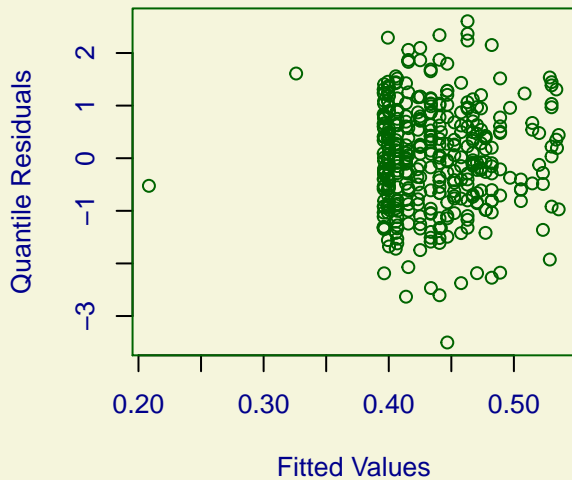
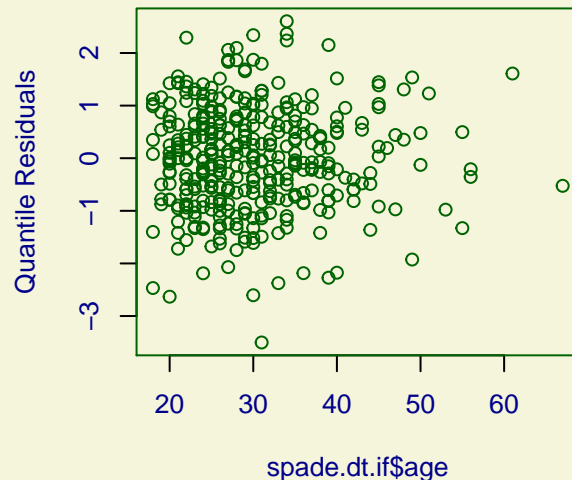


Diagnostic plot for Beta-Binomial model fit of
b12 in zambia_wom_2 women age 18 – 67

