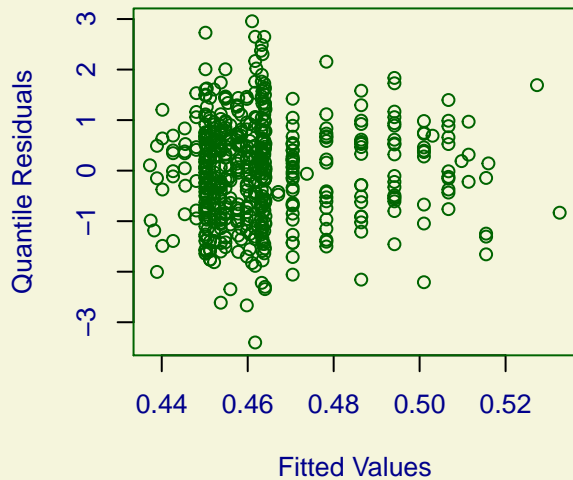
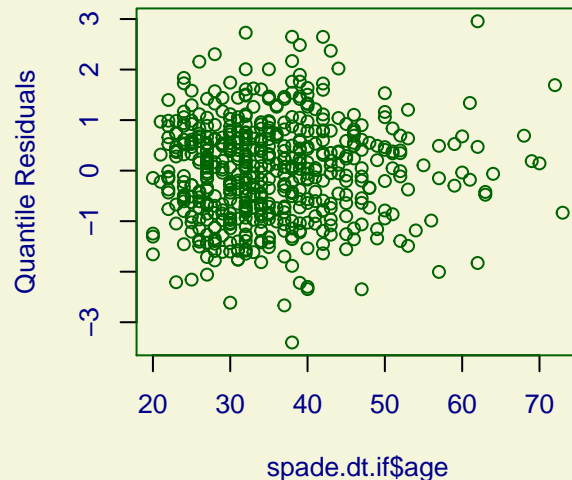


Diagnostic plot for Beta-Binomial model fit of
b12 in uganda_h_2 women age 20 – 73

