds')

lme_model4 <-
  lmerTest::lmer(score ~ time + group + W1D1 + drughis + (1|`PatientID`),
    data = df4
  )

extract_eq(lme_model4)
```

$$\text{score}_i \sim N(\mu, \sigma^2)$$

$$\mu = \alpha_{j[i]} + \beta_1(\text{time}_{W12D1}) + \beta_2(\text{time}_{W18D1}) + \beta_3(\text{time}_{W24D1})$$

$$\alpha_j \sim N\left(\gamma_0^\alpha + \gamma_1^\alpha(\text{group}_{2.5\text{mgBID}}) + \gamma_2^\alpha(\text{group}_{5\text{mgBID}}) + \gamma_3^\alpha(\text{W1D1}) + \gamma_4^\alpha(\text{drughis}_1) + \gamma_5^\alpha(\text{drughis}_2) + \gamma_6^\alpha(\text{drughis}_3), \sigma_{\alpha_j}^2\right),$$

(1)