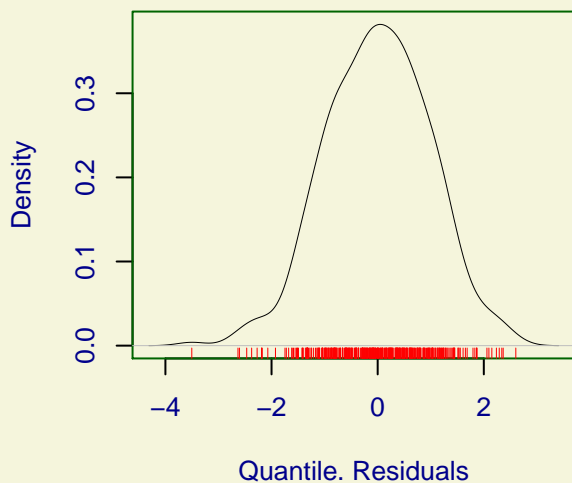
Against Fitted Values



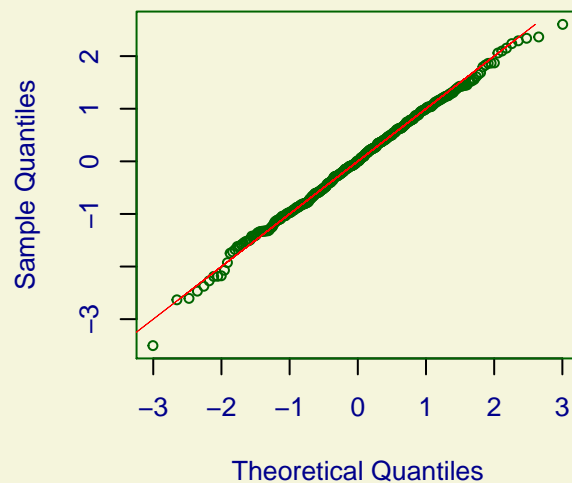
Against spade.dt.if\$age



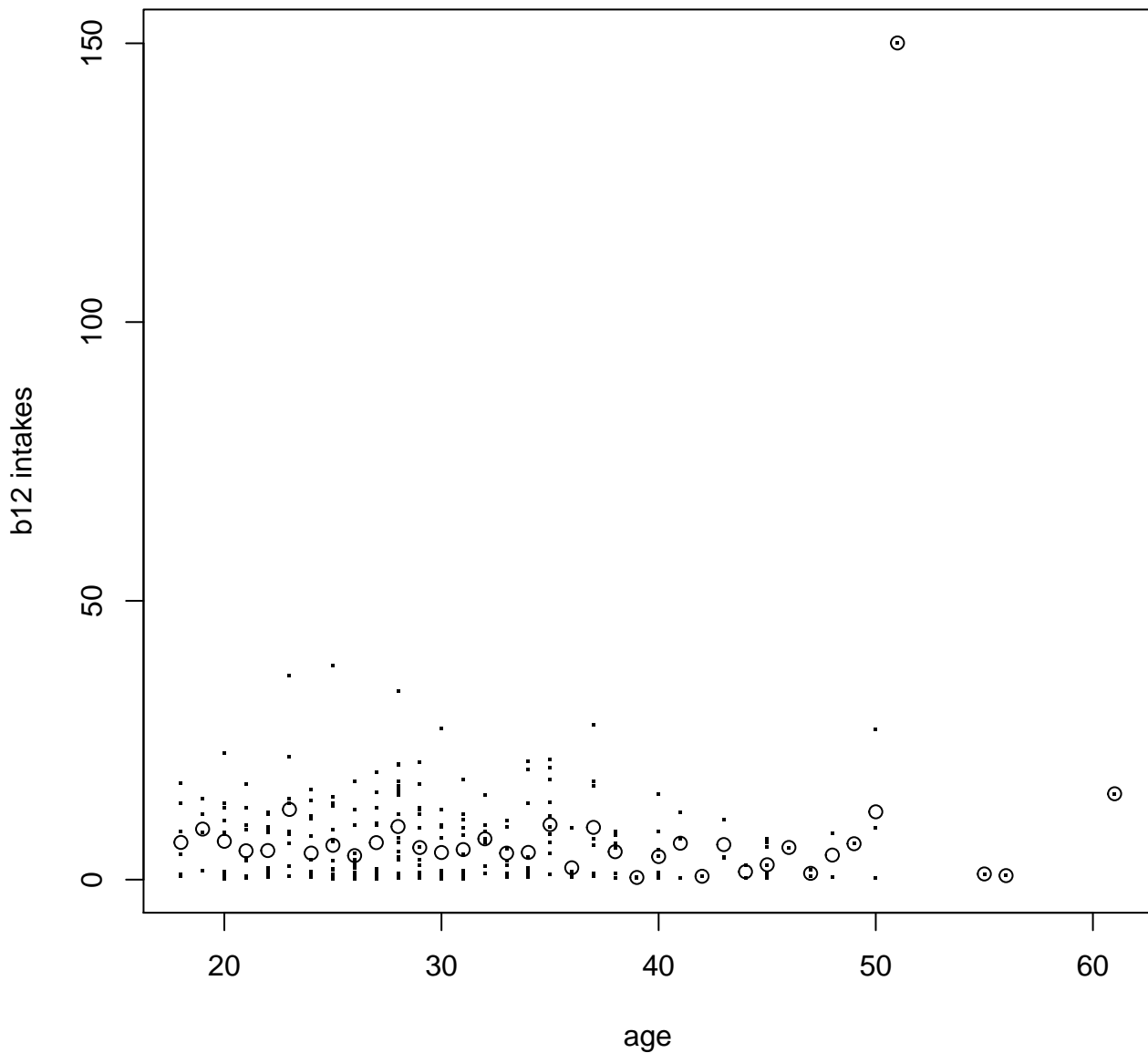
Density Estimate



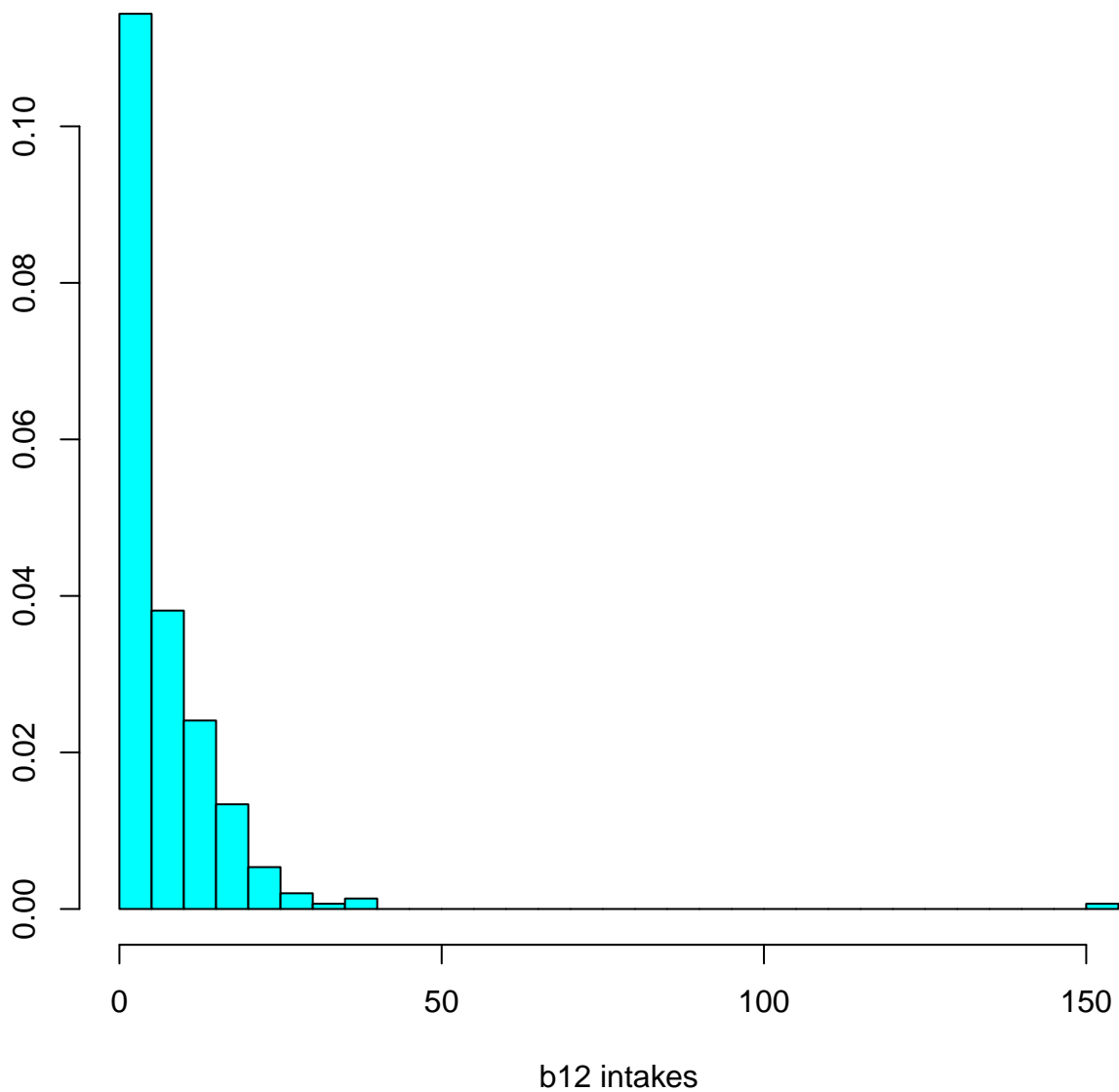
Normal Q-Q Plot



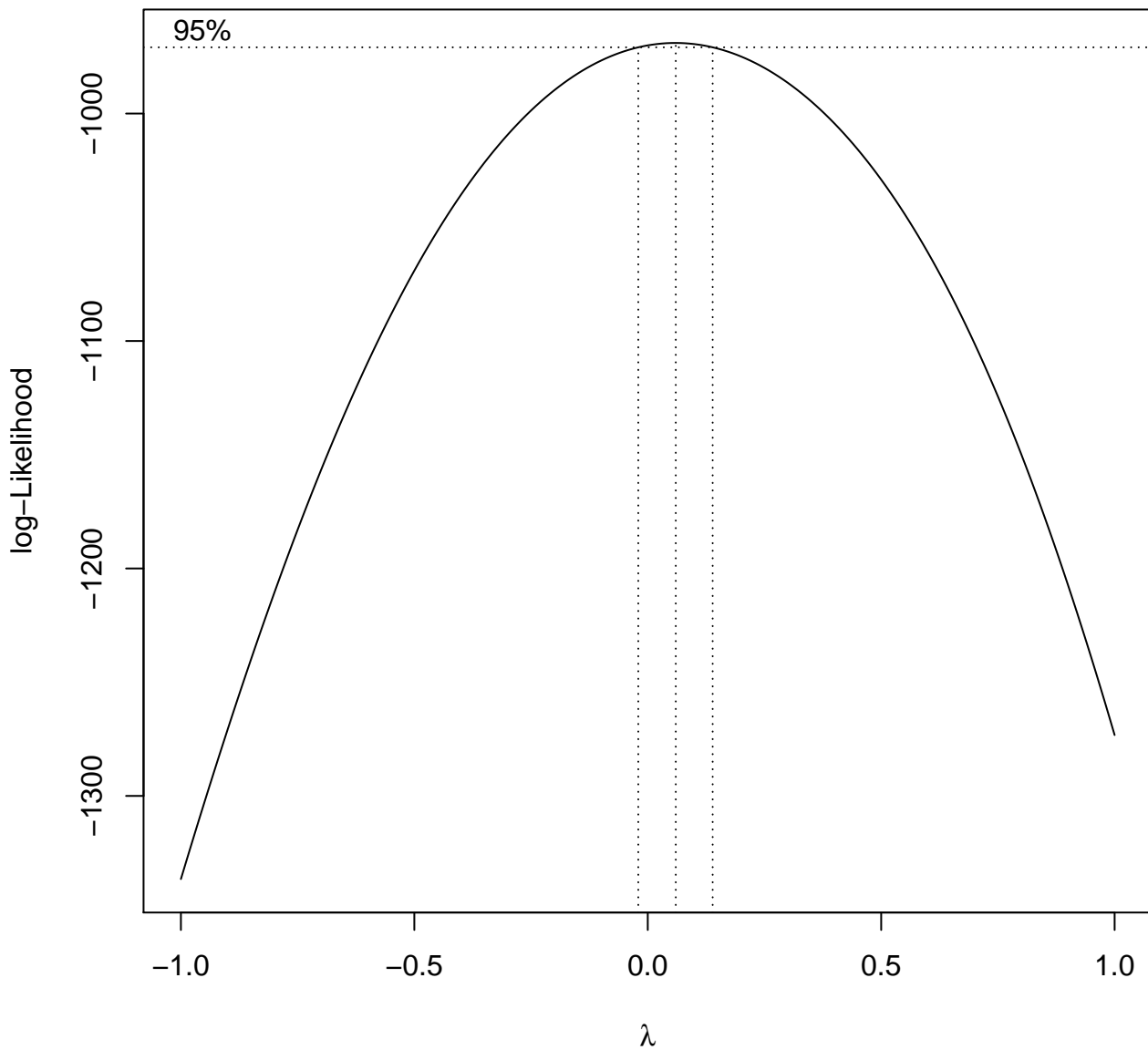
Original data for b12 in zambia_wom_2
women ; age 18-67



Original data for b12 in zambia_wom_2
women ; age 18-67

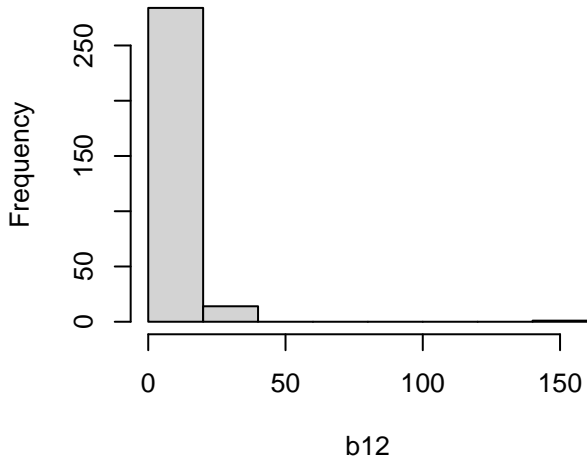


Box-Cox plot for original data for b12 in zambia_wom_2
women ; age 18-67
 $\lambda = 0.06$ $(-0.02, 0.13)$

