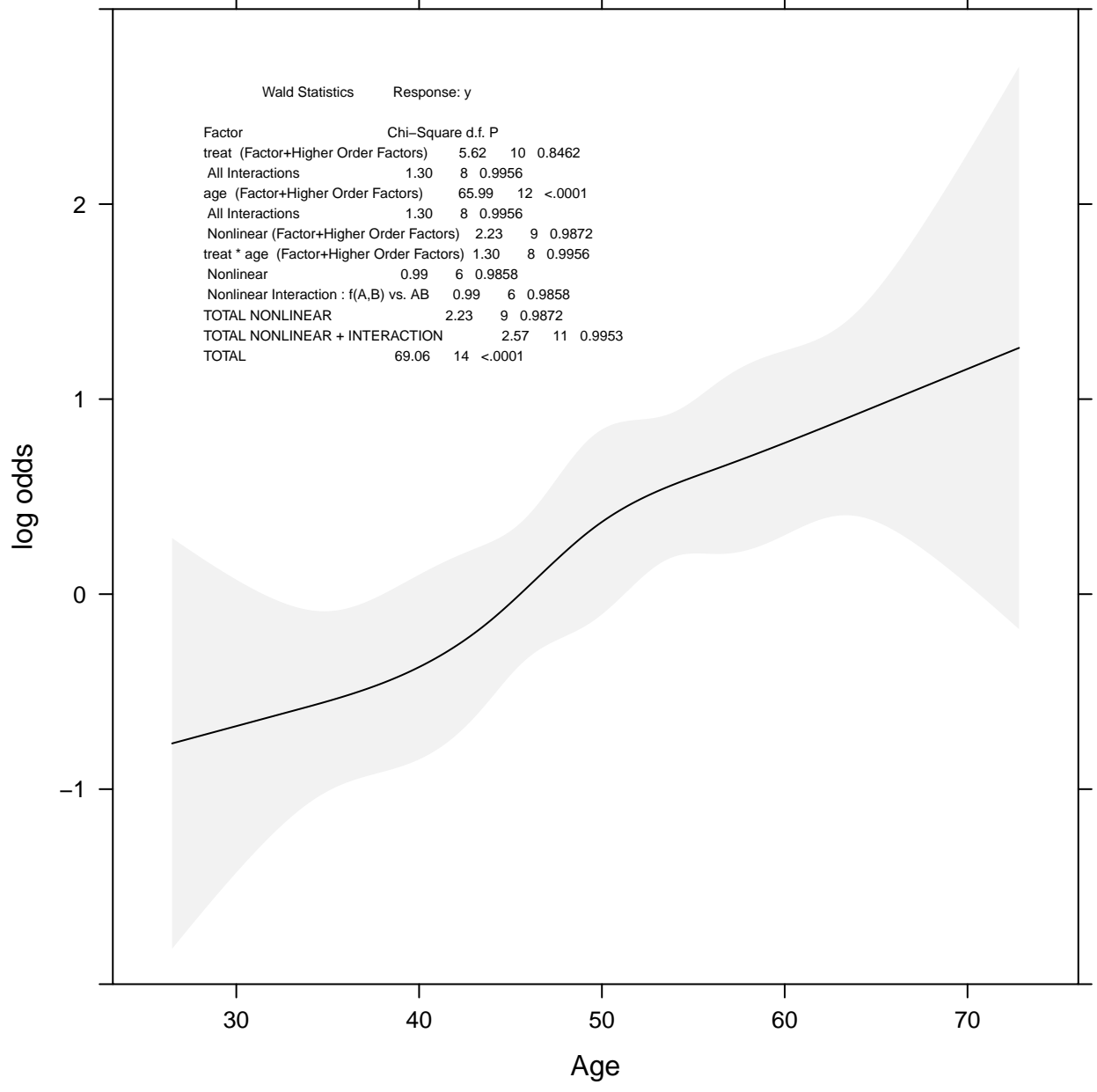
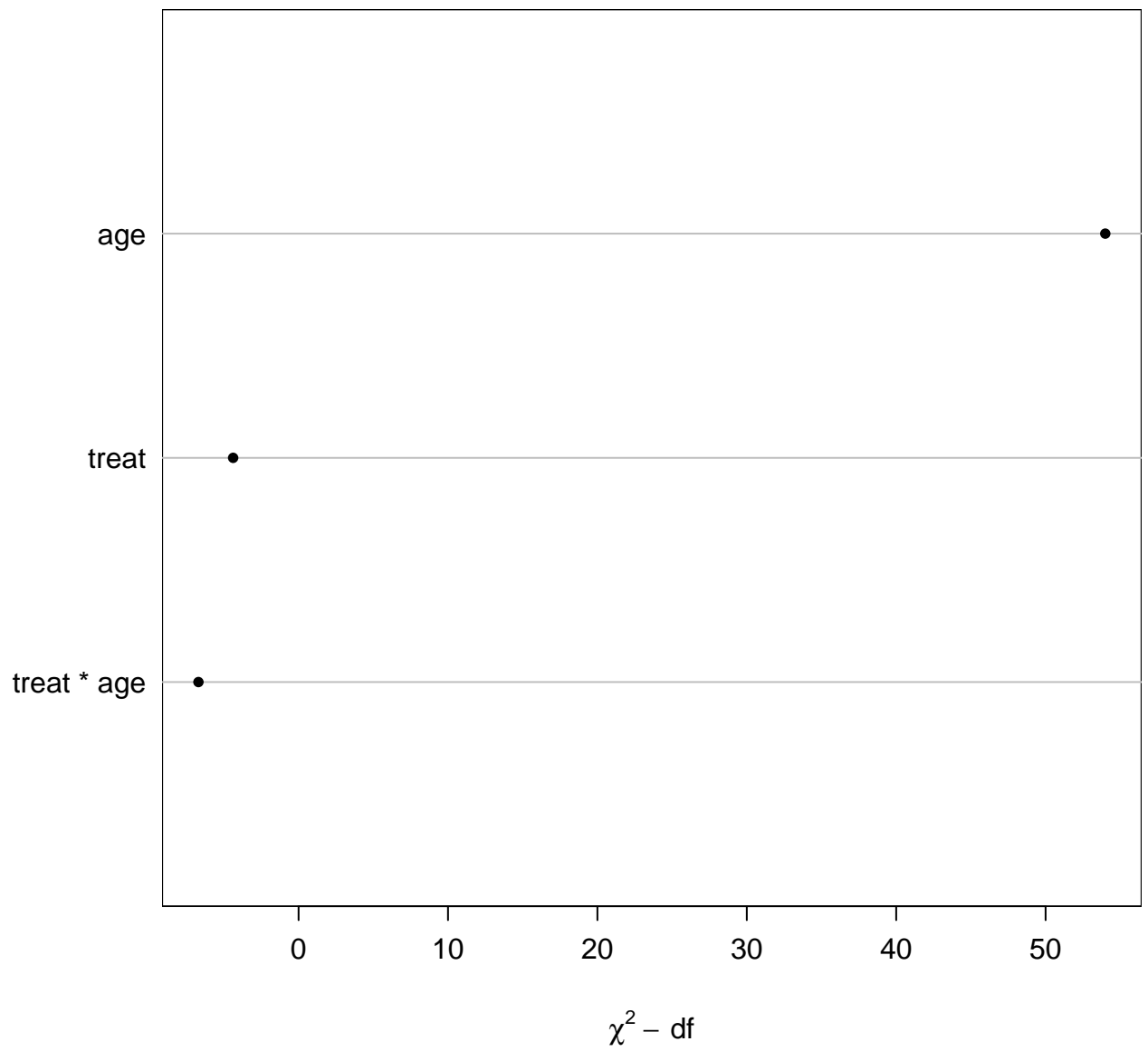


