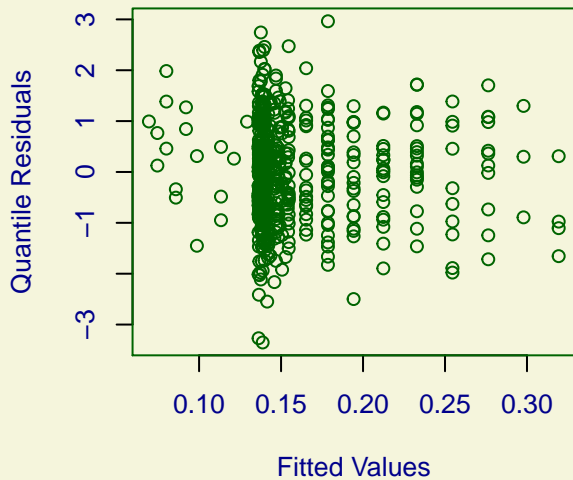
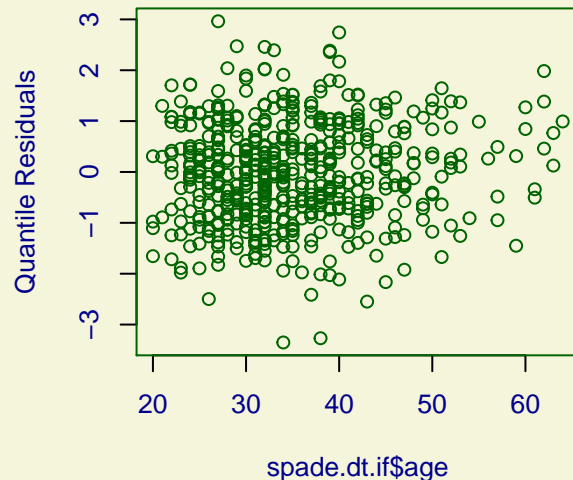


Diagnostic plot for Beta-Binomial model fit of
red_meat in uganda_h women age 20 – 67