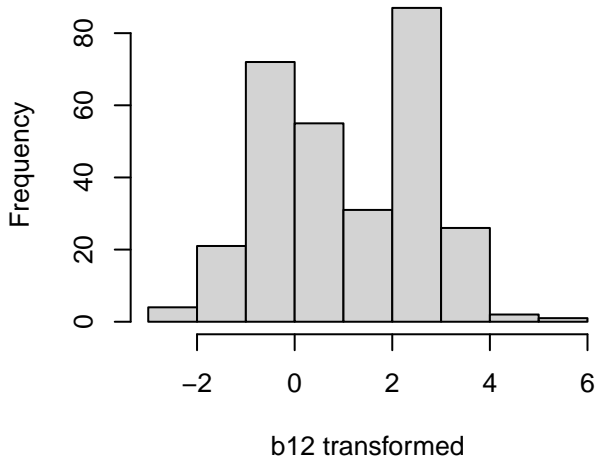


Diagnostic plots for b12 in zambia_wom_2
women ; age 18–67

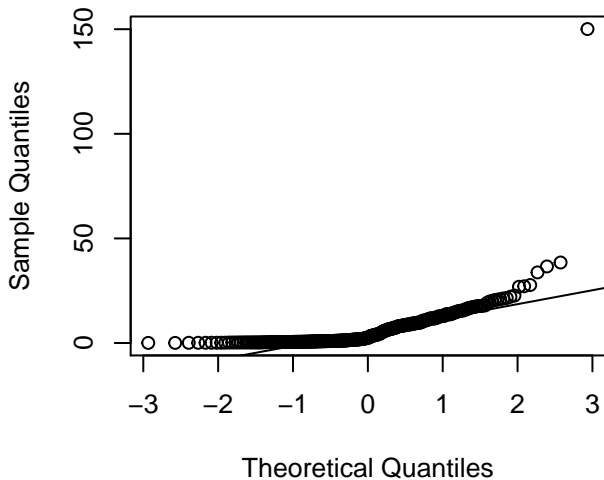
**Intakes before
Box–Cox trans.**



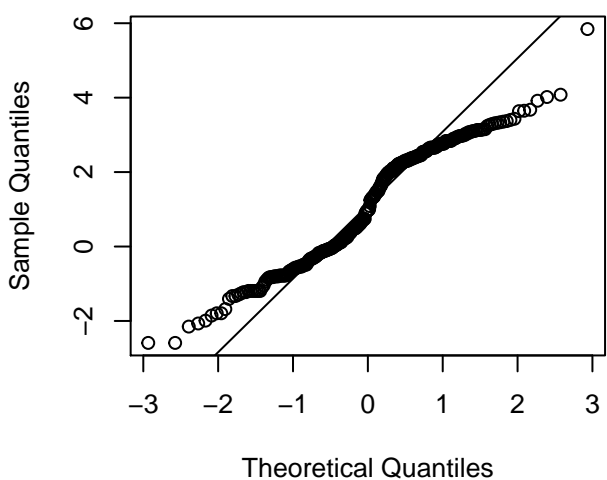