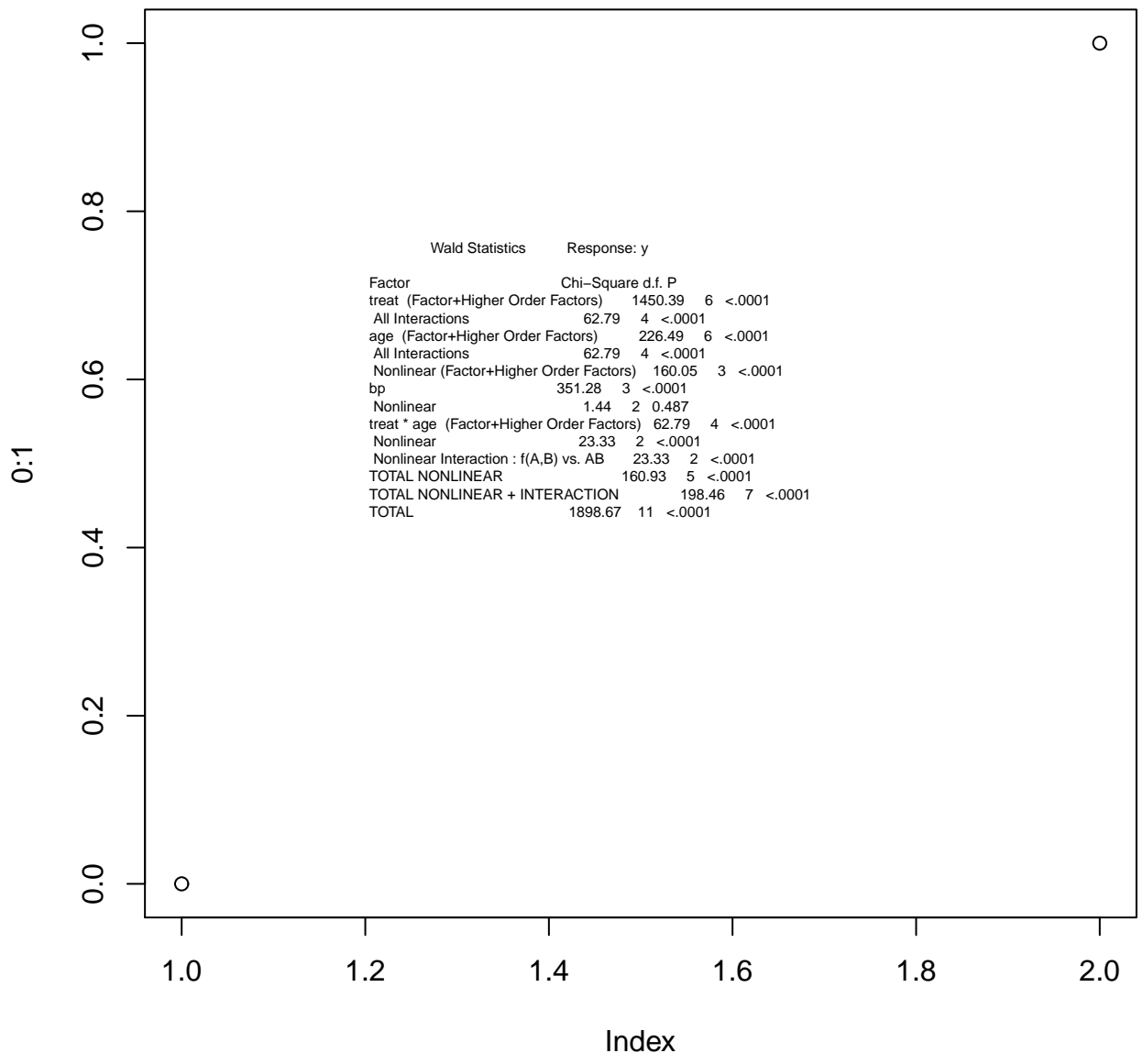
help("Predict")



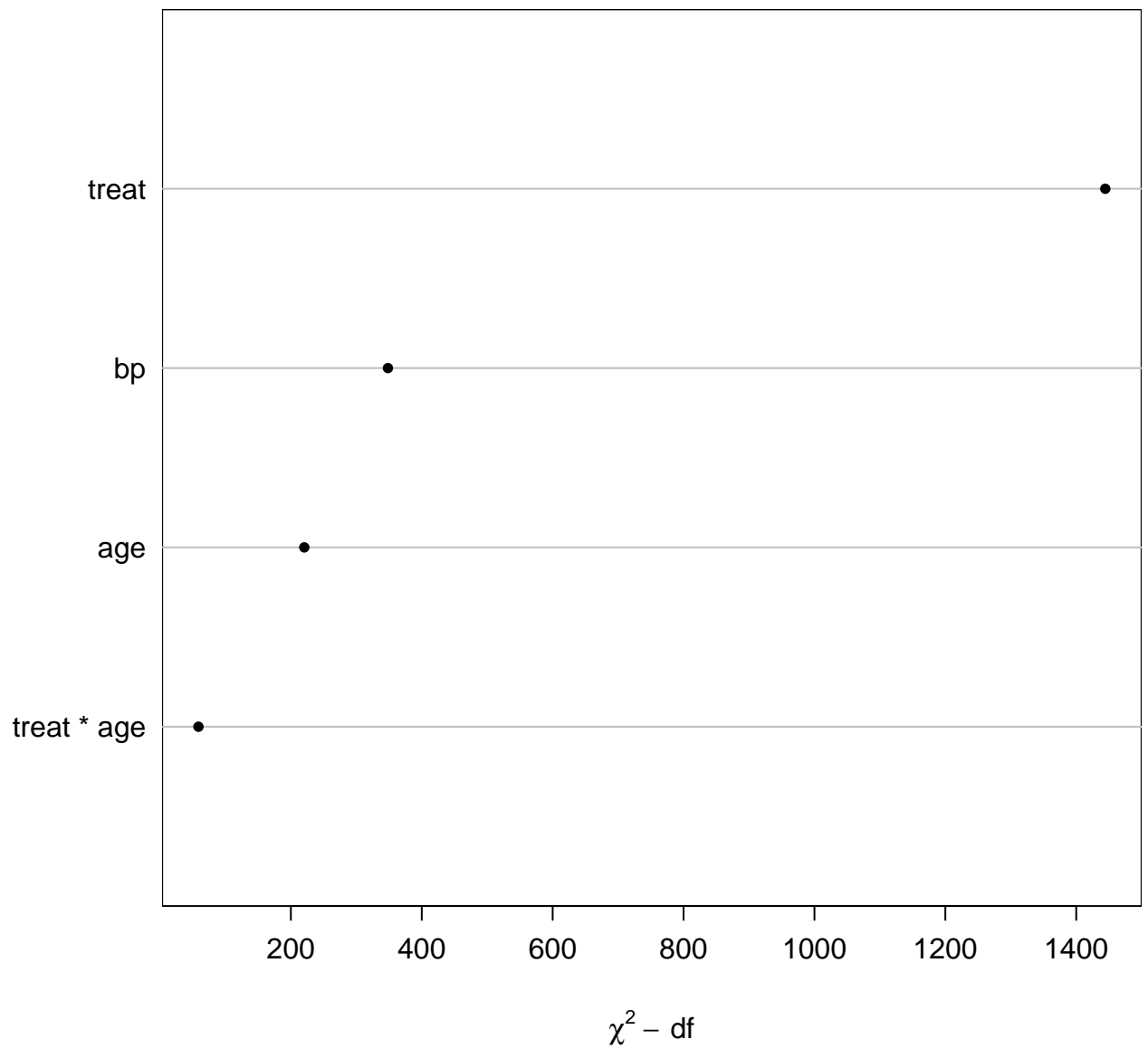