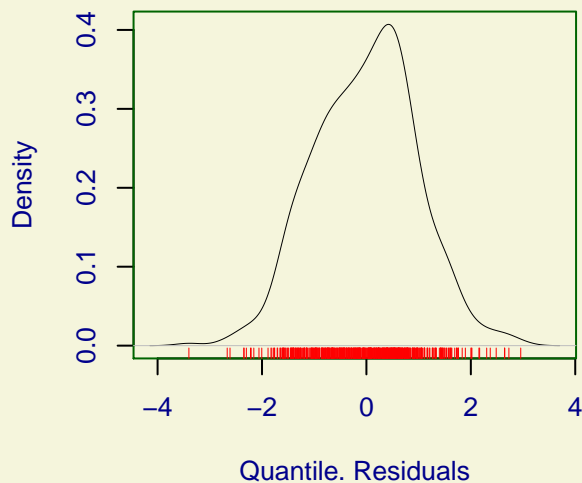
Against Fitted Values



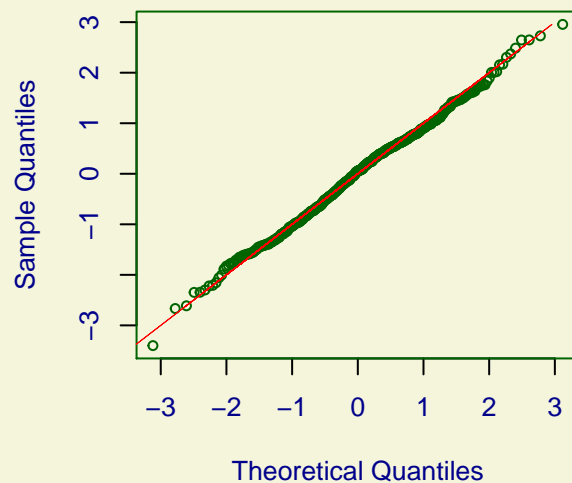
Against spade.dt.if\$age



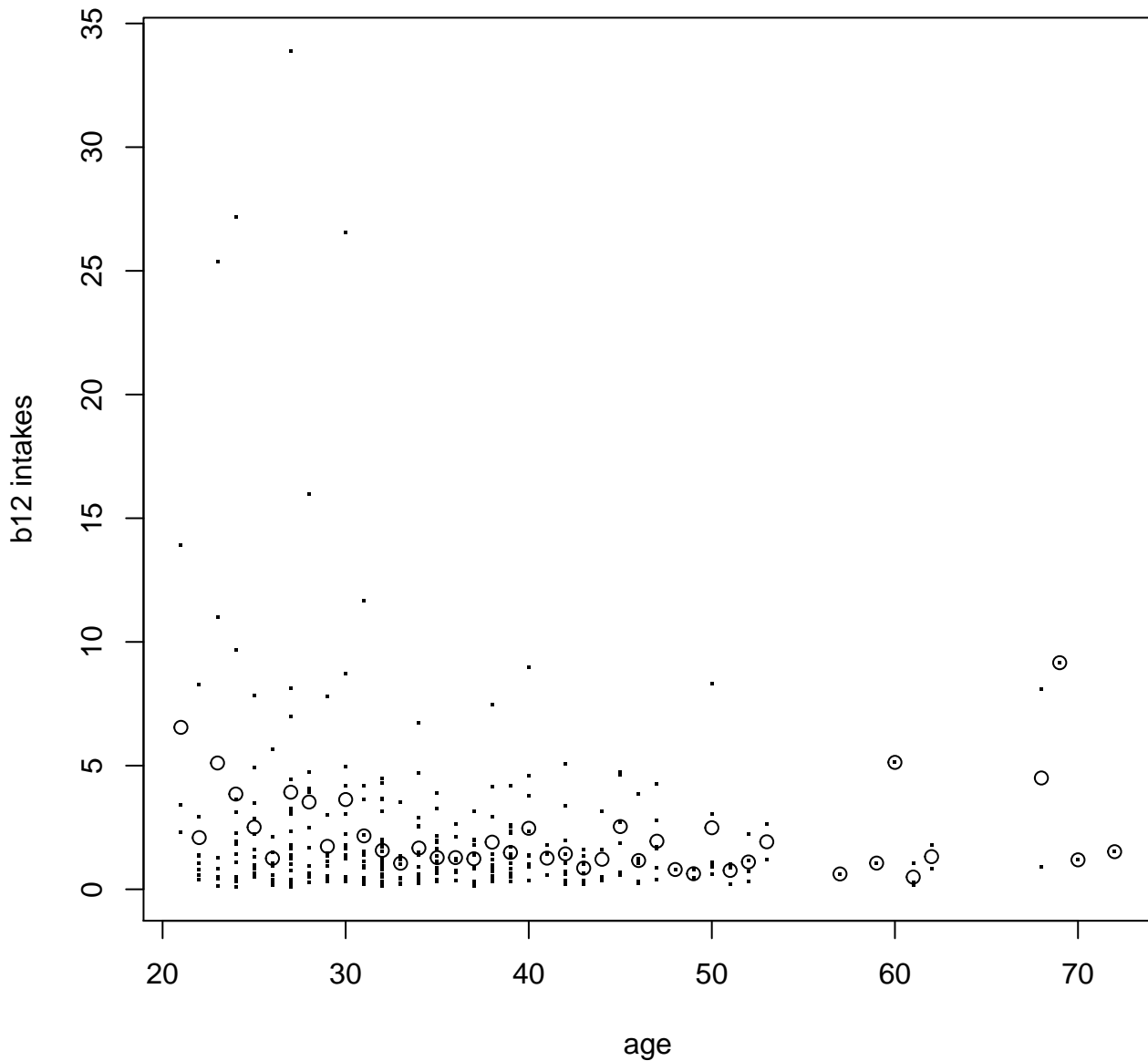
Density Estimate



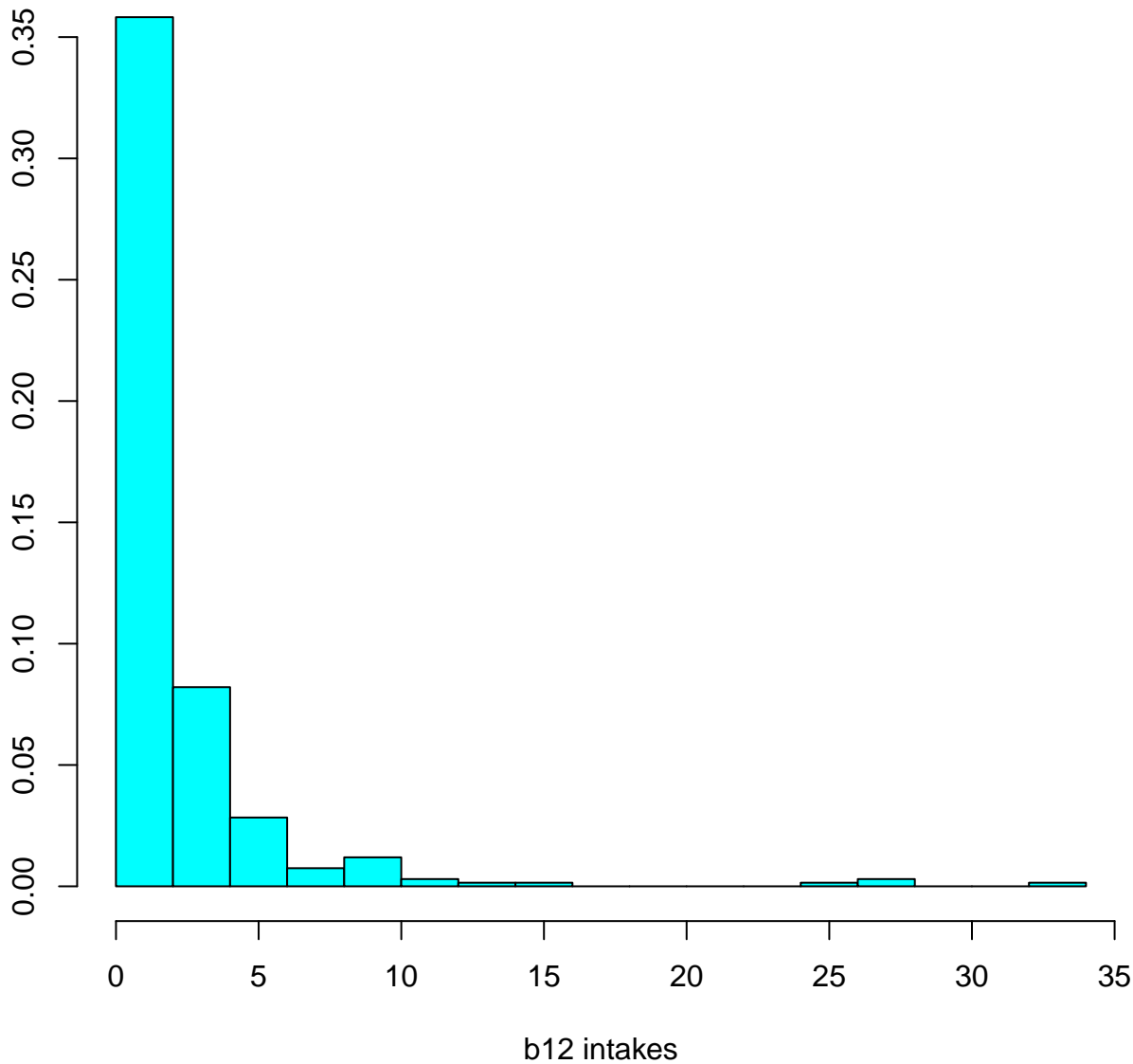
Normal Q-Q Plot



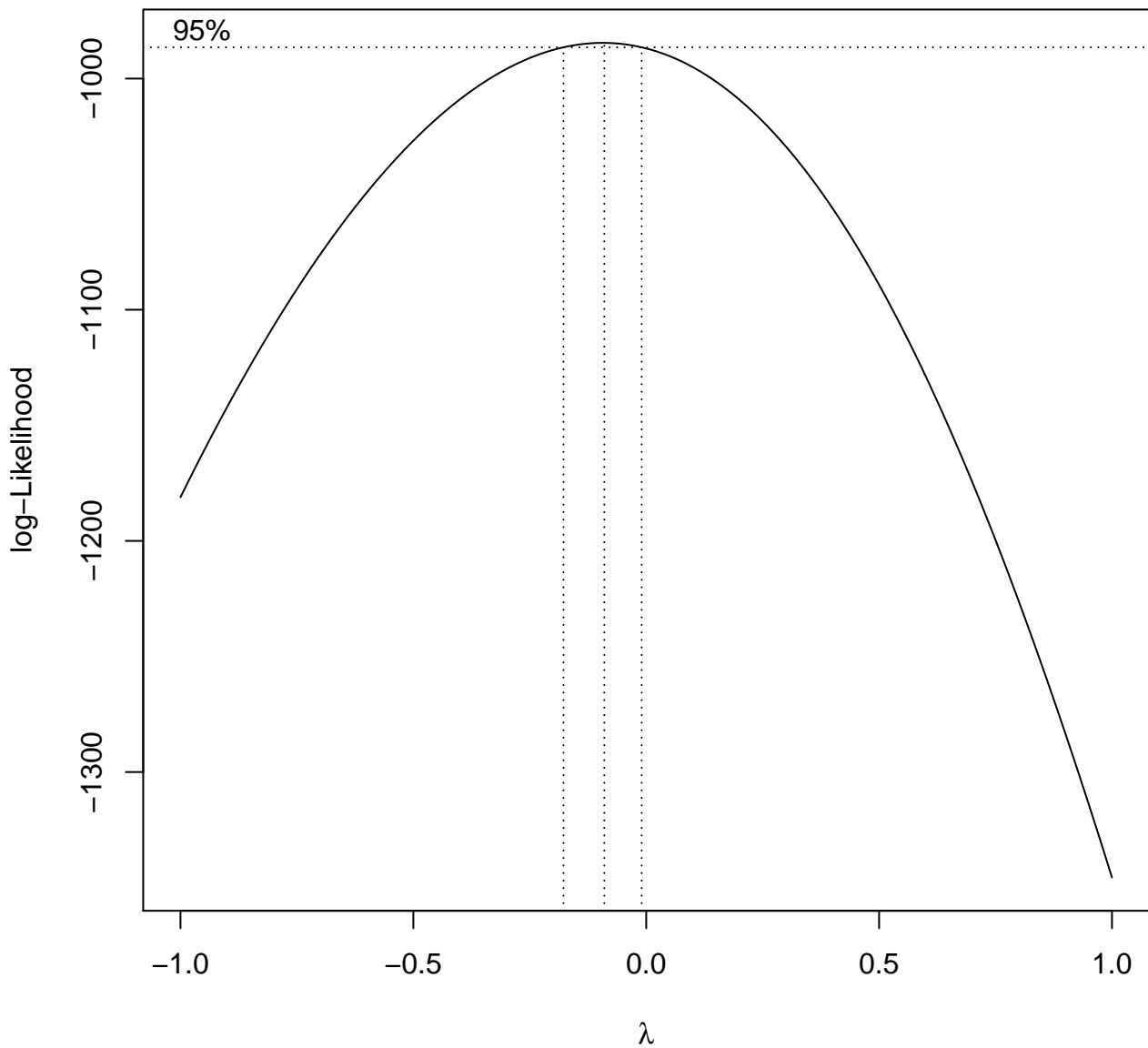
Original data for b12 in uganda_h_2
women ; age 20-73



Original data for b12 in uganda_h_2
women ; age 20-73

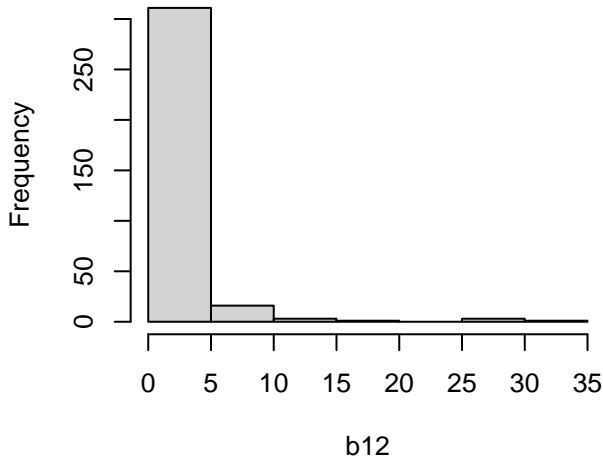


Box-Cox plot for original data for b12 in uganda_h_2
women ; age 20-73
 $\lambda = -0.092$ $(-0.17, -0.01)$