**Intakes after
Box–Cox trans.**



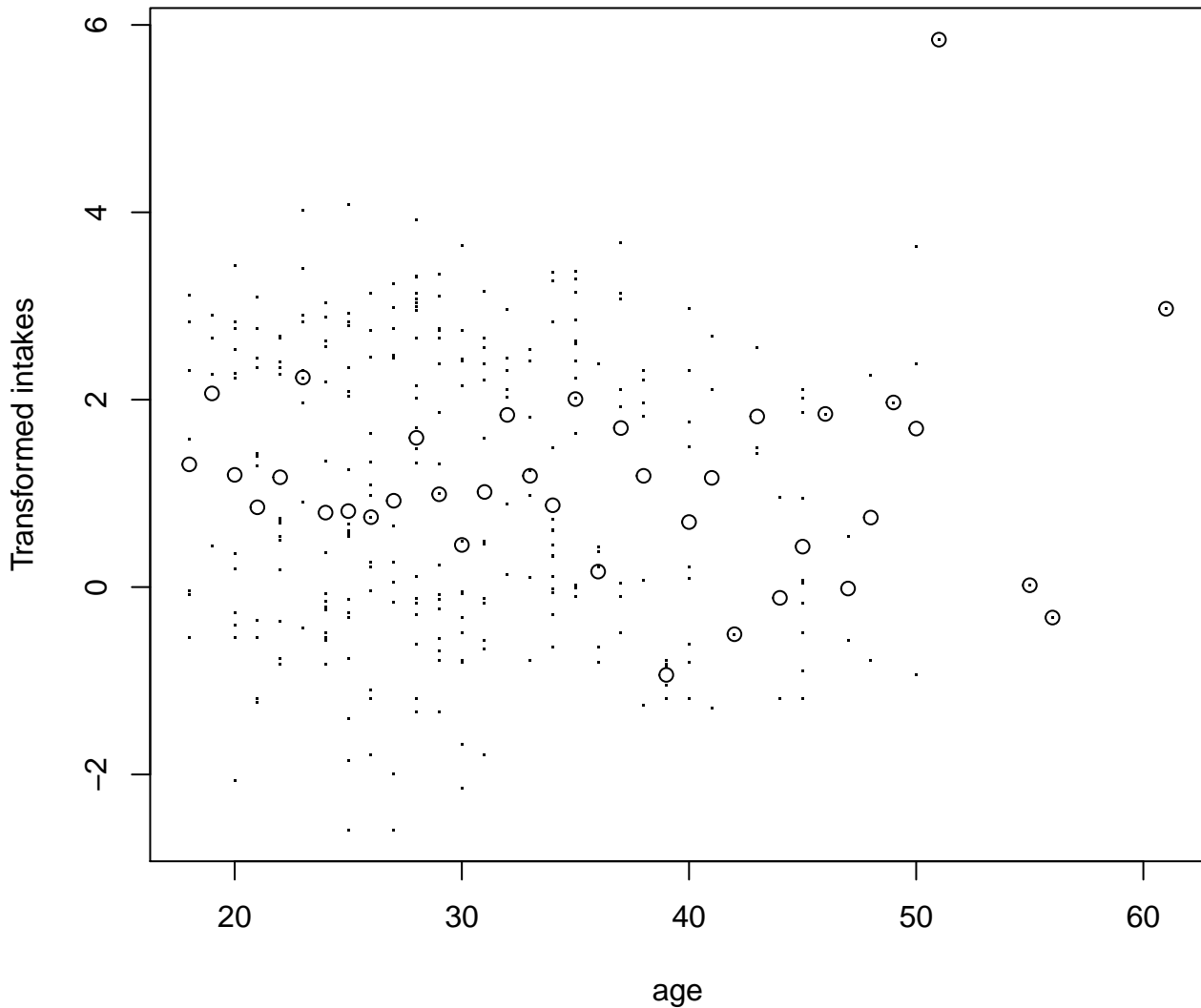
**Normal Q–Q plot
Original intakes**



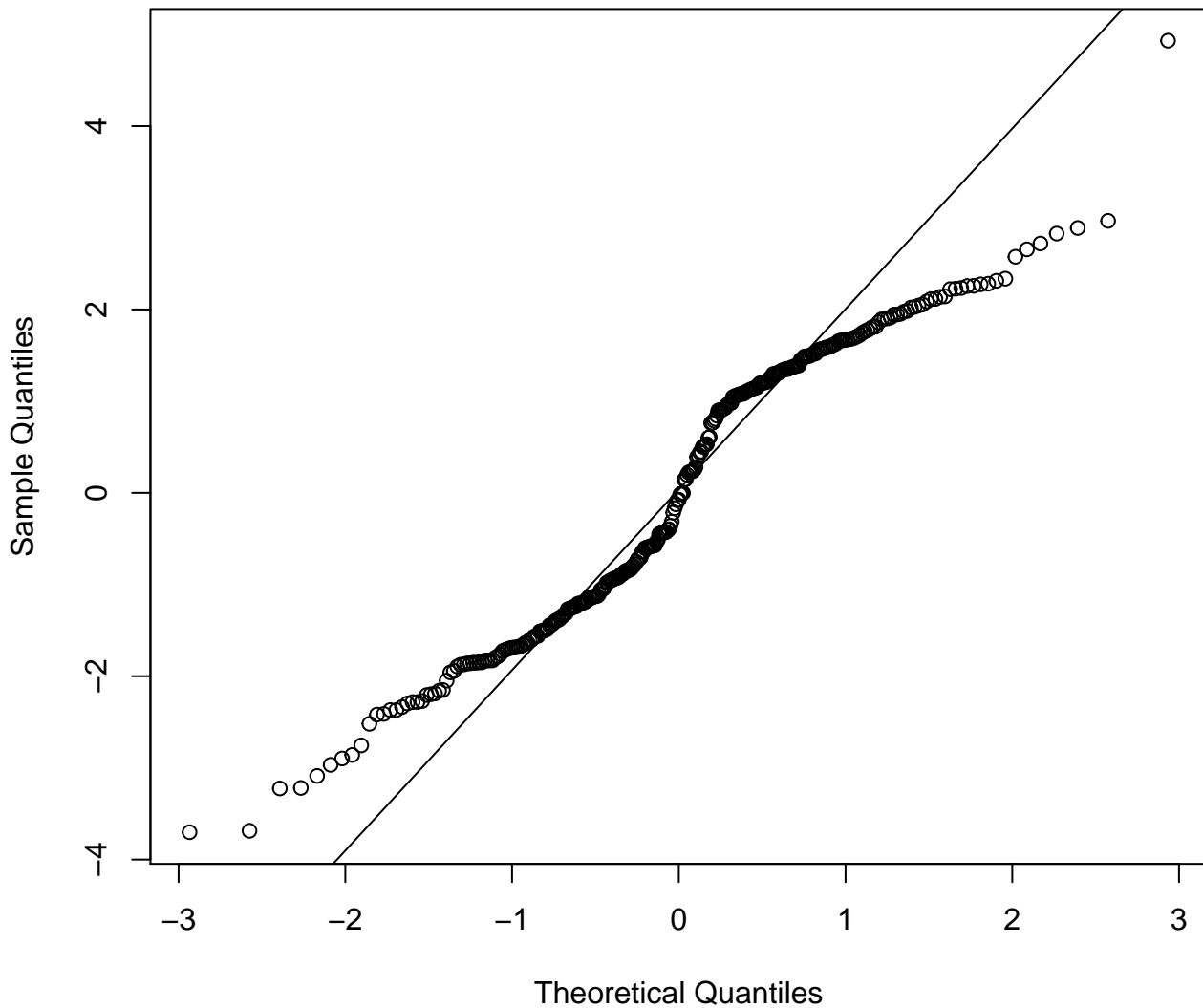
**BoxCox transformed intakes
lambda = 0.06**