help("anova.rms")



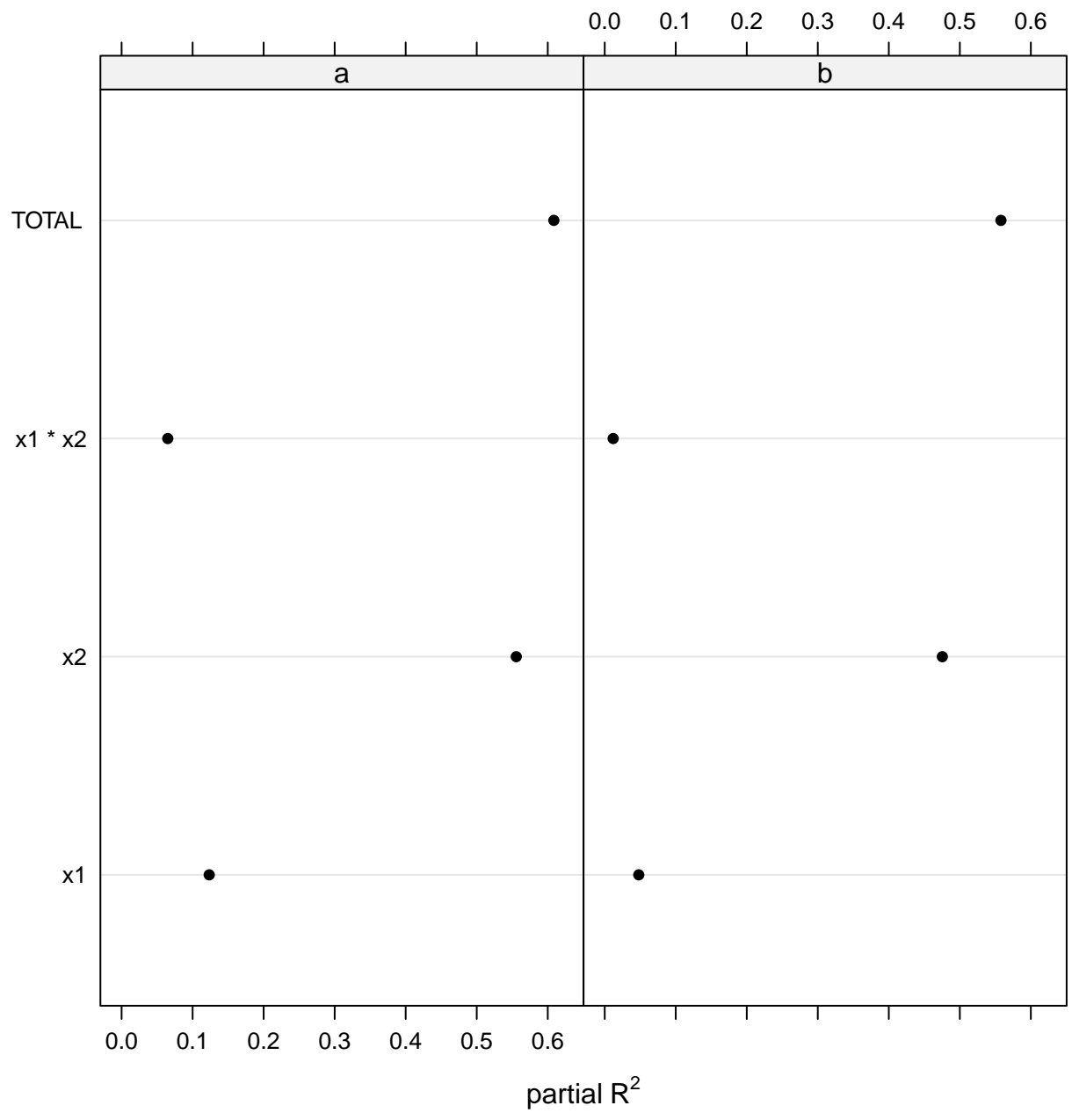
[help\("anova.rms"\)](#)