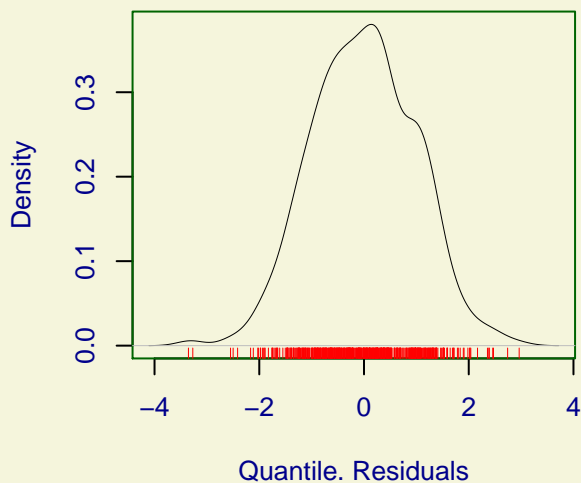
Against Fitted Values



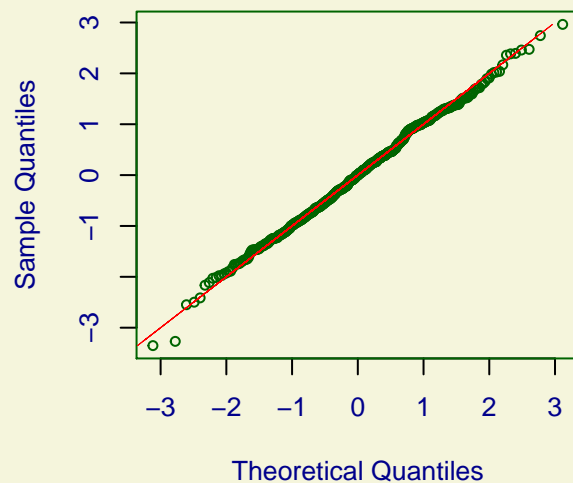
Against spade.dt.if\$age



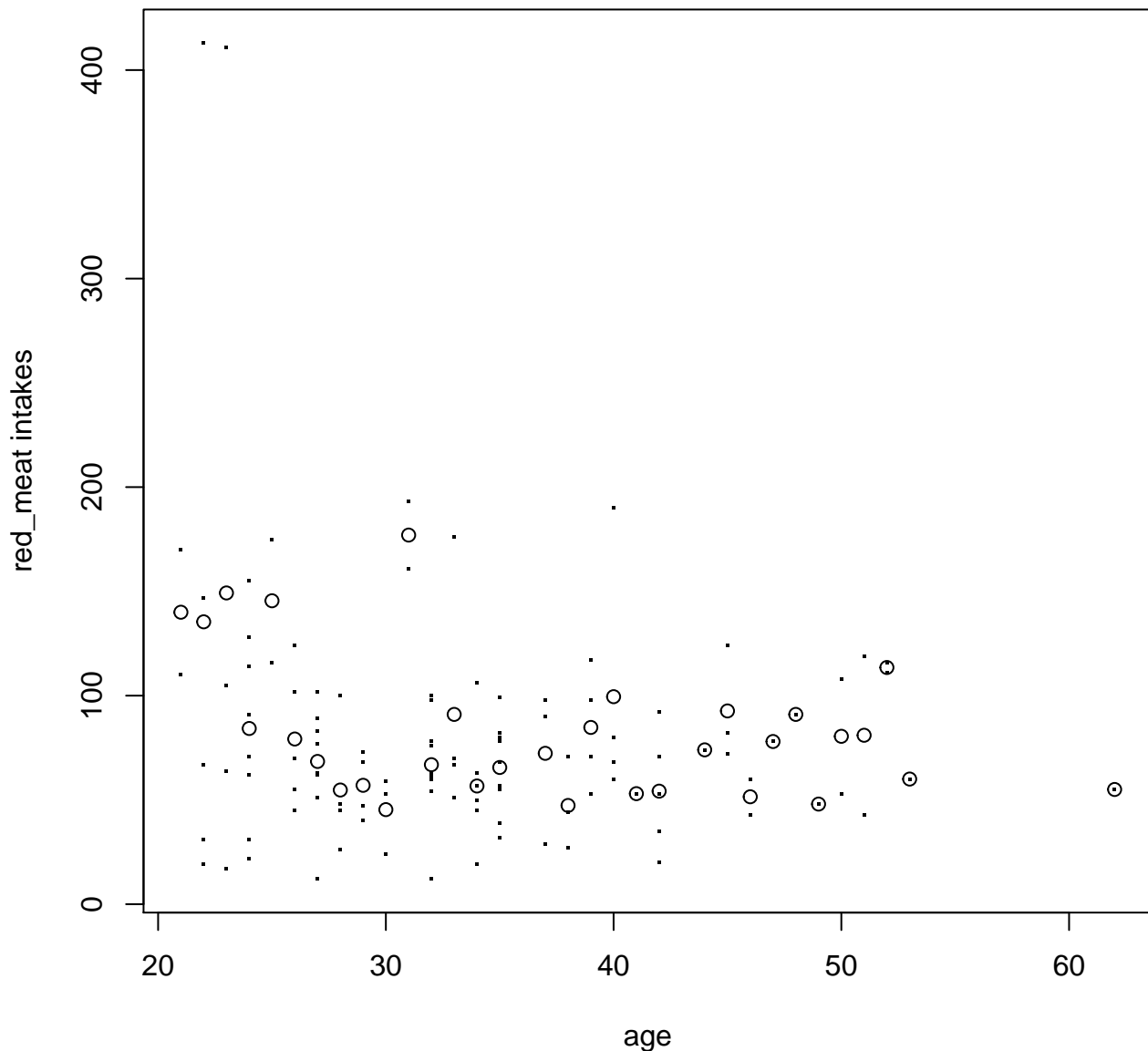
Density Estimate



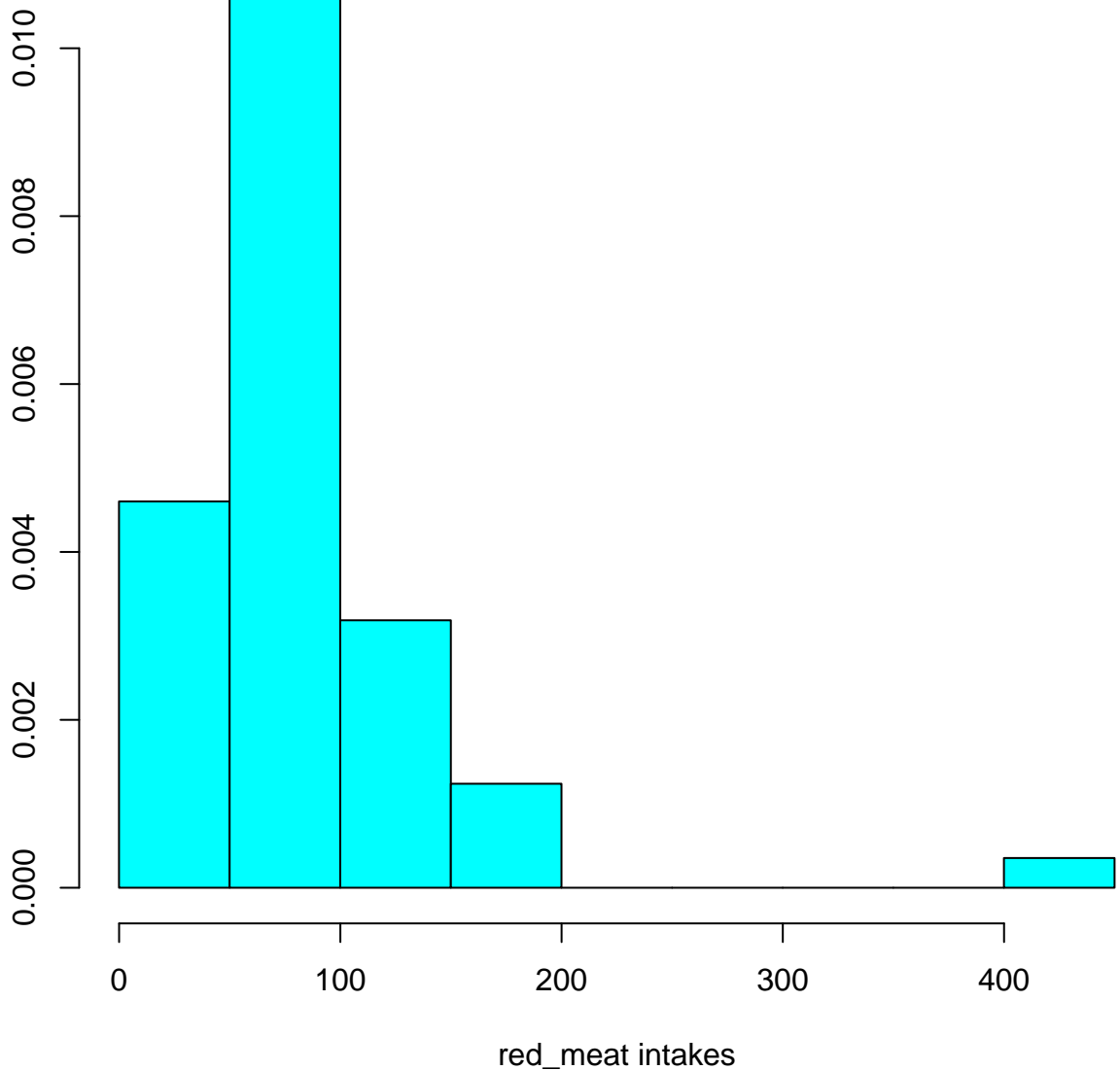
Normal Q-Q Plot



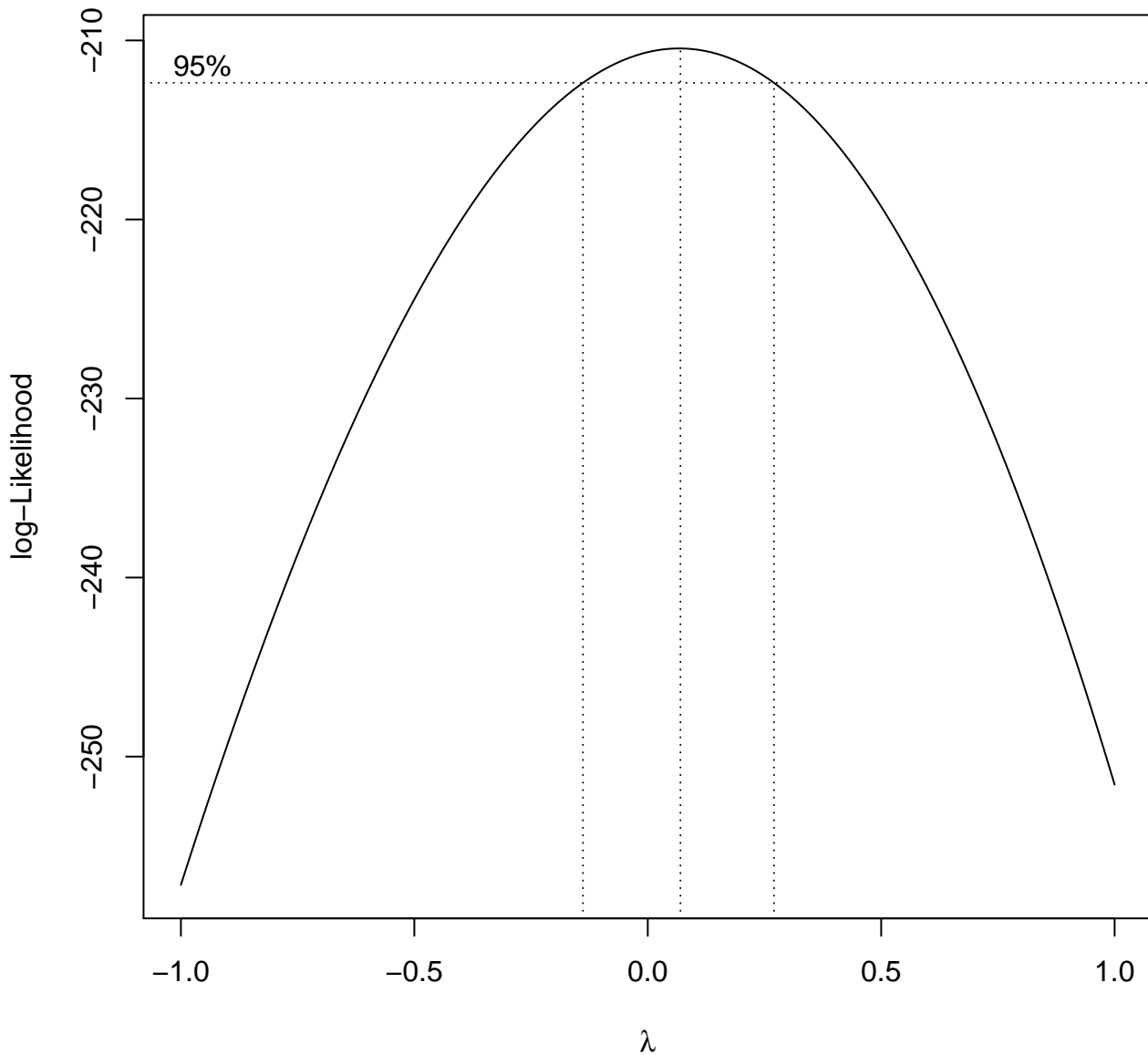
Original data for red_meat in uganda_h
women ; age 20-67



**Original data for red_meat in uganda_h
women ; age 20-67**

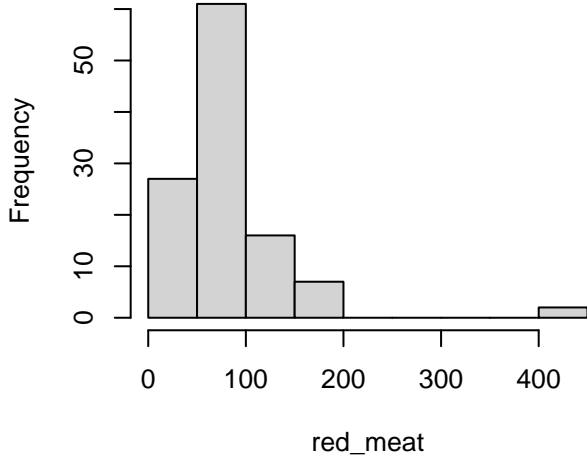


Box-Cox plot for original data for red_meat in uganda_h
women ; age 20-67
 $\lambda = 0.068$ $(-0.13, 0.27)$

