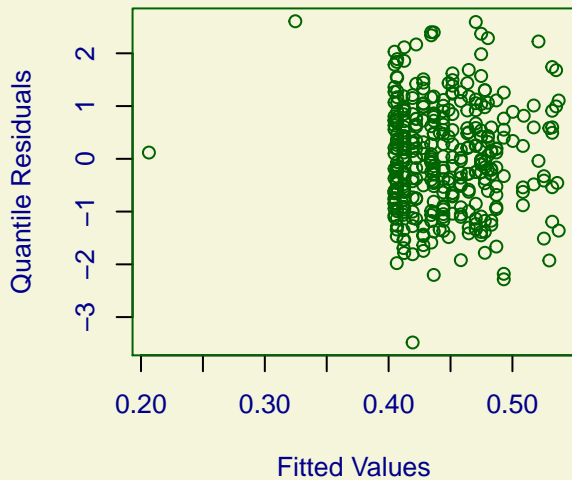
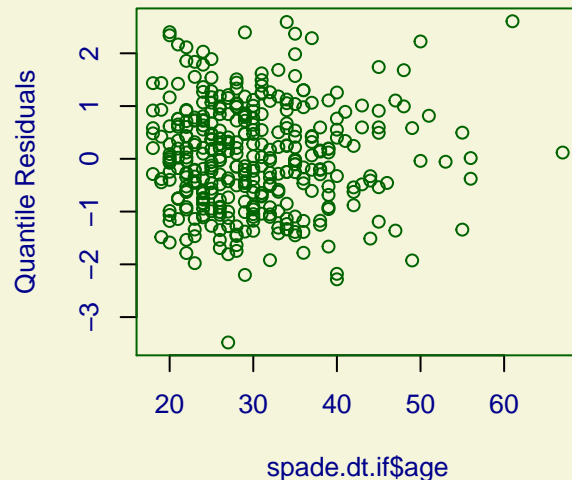


Diagnostic plot for Beta-Binomial model fit of  
b12 in zambia\_wom\_2 women age 18 – 67