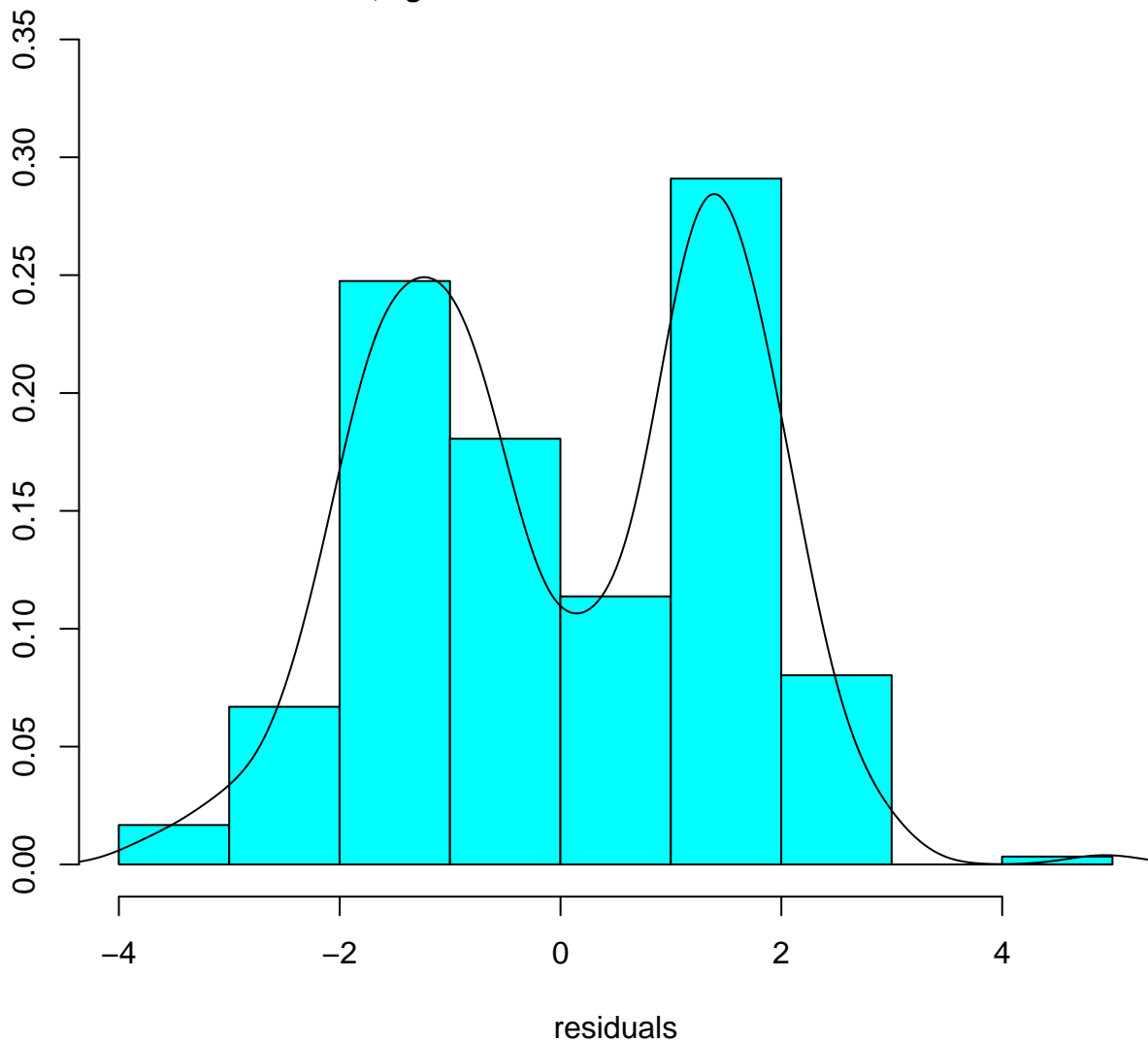
Transformed data for b12 in zambia_wom_2
women ; age 18–67 lambda = 0.06