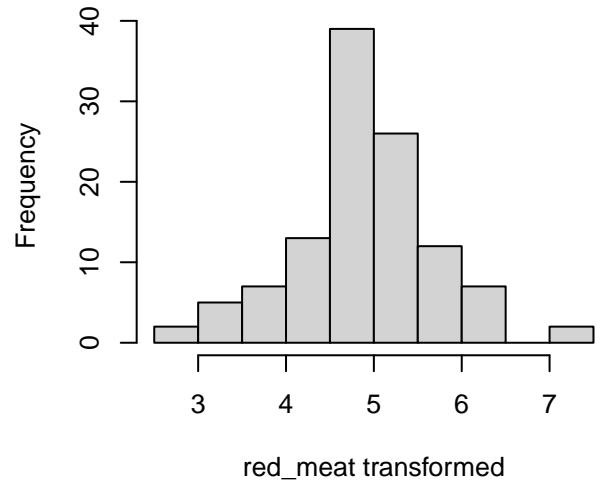


Diagnostic plots for red_meat in uganda_h
women ; age 20–67

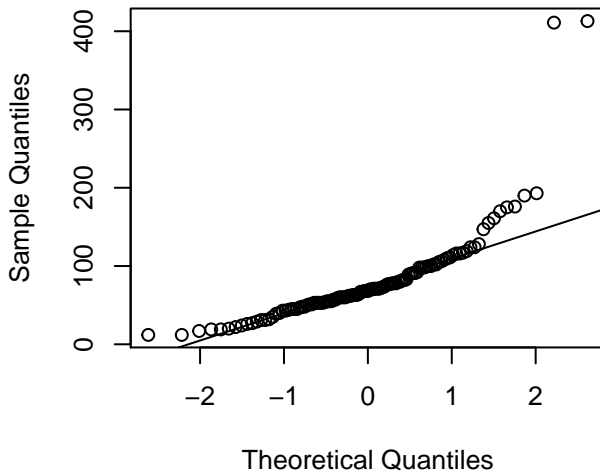
**Intakes before
Box–Cox trans.**



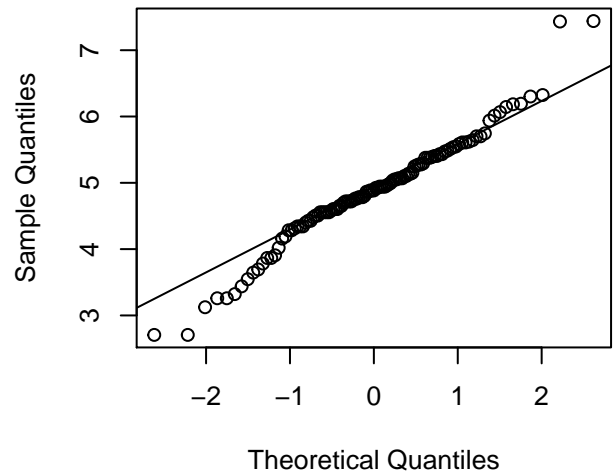