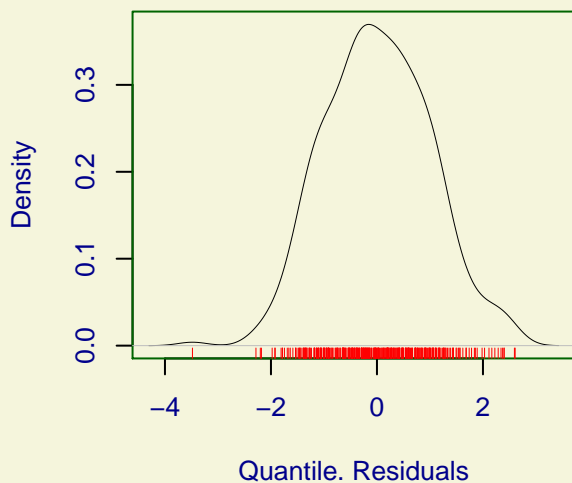
Against Fitted Values



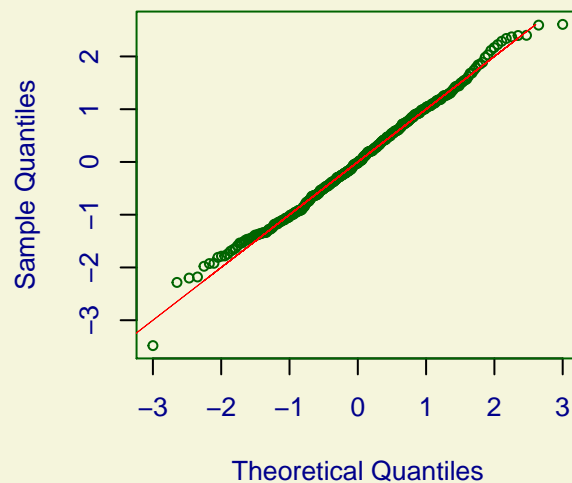