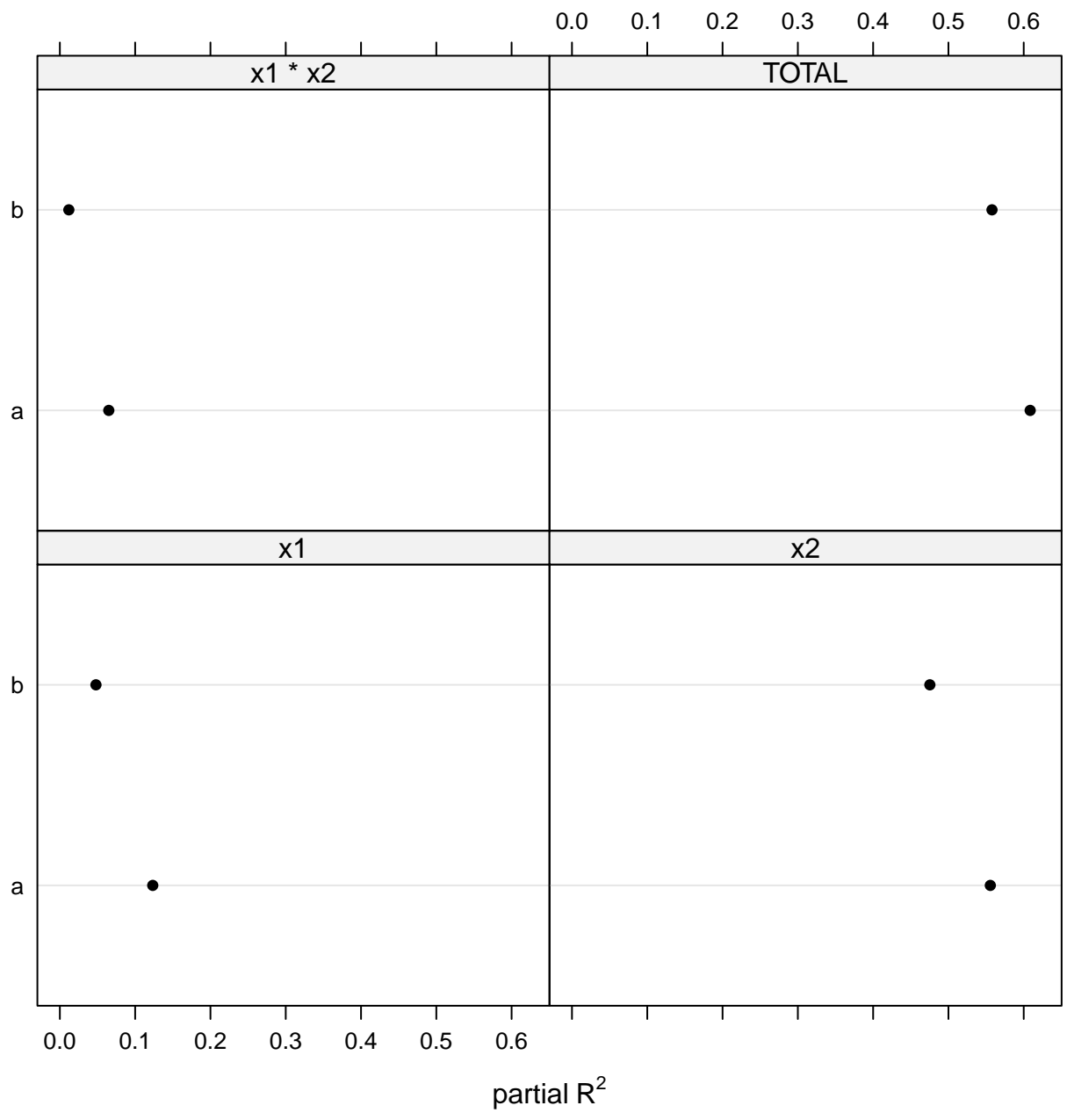
help("anova.rms")



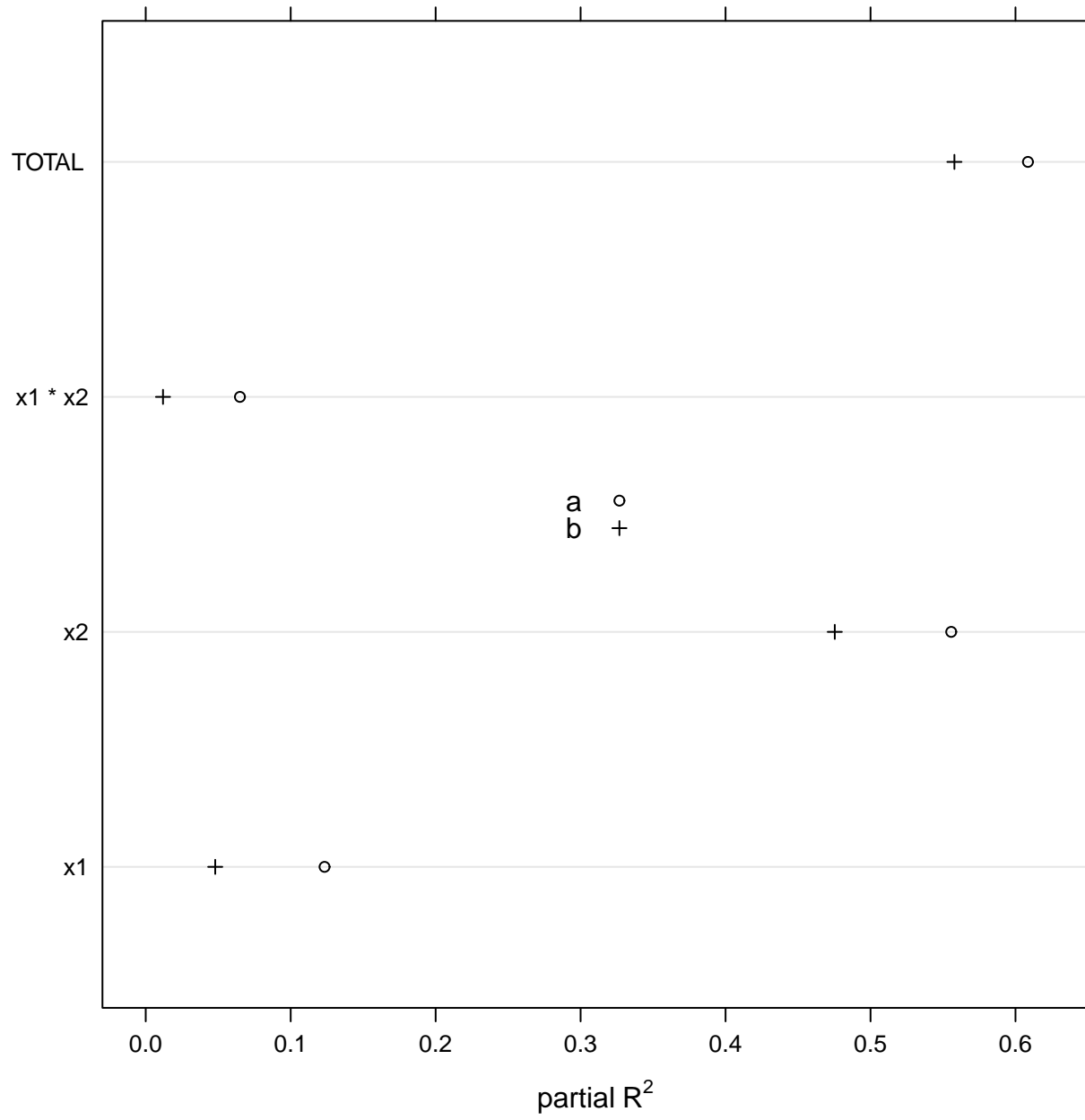