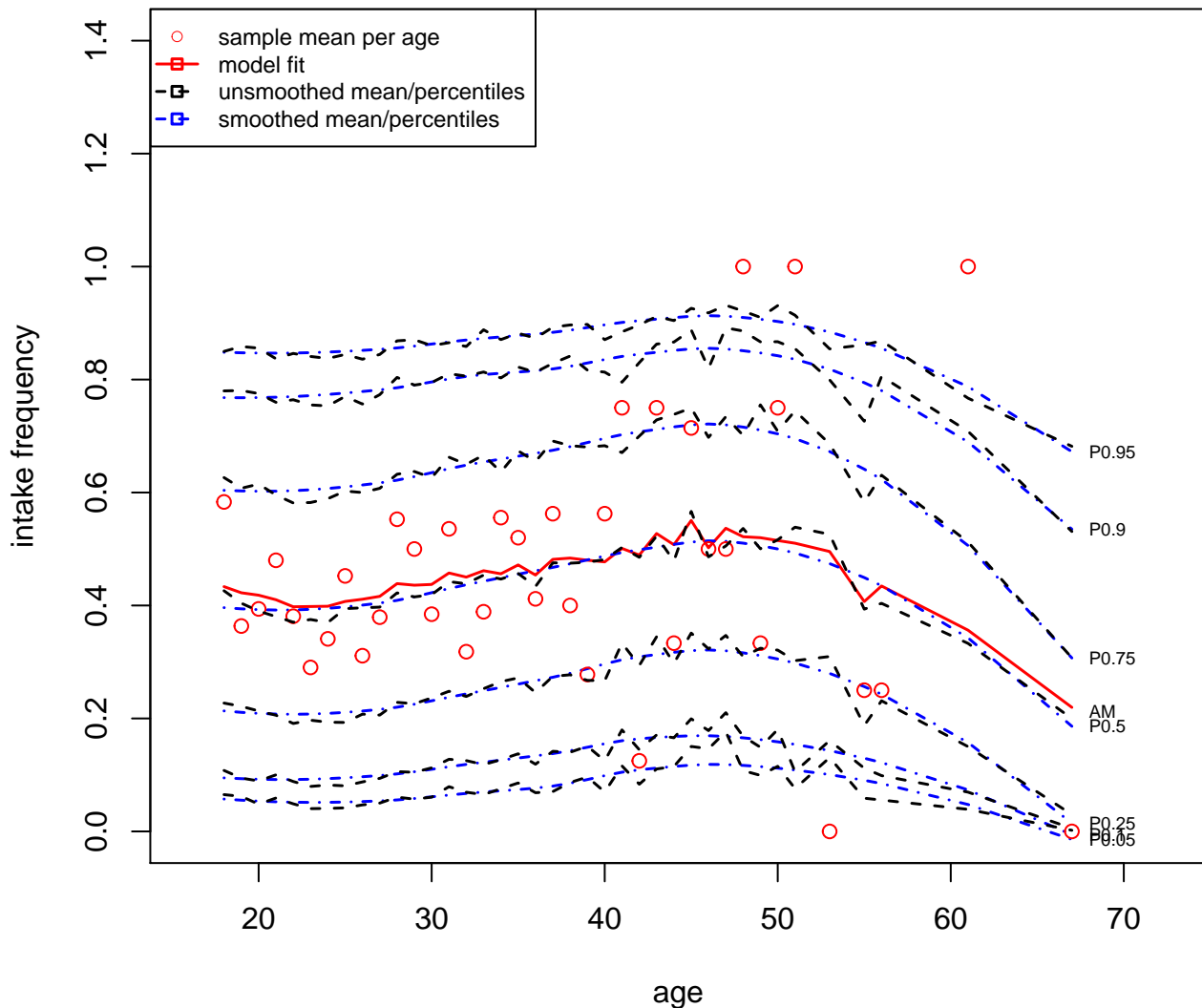
QQ-normal: residuals of model
intake.trans ~ fp(age)
women ; age 18-67 for b12 in zambia_wom_2



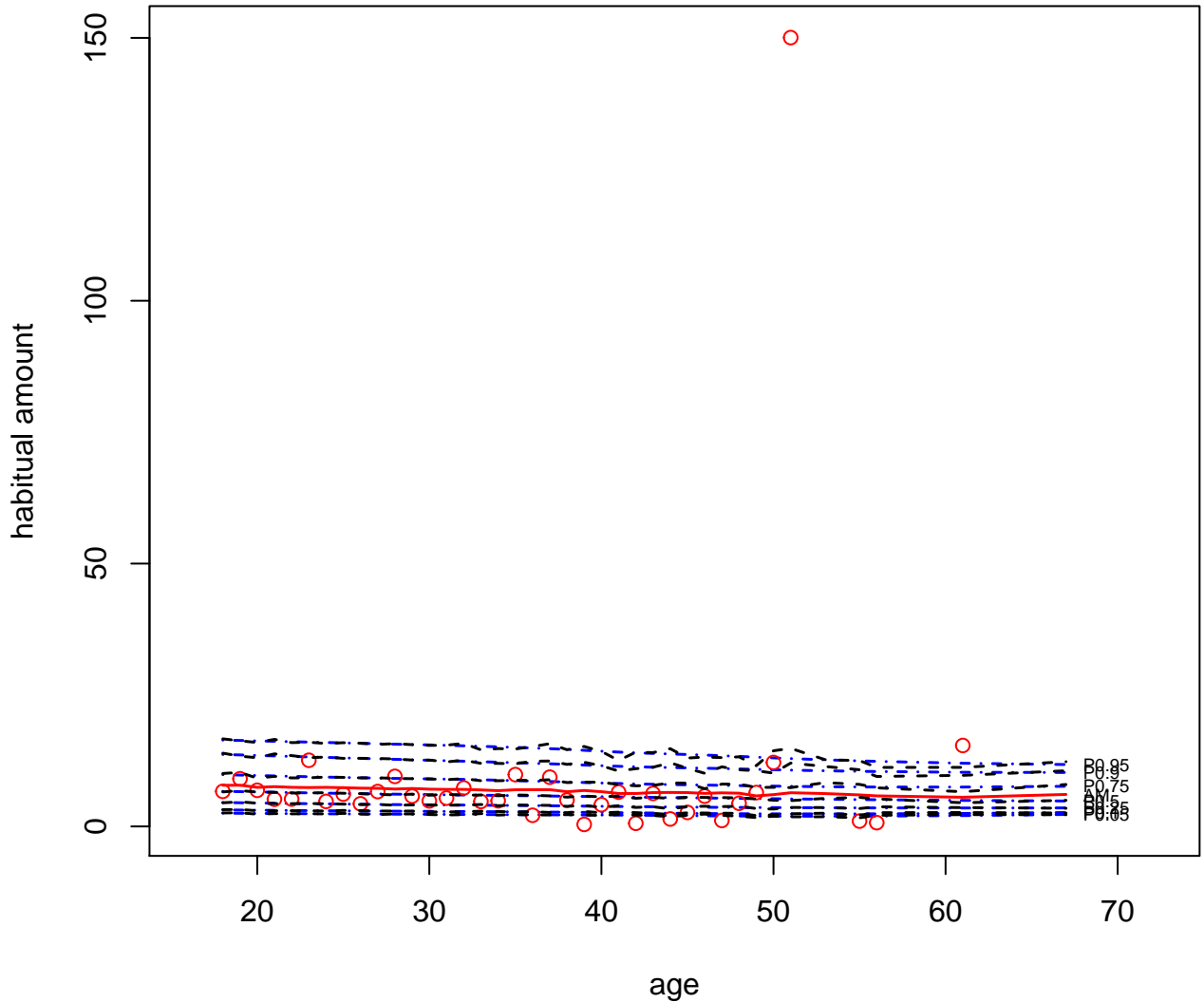
Histogram: residuals of model
intake.trans ~ fp(age)
women ; age 18–67 for b12 in zambia_wom_2