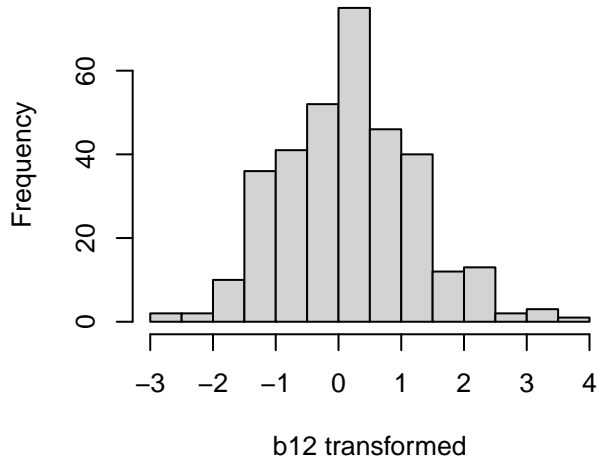


Diagnostic plots for b12 in uganda_h_2
women ; age 20–73

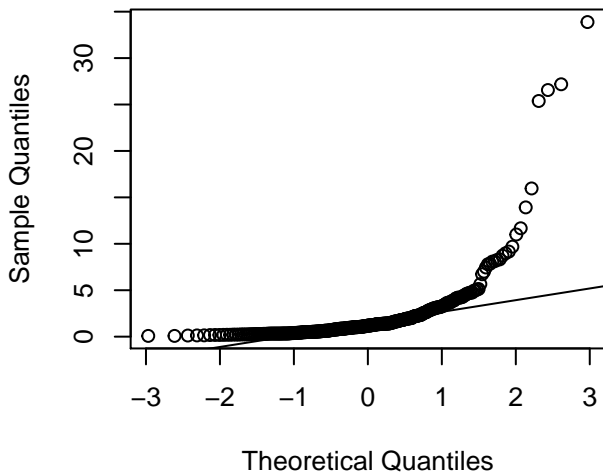
**Intakes before
Box–Cox trans.**



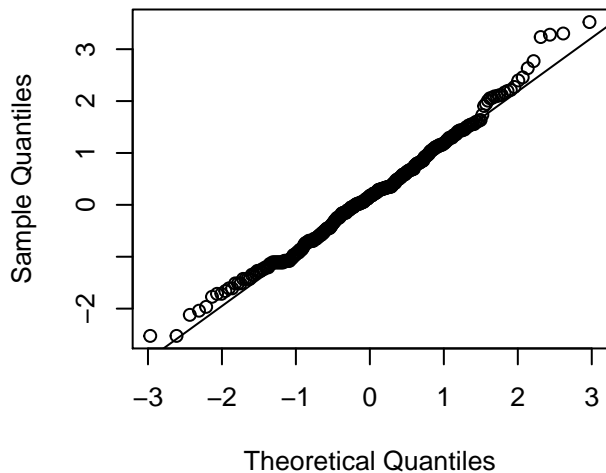