help("anova.rms")



help("anova.rms")

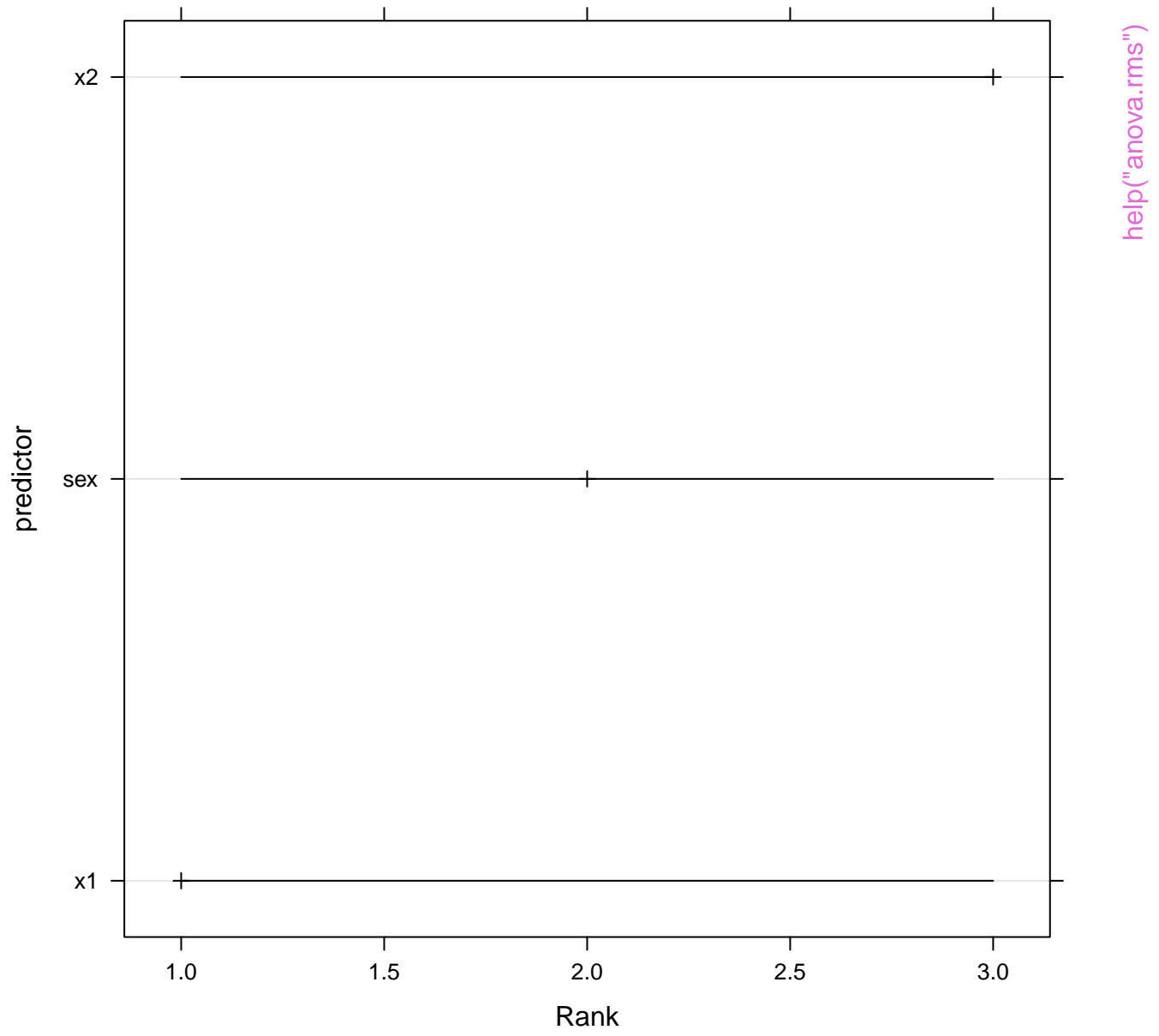