**Intakes after
Box–Cox trans.**



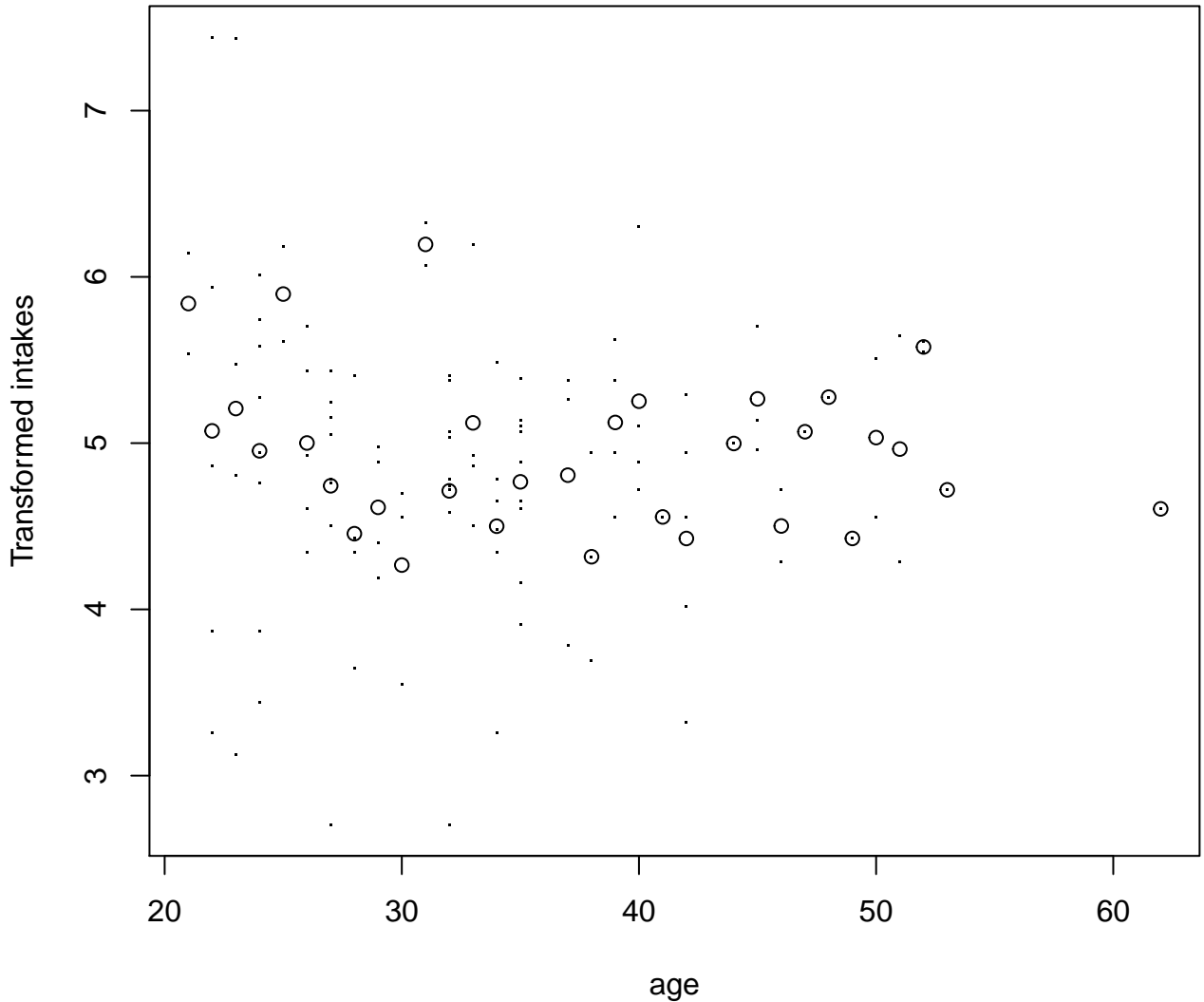
**Normal Q–Q plot
Original intakes**



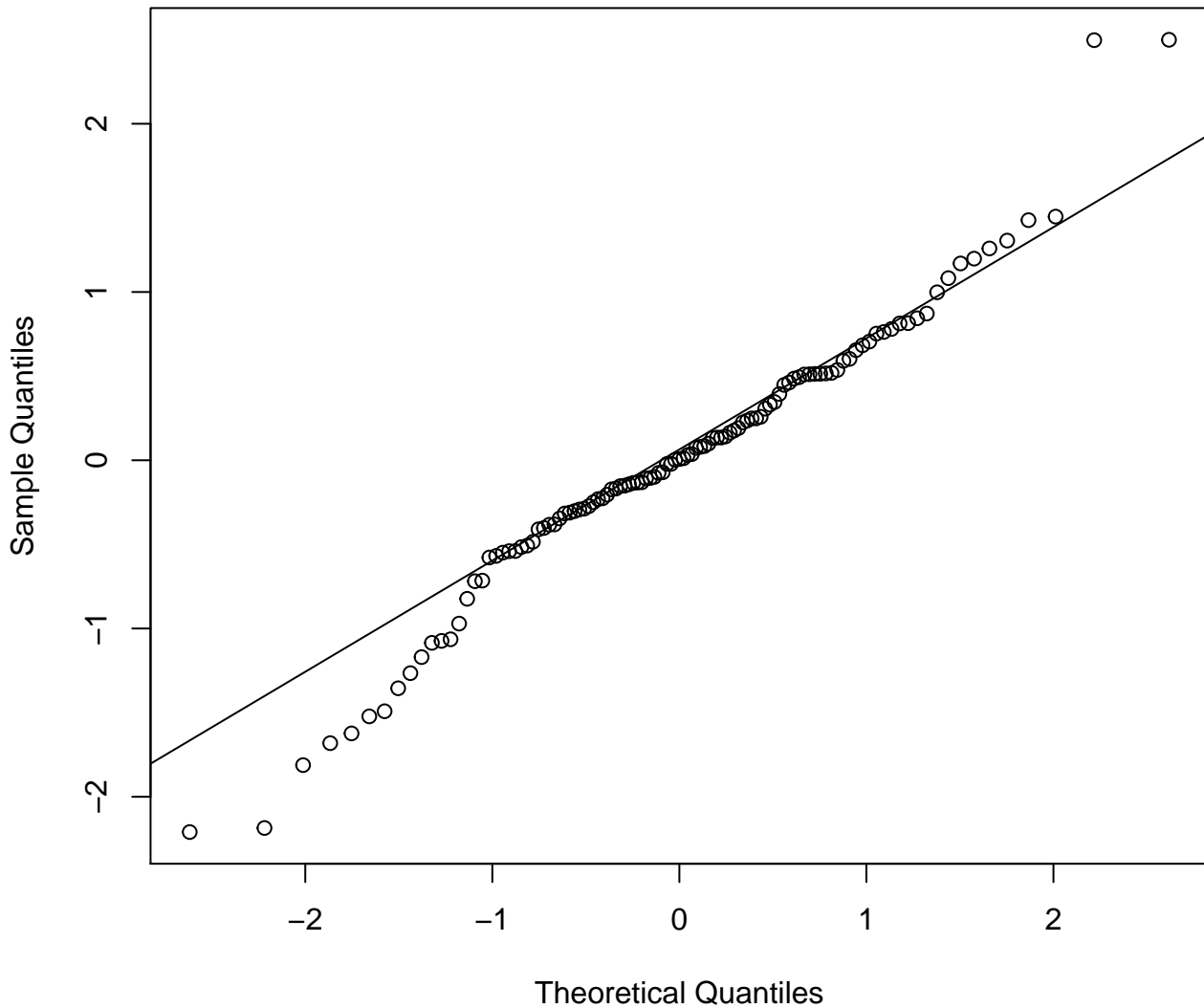
**BoxCox transformed intakes
 $\lambda = 0.068$**