**Intakes after
Box–Cox trans.**



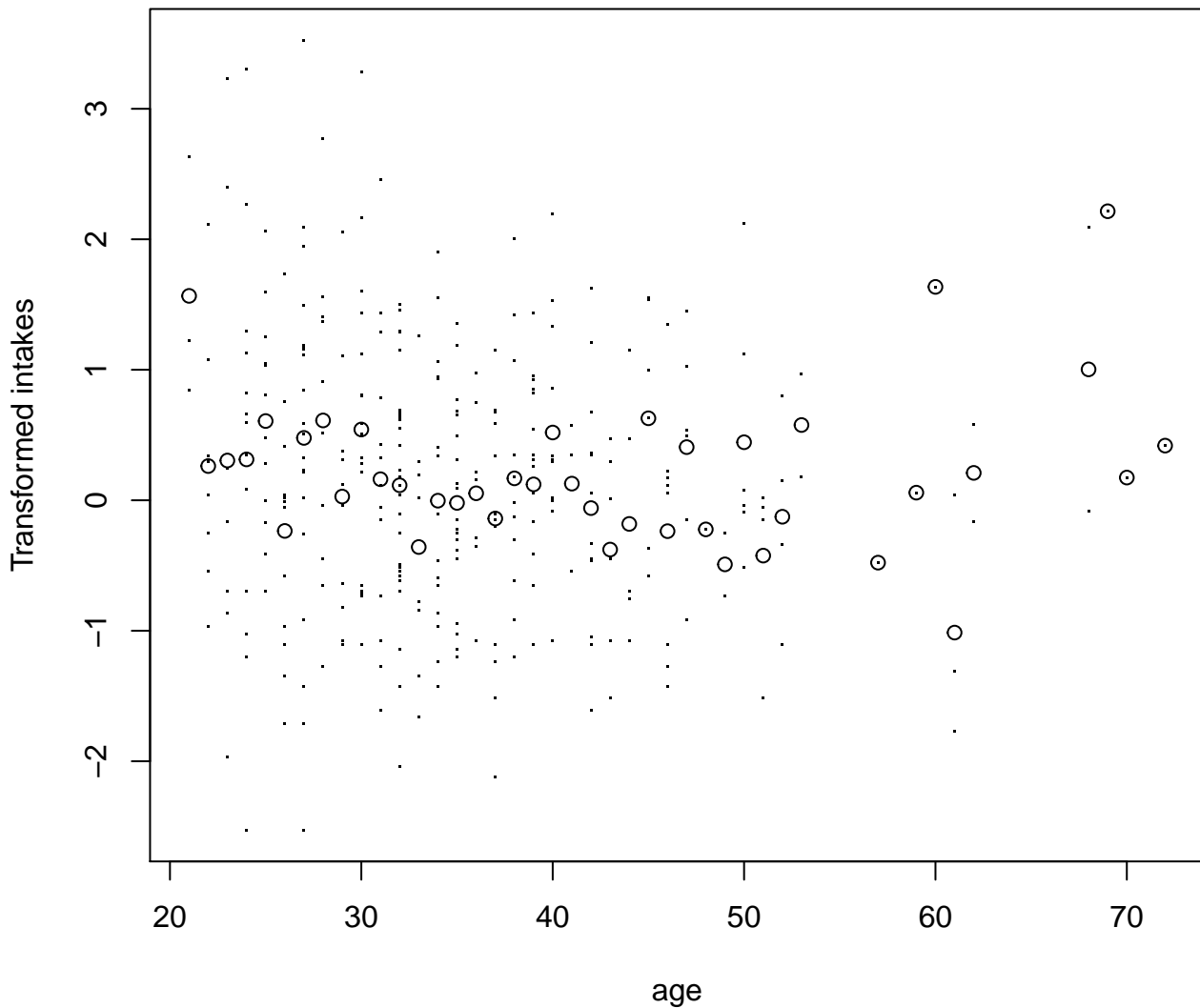
**Normal Q–Q plot
Original intakes**



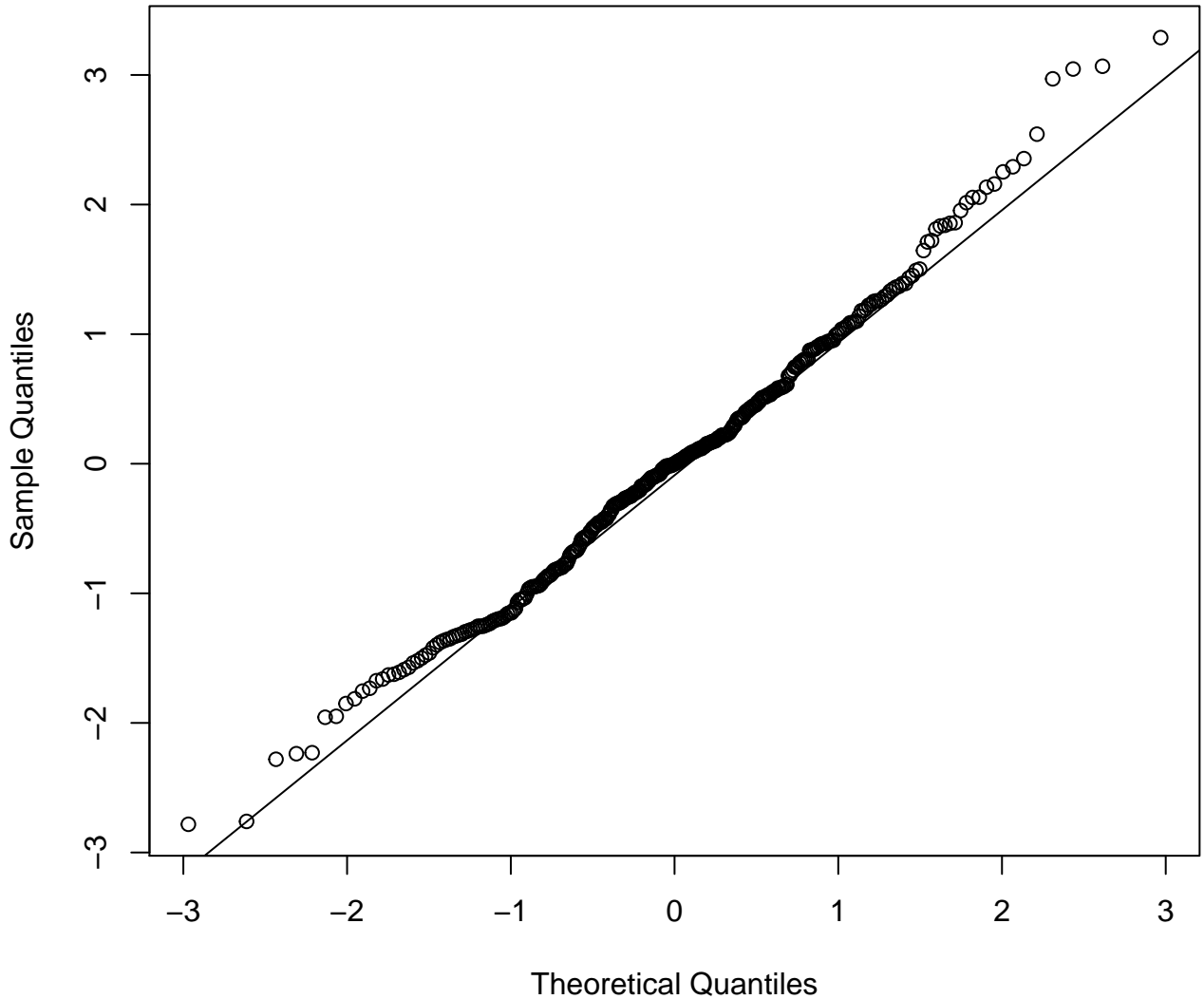
**BoxCox transformed intakes
lambda = 0**