help("anova.rms")

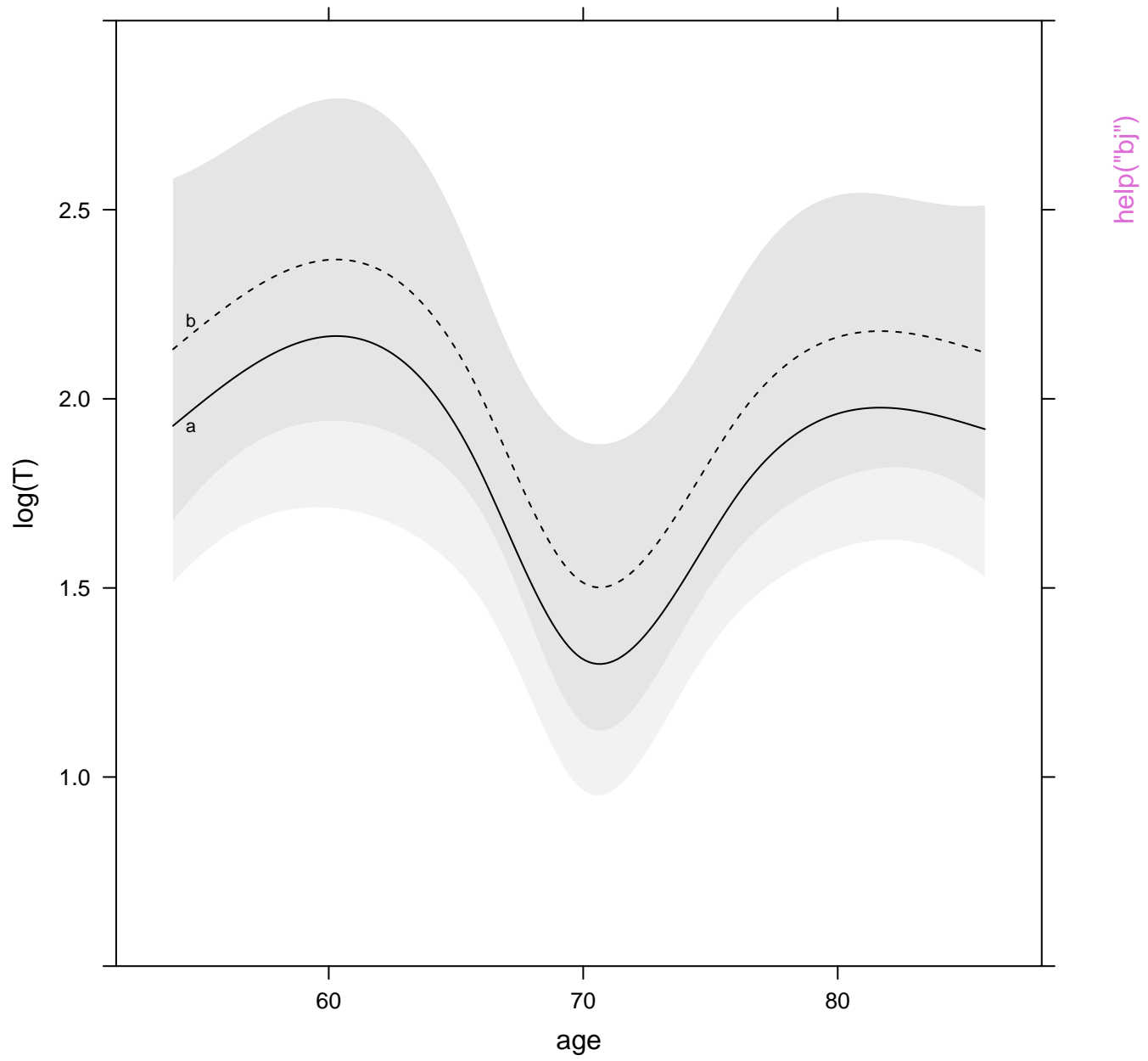