Against spade.dt.if\$age



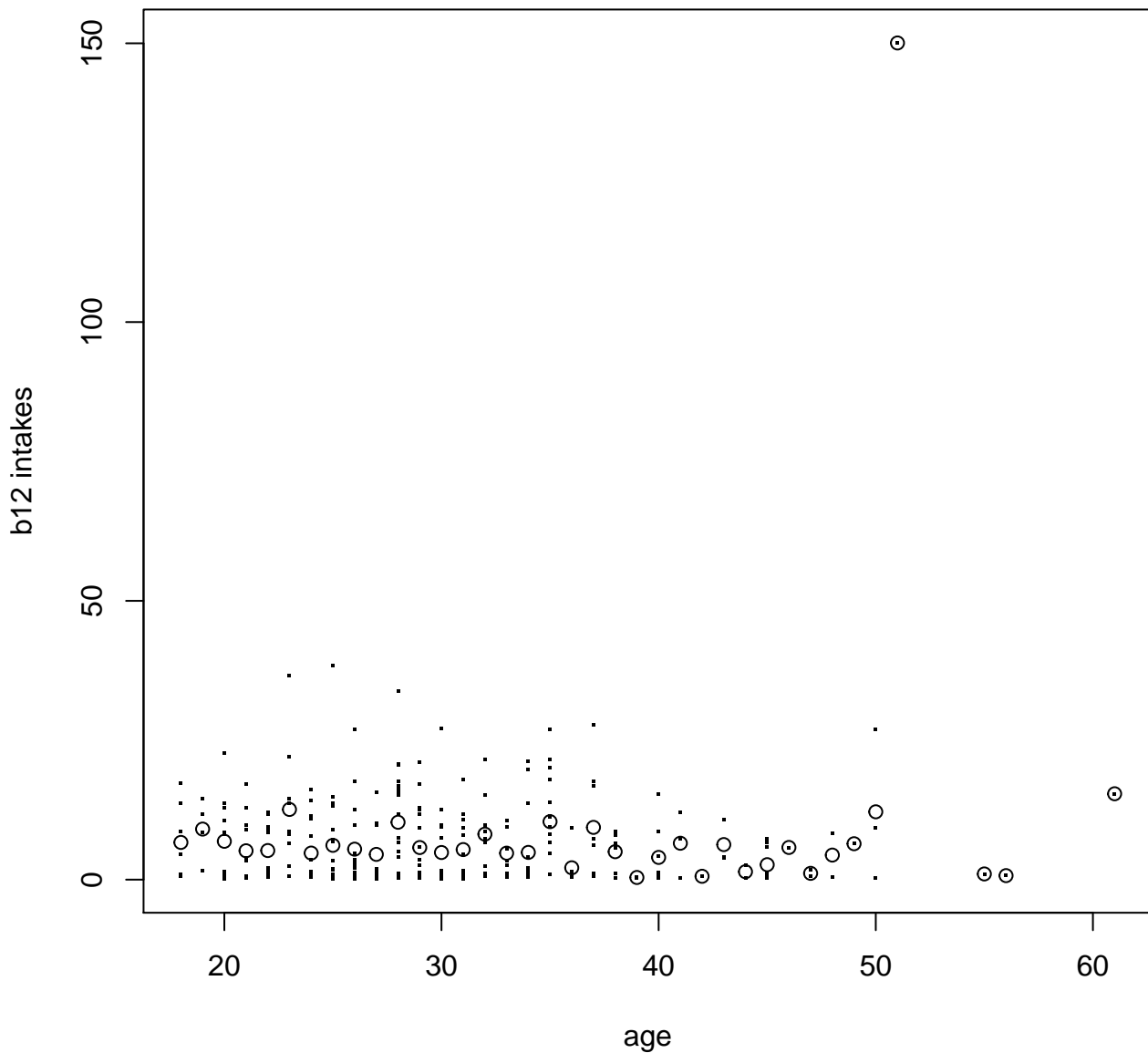
Density Estimate



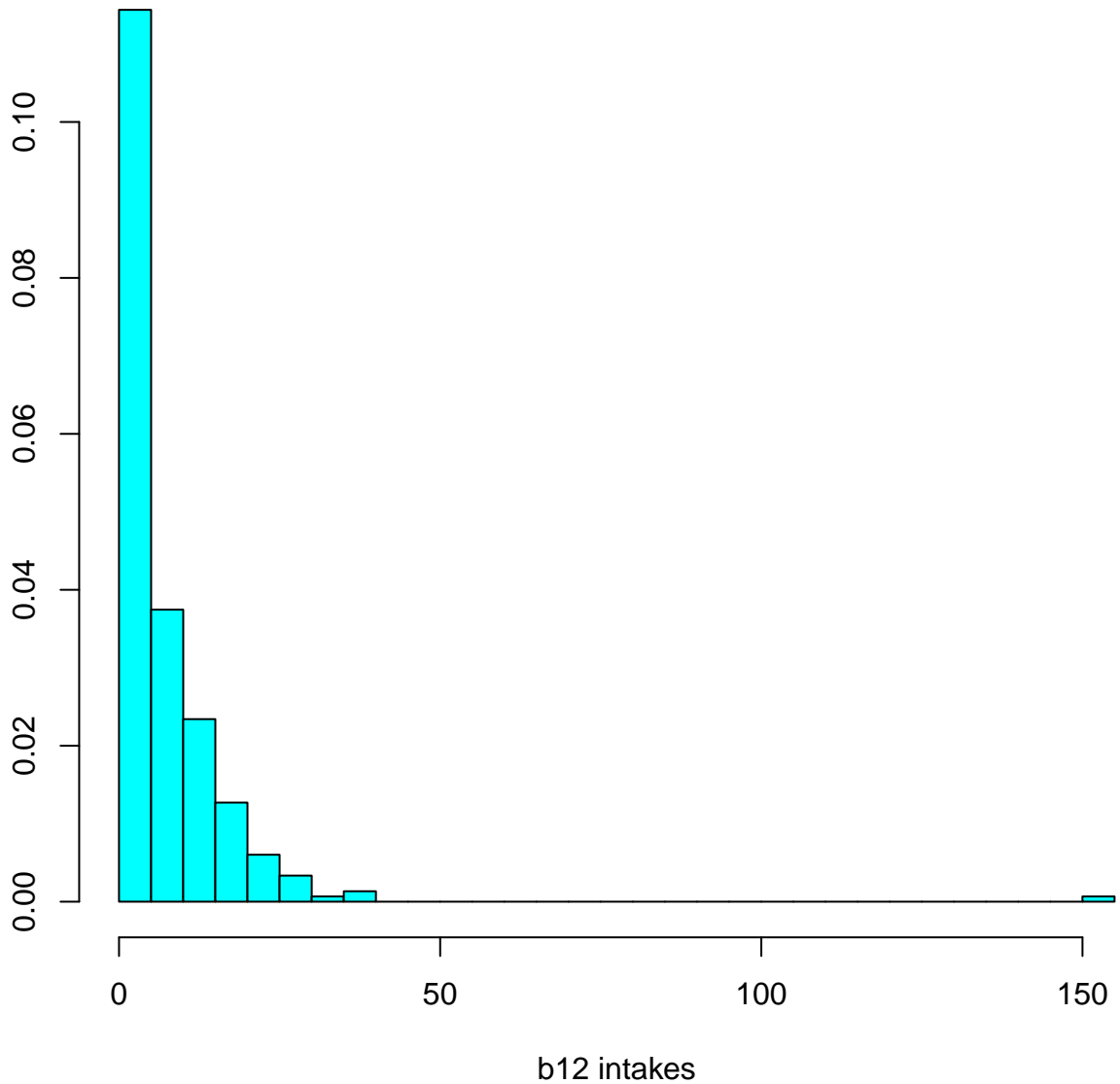