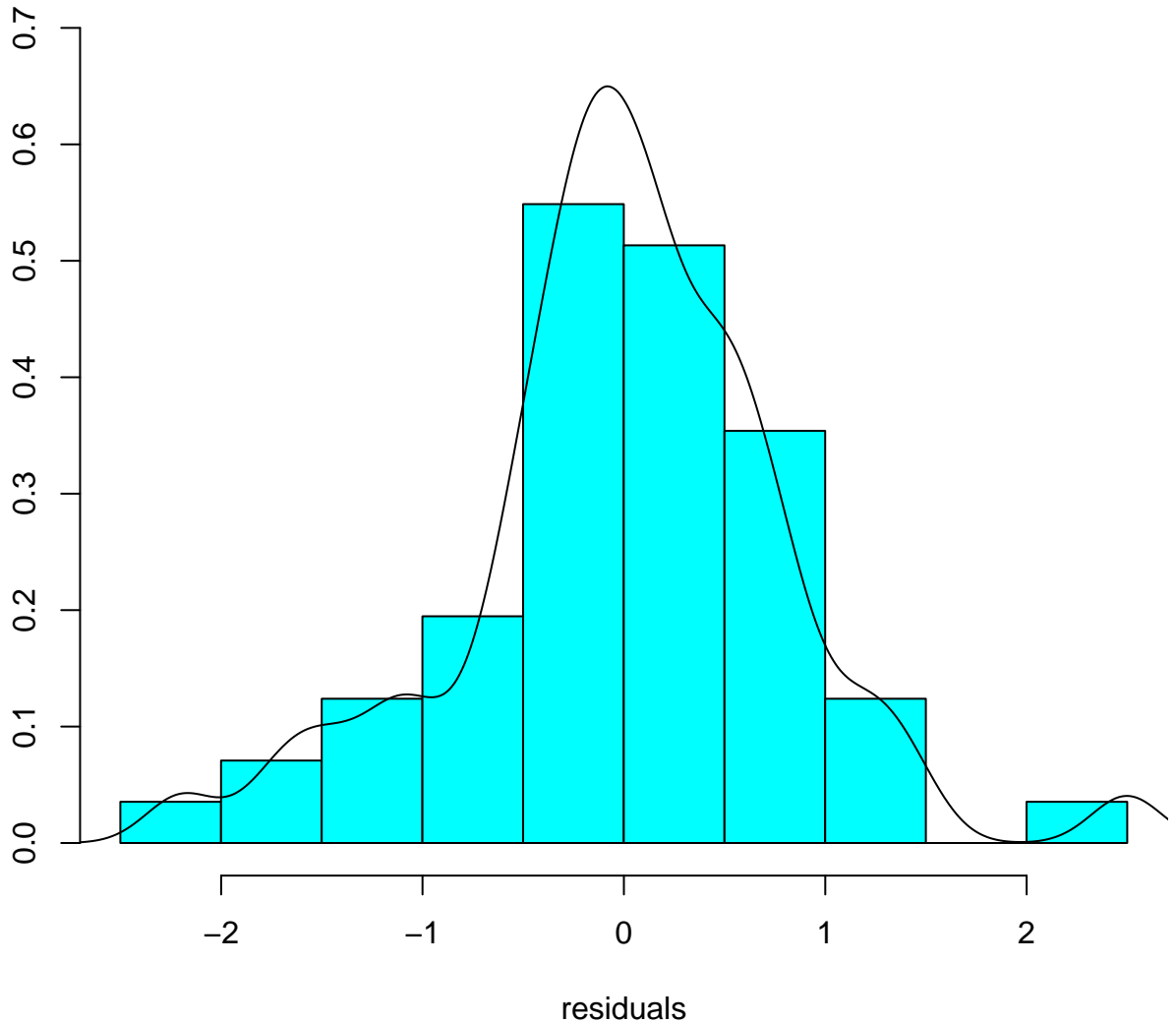
**Transformed data for red_meat in uganda_h
women ; age 20-67 $\lambda = 0.068$**