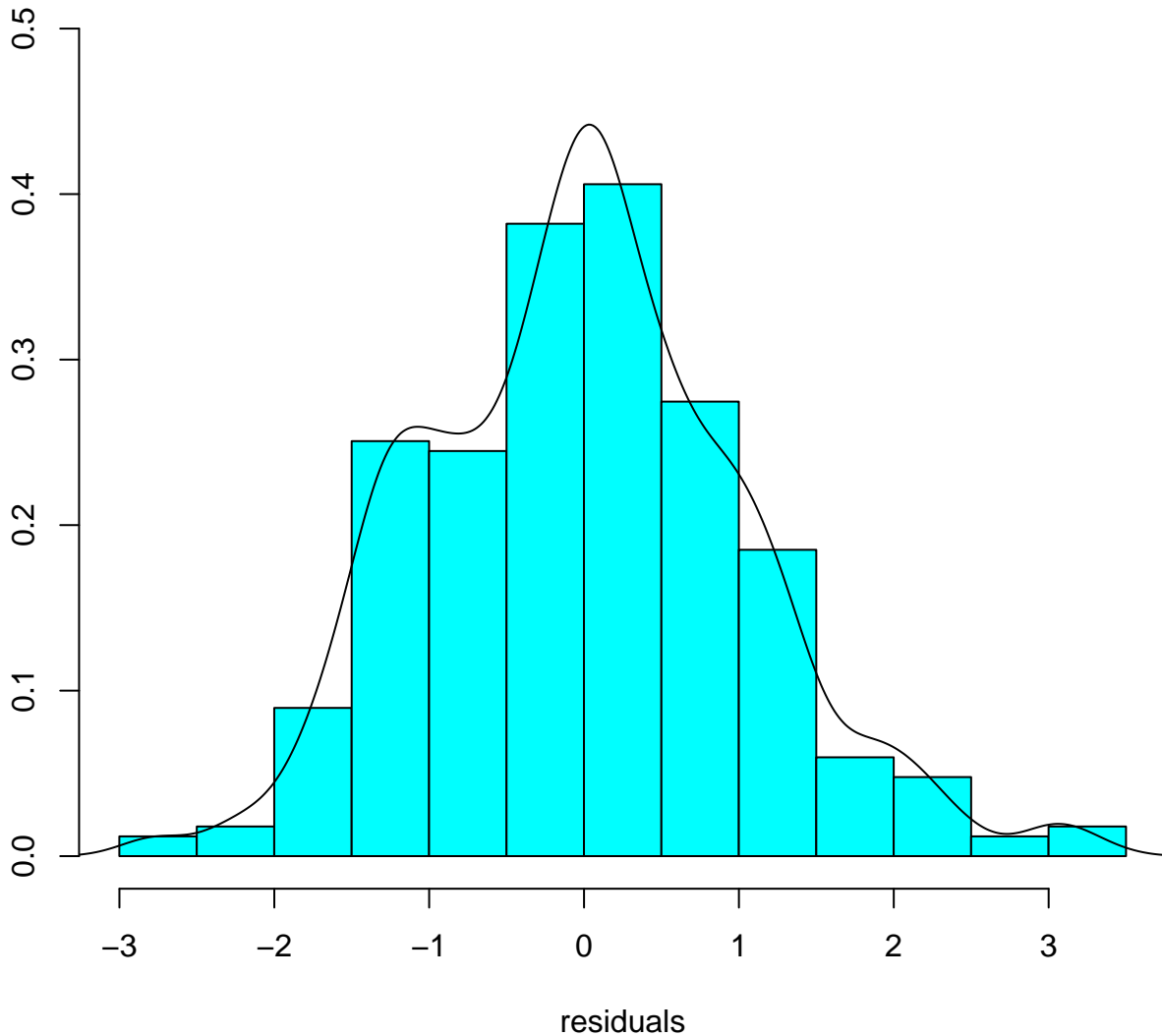
Transformed data for b12 in uganda_h_2
women ; age 20-73 lambda = 0