Normal Q-Q Plot



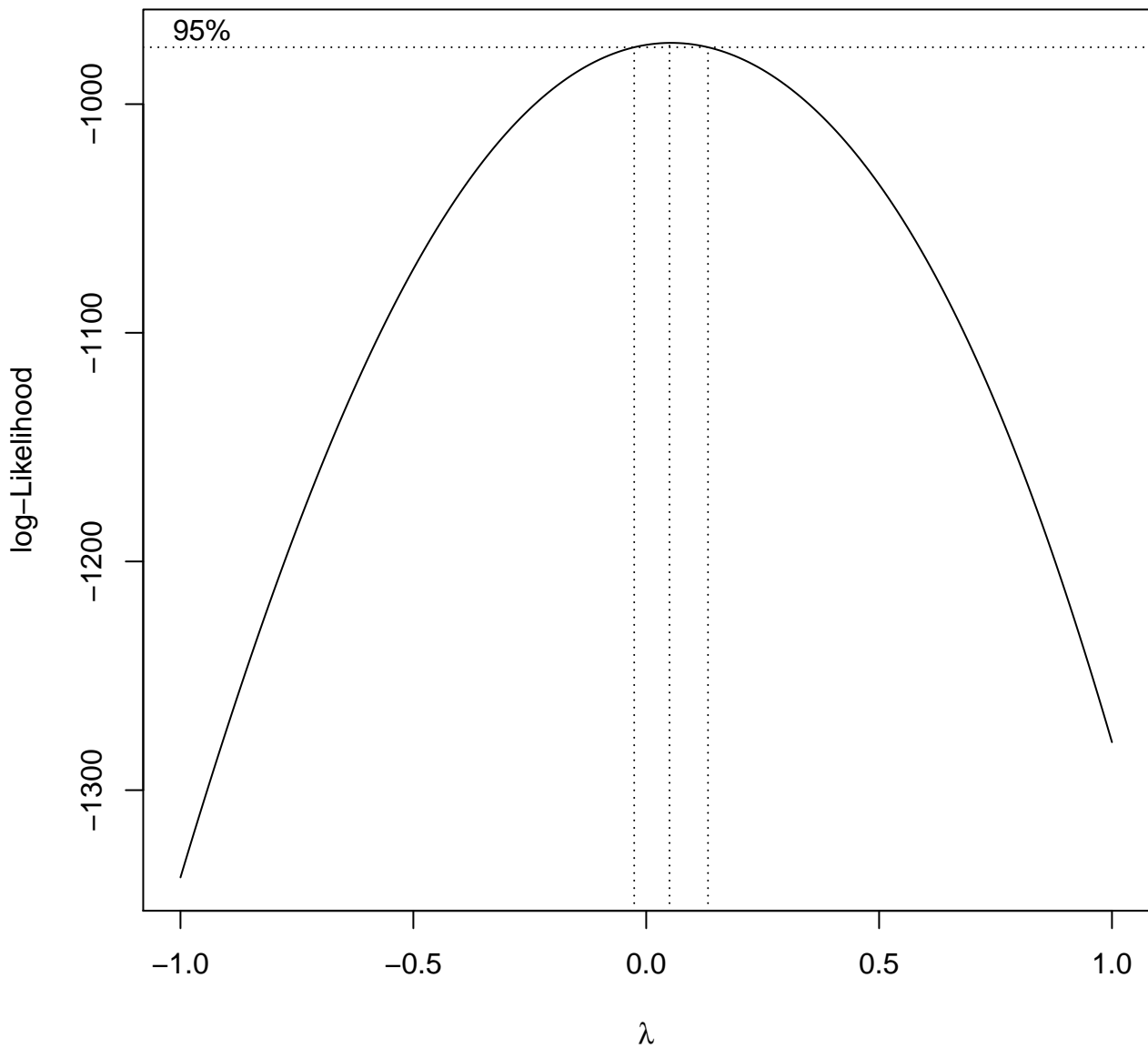
Original data for b12 in zambia\_wom\_2  
women ; age 18-67