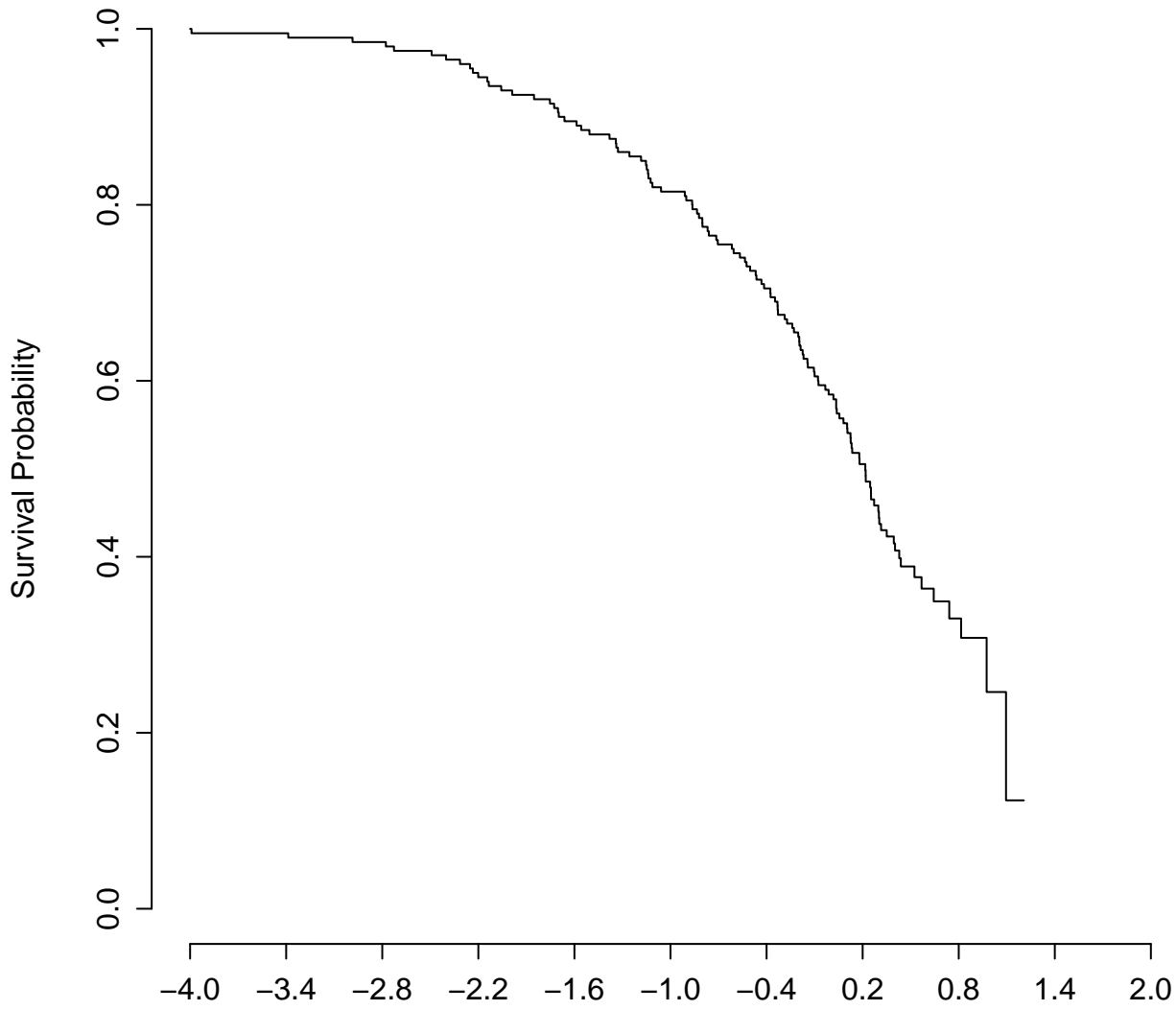
help("anova.rms")

Ranks and 0.95 Confidence Limits for χ^2 - d.f.