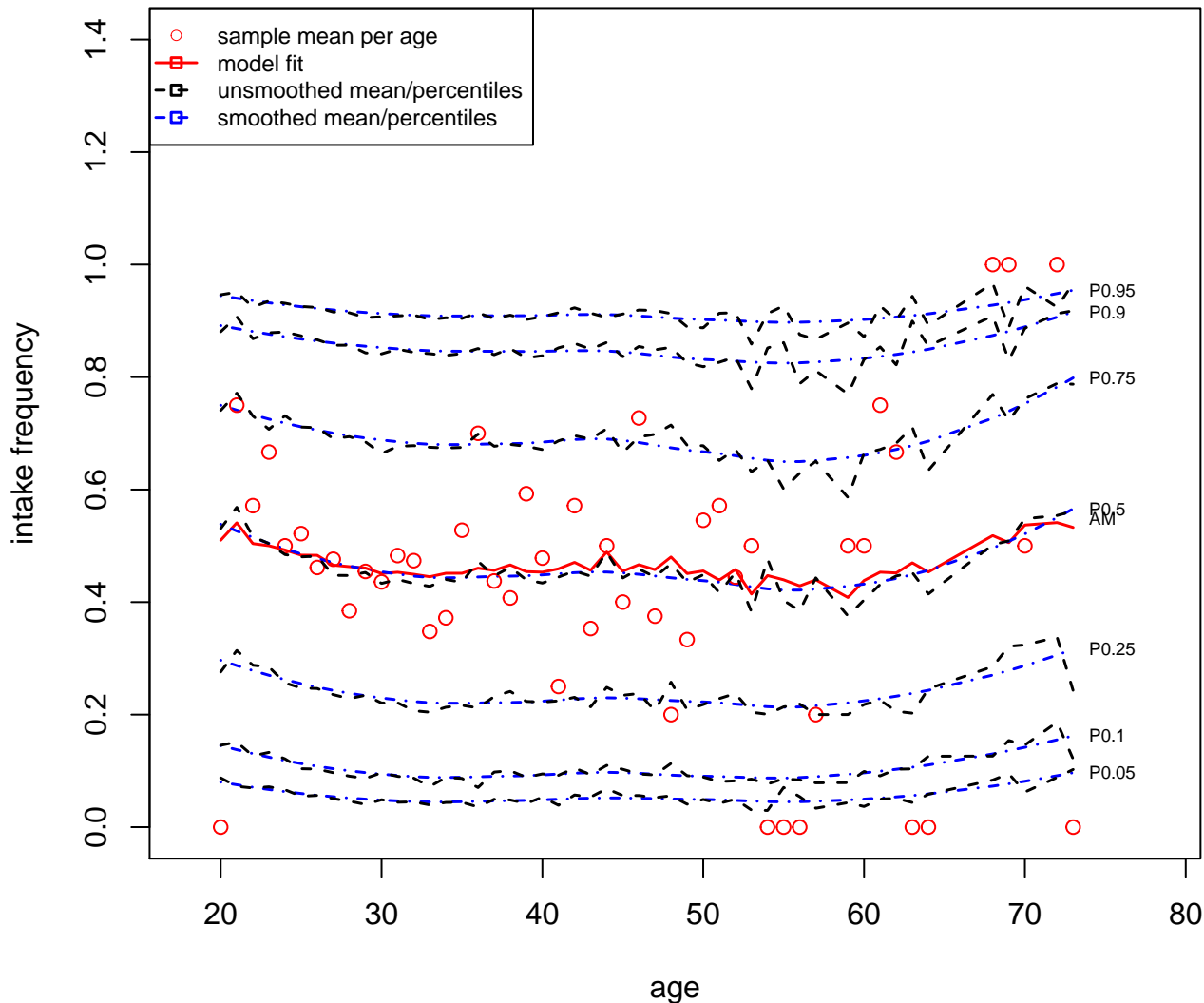
QQ-normal: residuals of model
intake.trans ~ fp(age)
women ; age 20-73 for b12 in uganda_h_2



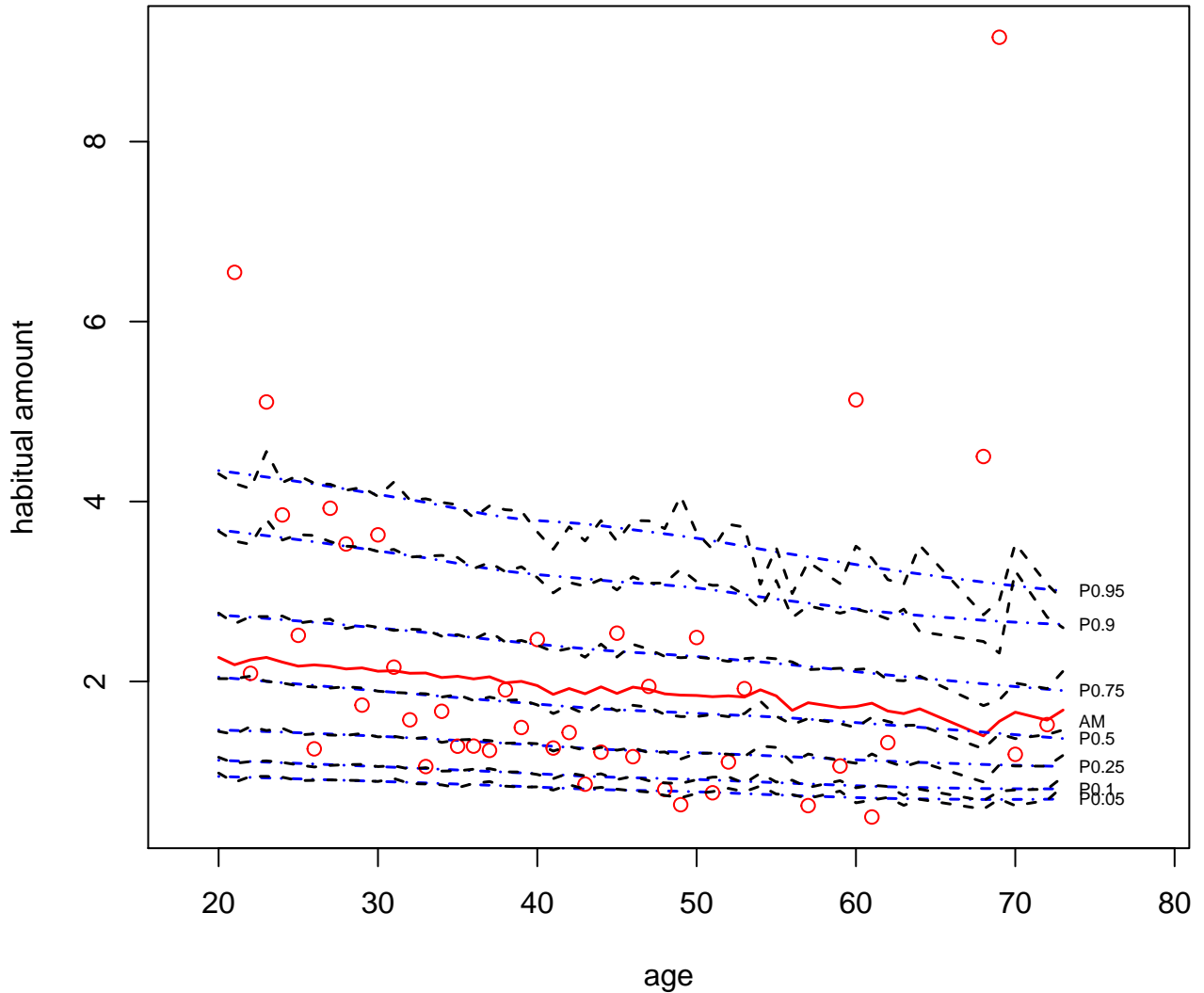
Histogram: residuals of model
intake.trans ~ fp(age)
women ; age 20–73 for b12 in uganda_h_2