**Original data for b12 in zambia\_wom\_2**  
**women ; age 18-67**

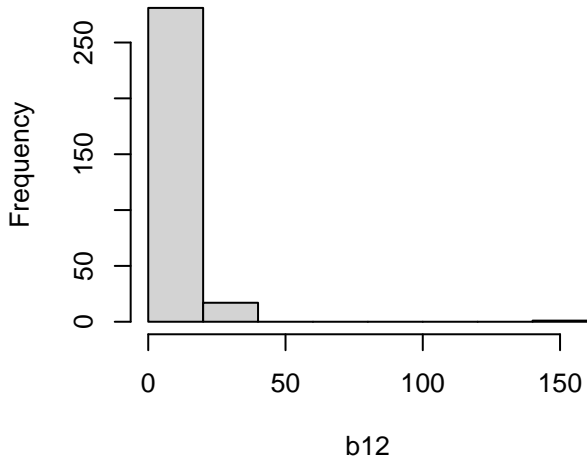


Box-Cox plot for original data for b12 in zambia\_wom\_2  
women ; age 18-67  
 $\lambda = 0.052$   $(-0.02, 0.13)$

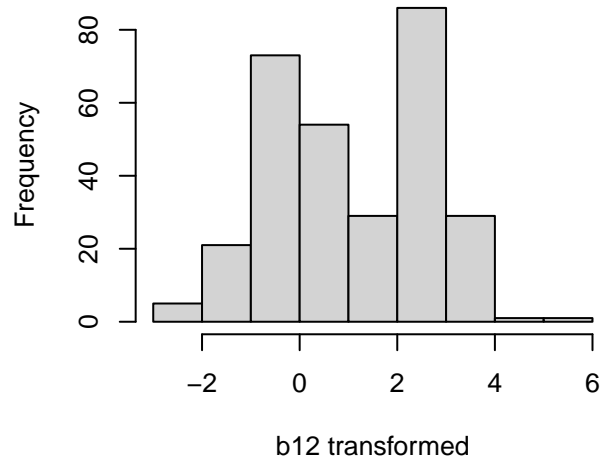