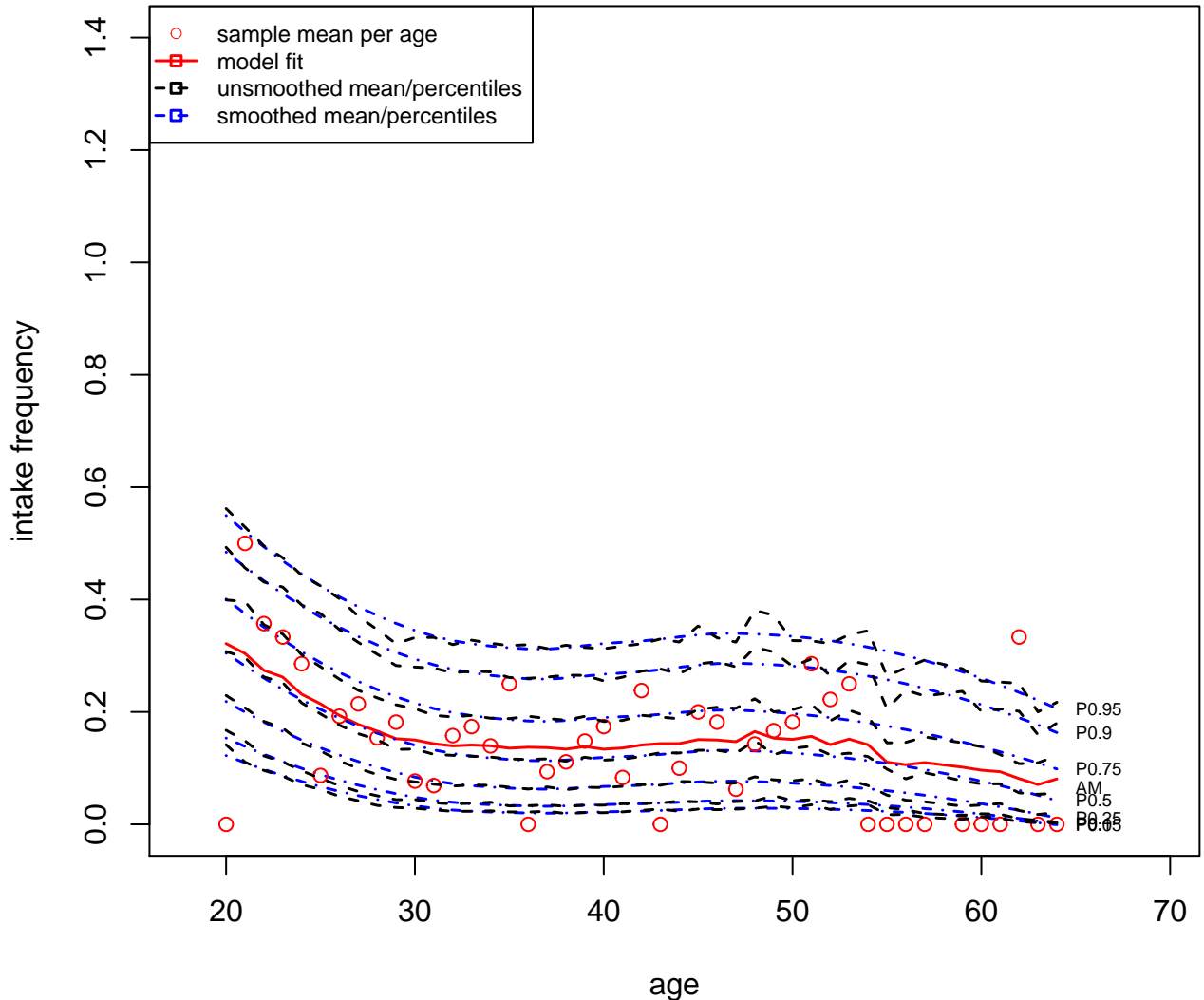
QQ-normal: residuals of model
intake.trans ~ fp(age)
women ; age 20-67 for red_meat in uganda_h



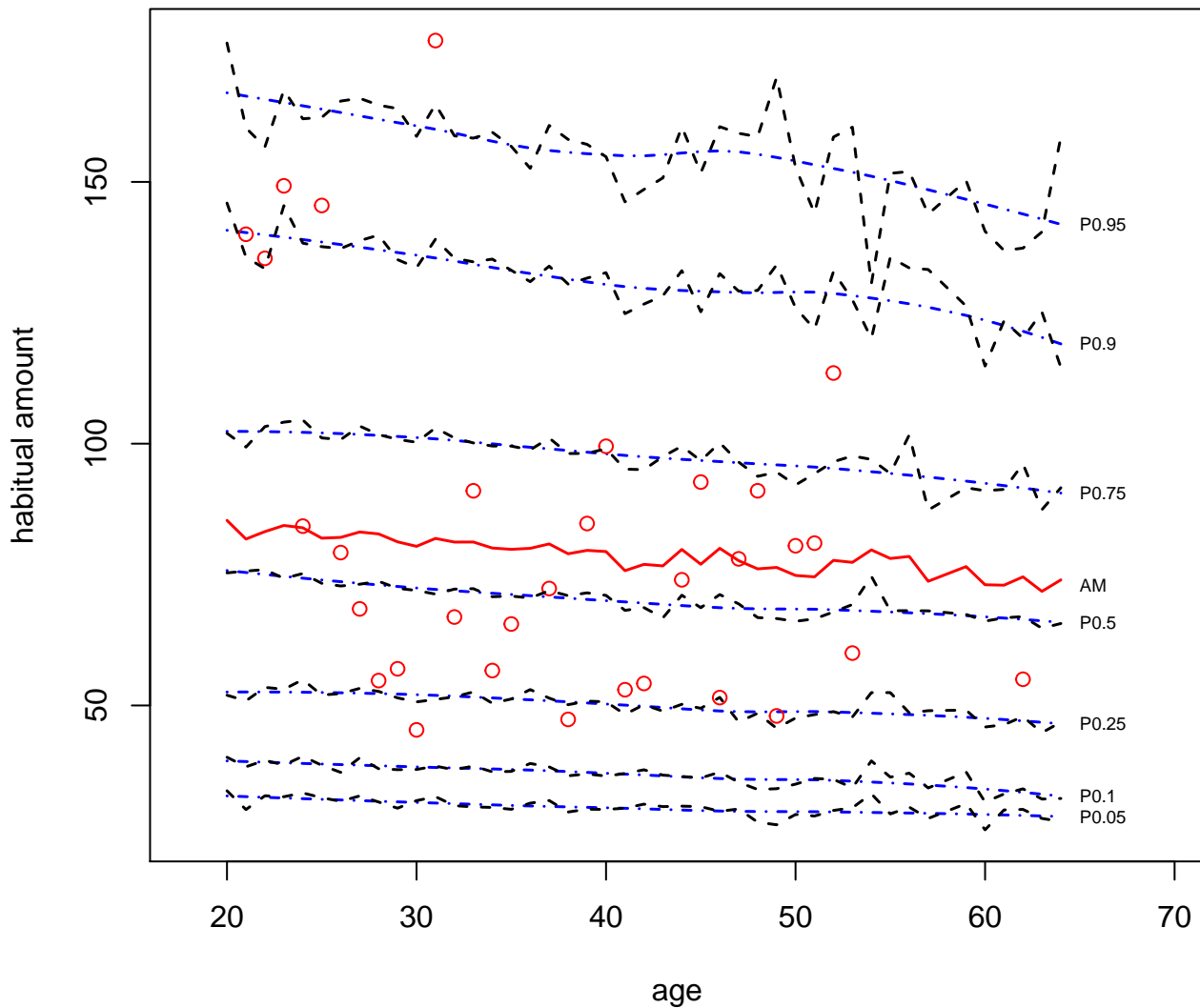
Histogram: residuals of model
intake.trans ~ fp(age)
women ; age 20–67 for red_meat in uganda_h