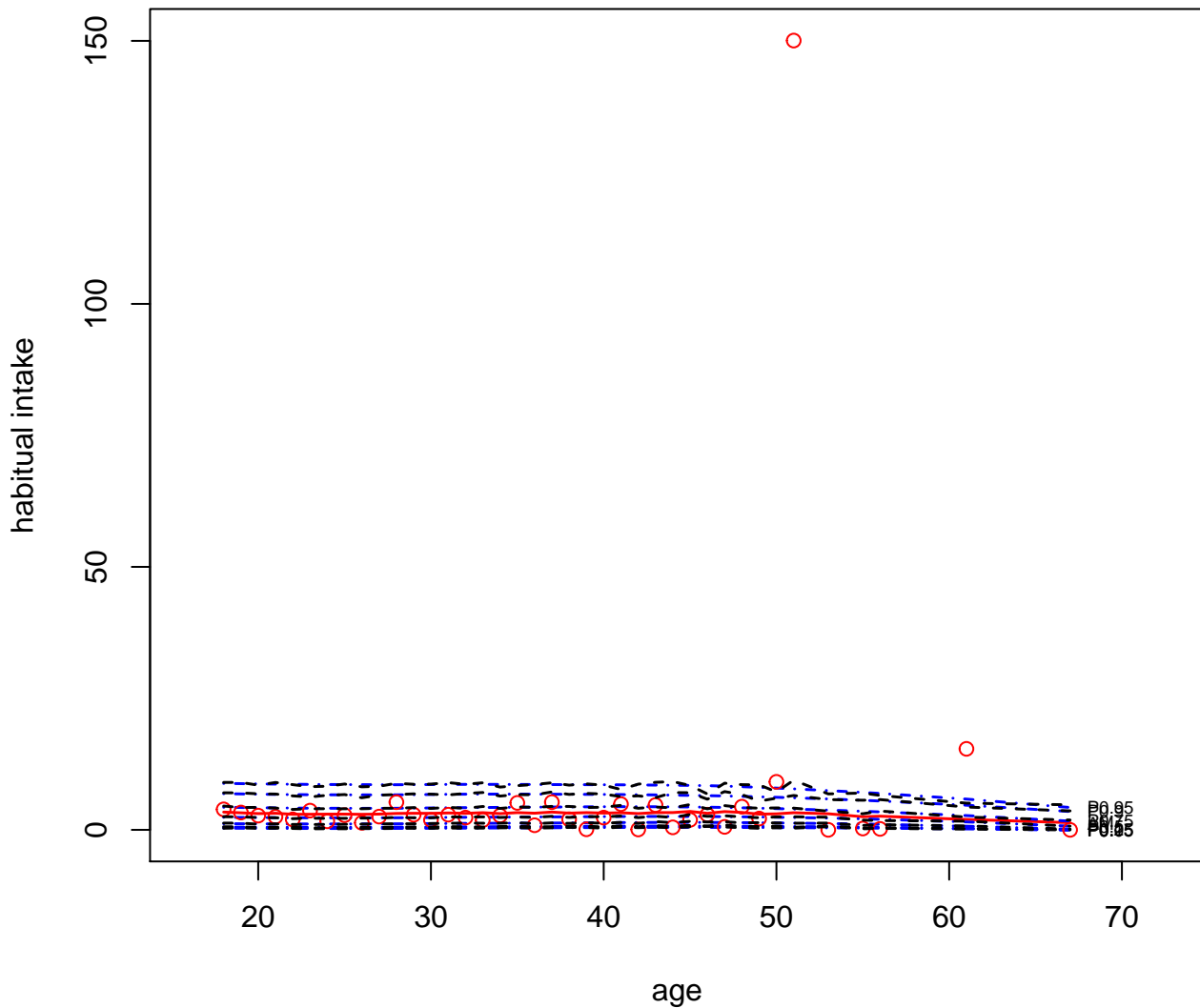
BB model: intake frequency distribution for b12 in zambia_wom_2
women ; age 18-67
per person 100 simulated pseudo persons



Habitual amount distribution for b12 in zambia_wom_2
women ; age 18–67
per person 100 simulated pseudo persons



Habitual amount distribution for b12 in zambia_wom_2
women ; age 18–67
per person 100 simulated pseudo persons



Habitual intake distribution for b12 in zambia_wom_2
women ; age 18–67
100 pseudo persons per person are simulated