Diagnostic plots for b12 in zambia\_wom\_2  
women ; age 18–67

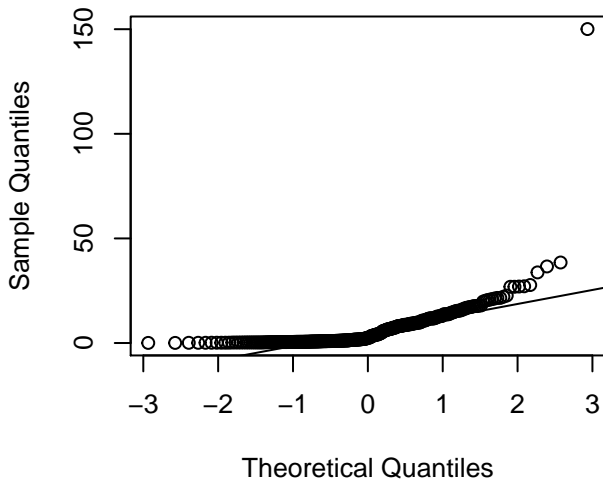
**Intakes before  
Box–Cox trans.**



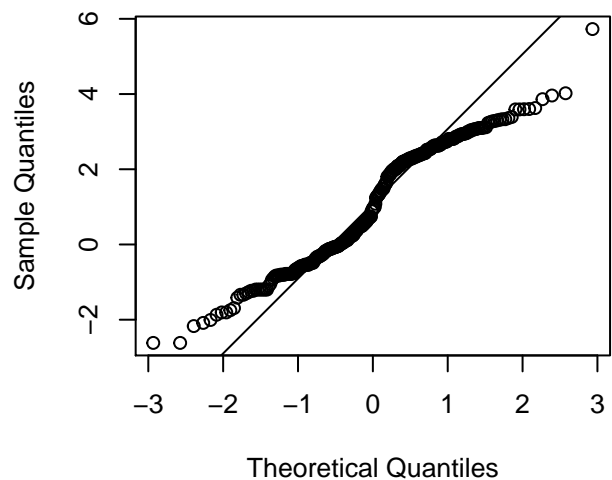
**Intakes after  
Box–Cox trans.**



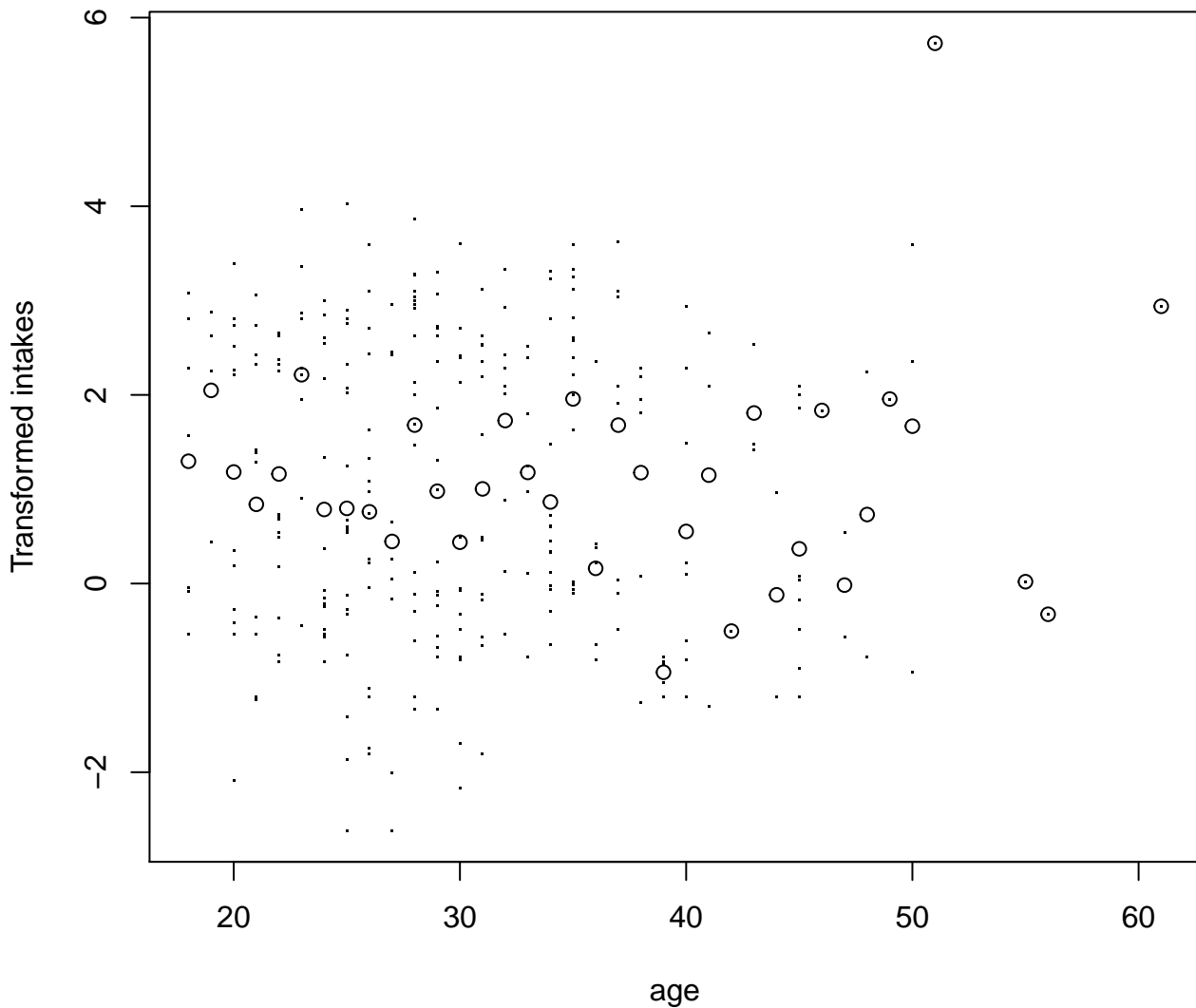