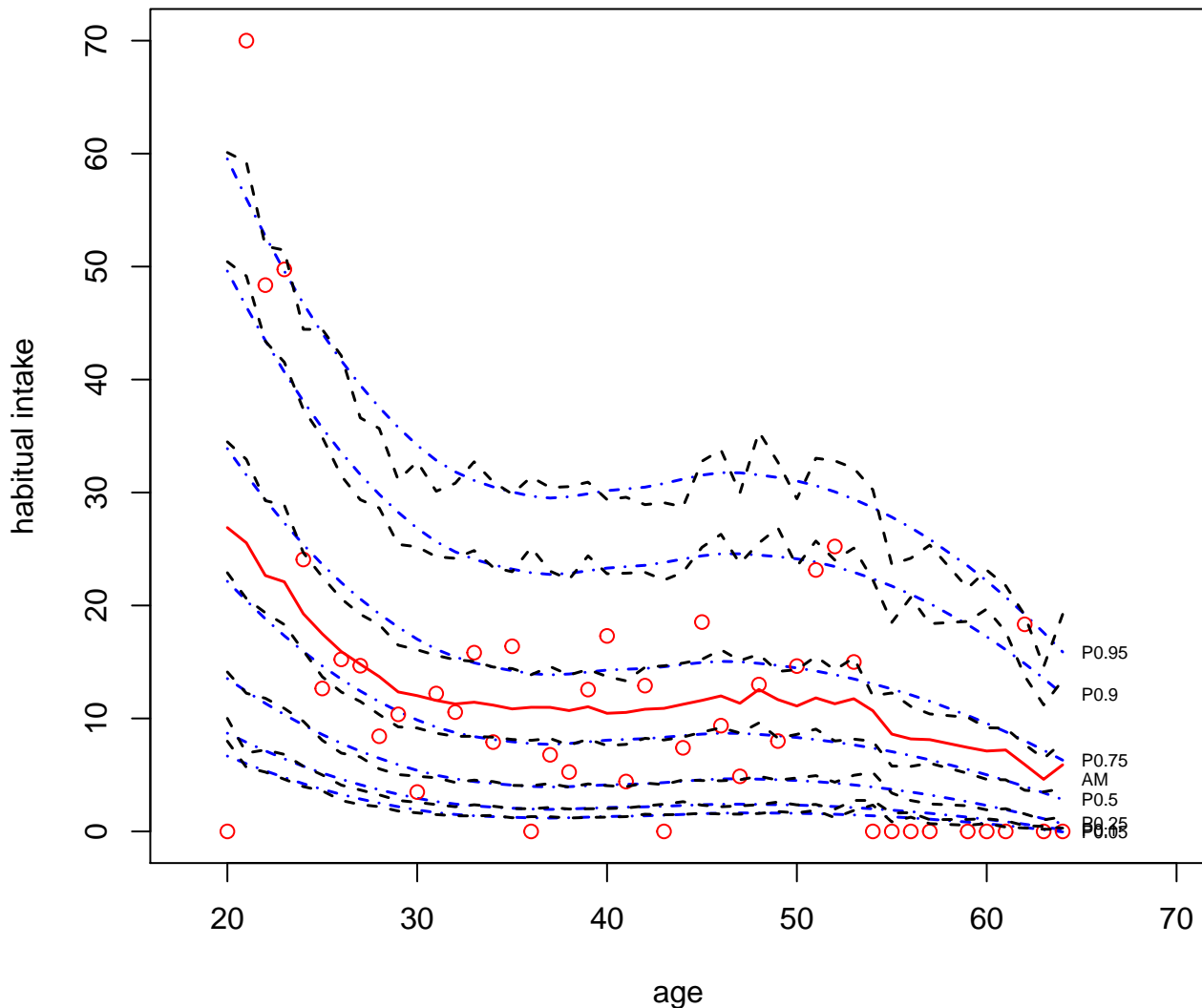
**BB model: intake frequency distribution for red_meat in uganda_h
women ; age 20-67
per person 100 simulated pseudo persons**



Habitual amount distribution for red_meat in uganda_h
women ; age 20-67
per person 100 simulated pseudo persons



Habitual amount distribution for red_meat in uganda_h
 women ; age 20-67
 per person 100 simulated pseudo persons



Habitual intake distribution for red_meat in uganda_h
 women ; age 20-67
 100 pseudo persons per person are simulated