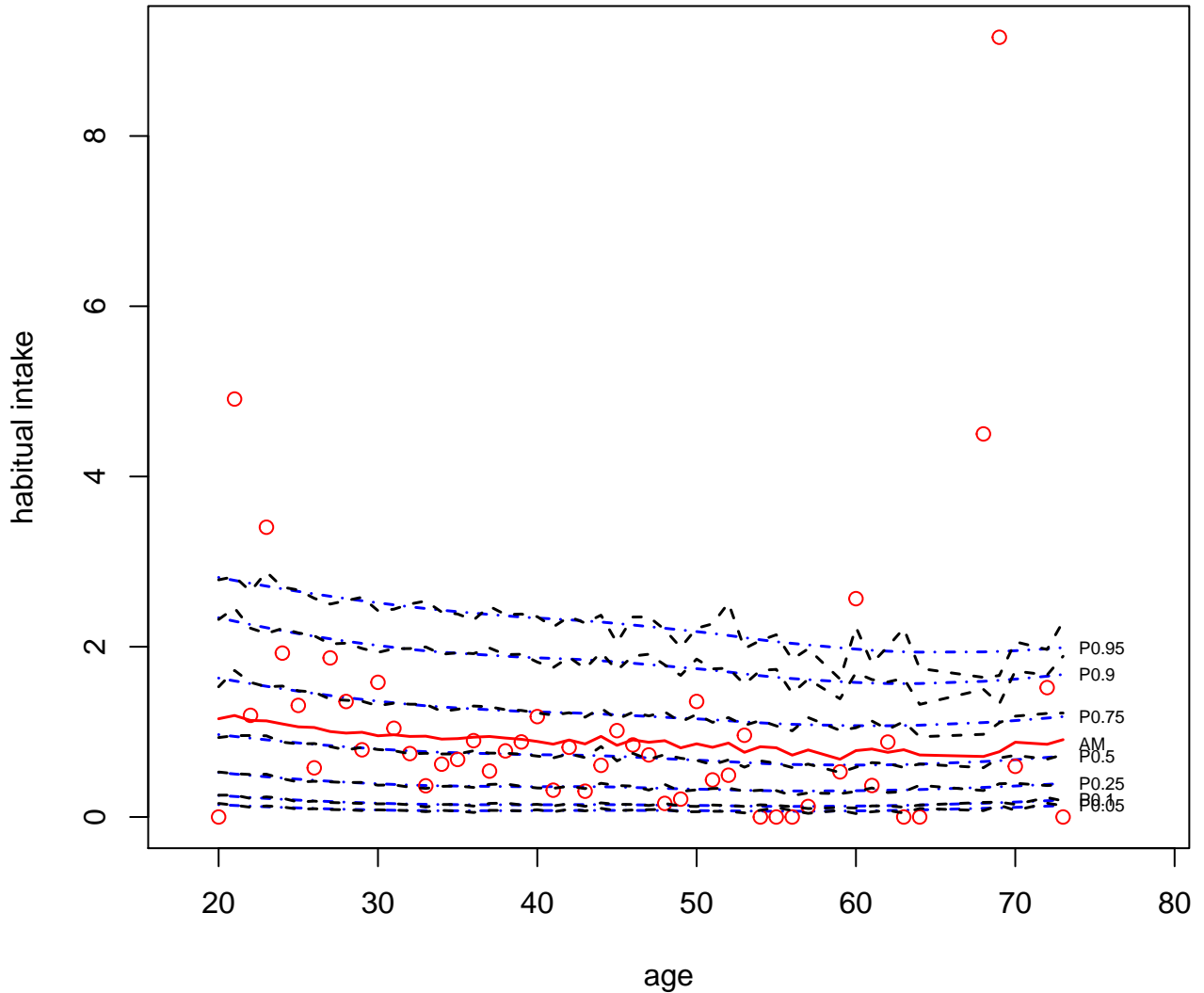
BB model: intake frequency distribution for b12 in uganda_h_2
women ; age 20–73
per person 100 simulated pseudo persons



Habitual amount distribution for b12 in uganda_h_2
women ; age 20-73
per person 100 simulated pseudo persons



Habitual amount distribution for b12 in uganda_h_2
women ; age 20–73
per person 100 simulated pseudo persons



Habitual intake distribution for b12 in uganda_h_2
 women ; age 20–73
 100 pseudo persons per person are simulated