**Normal Q–Q plot  
Original intakes**



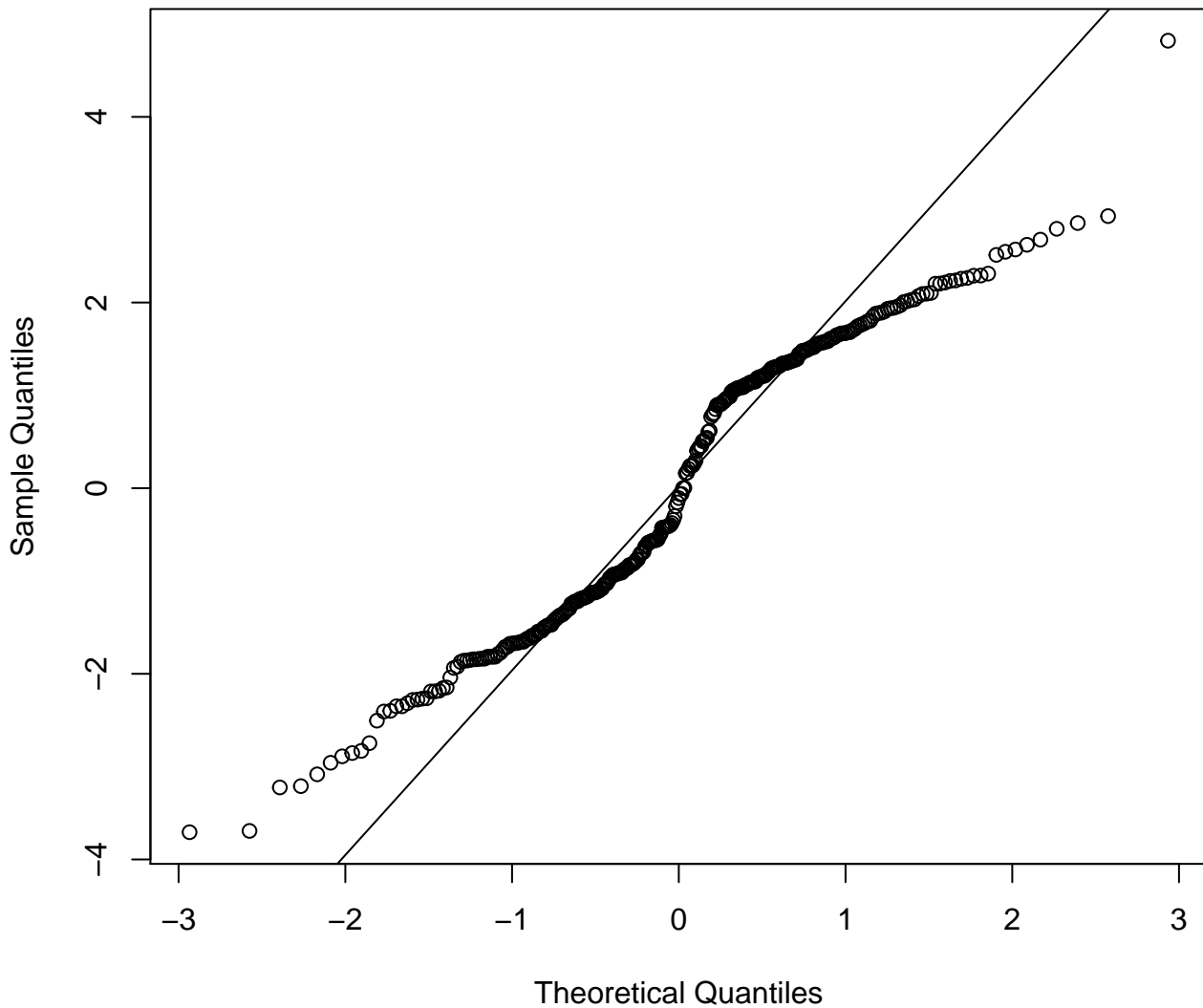
**BoxCox transformed intakes  
lambda = 0.052**



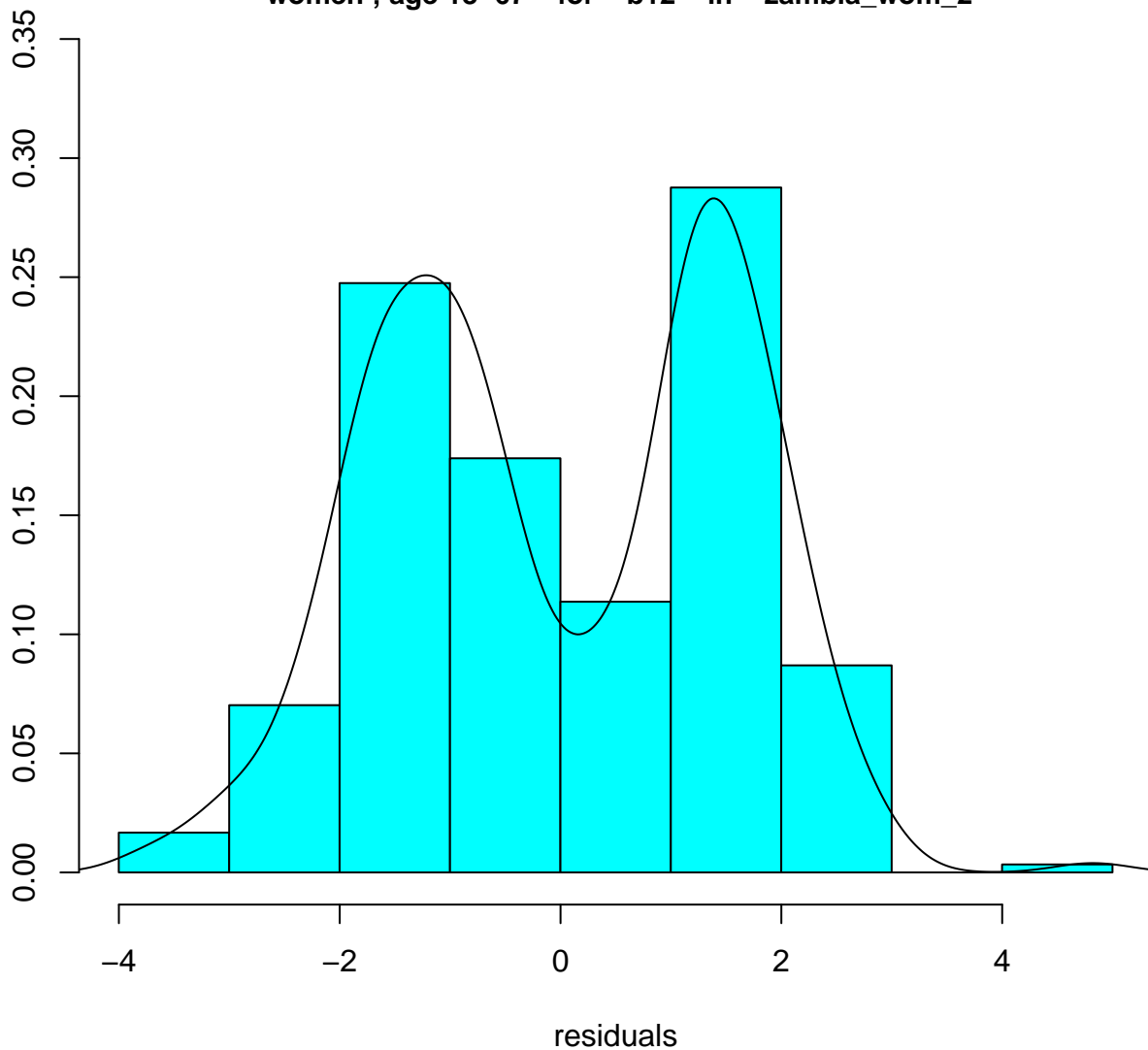
**Transformed data for b12 in zambia\_wom\_2**  
**women ; age 18-67    lambda = 0.052**



QQ-normal: residuals of model  
intake.trans ~ fp(age)  
women ; age 18-67 for b12 in zambia\_wom\_2

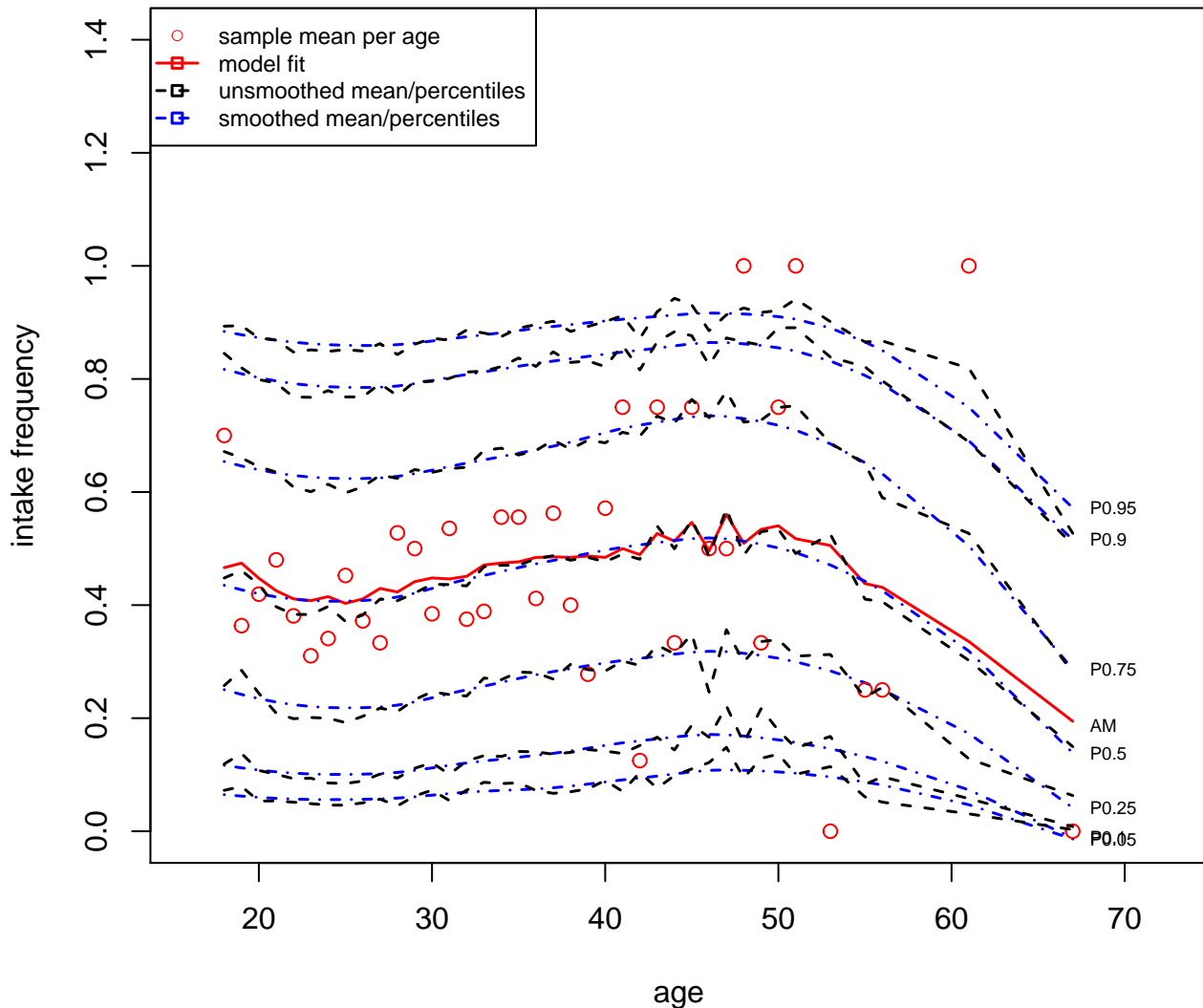


**Histogram: residuals of model**  
**intake.trans ~ fp(age)**  
**women ; age 18–67 for b12 in zambia\_wom\_2**

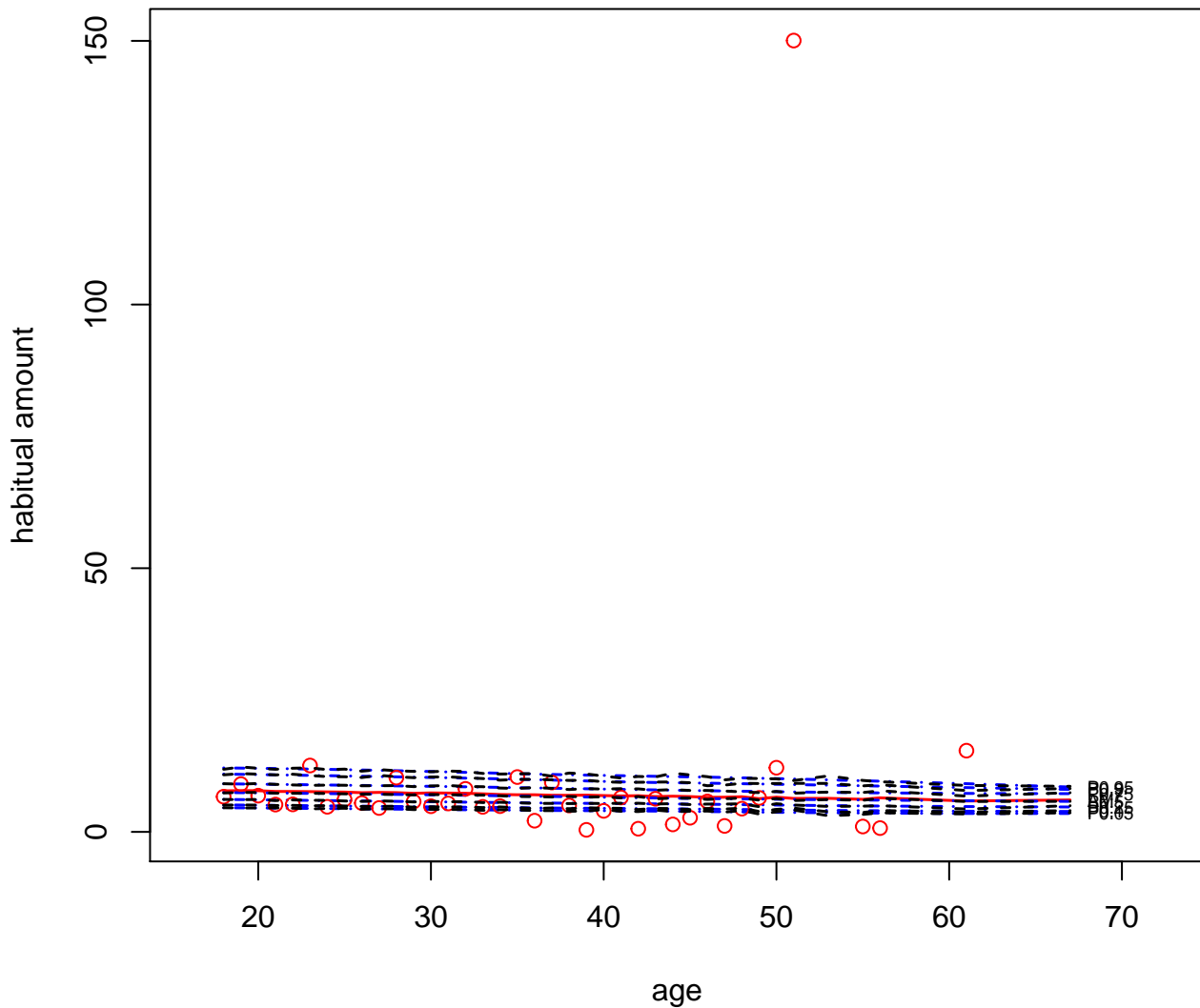




**BB model: intake frequency distribution for b12 in zambia\_wom\_2**  
**women ; age 18–67**  
**per person 100 simulated pseudo persons**



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