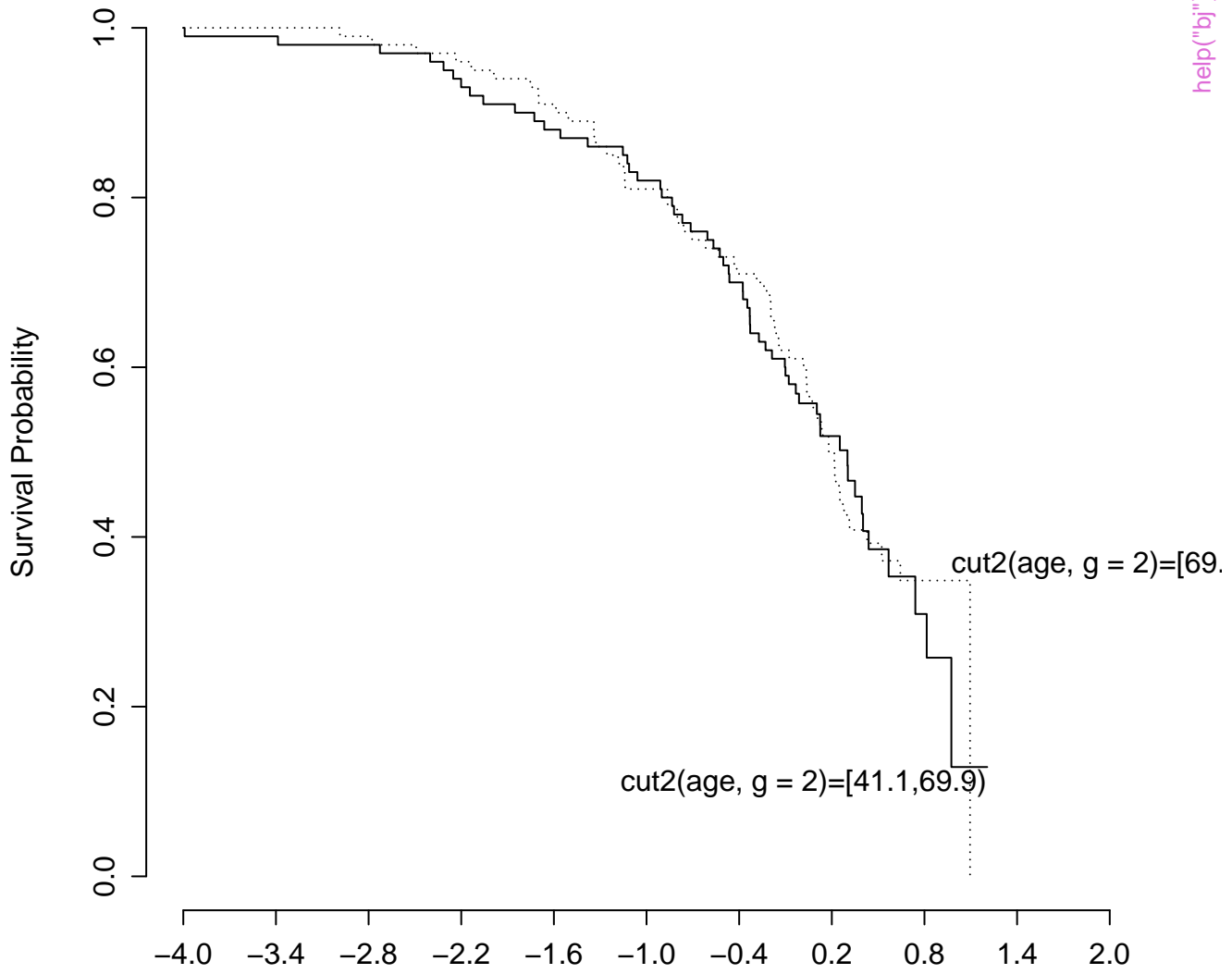


help("anova.rms")



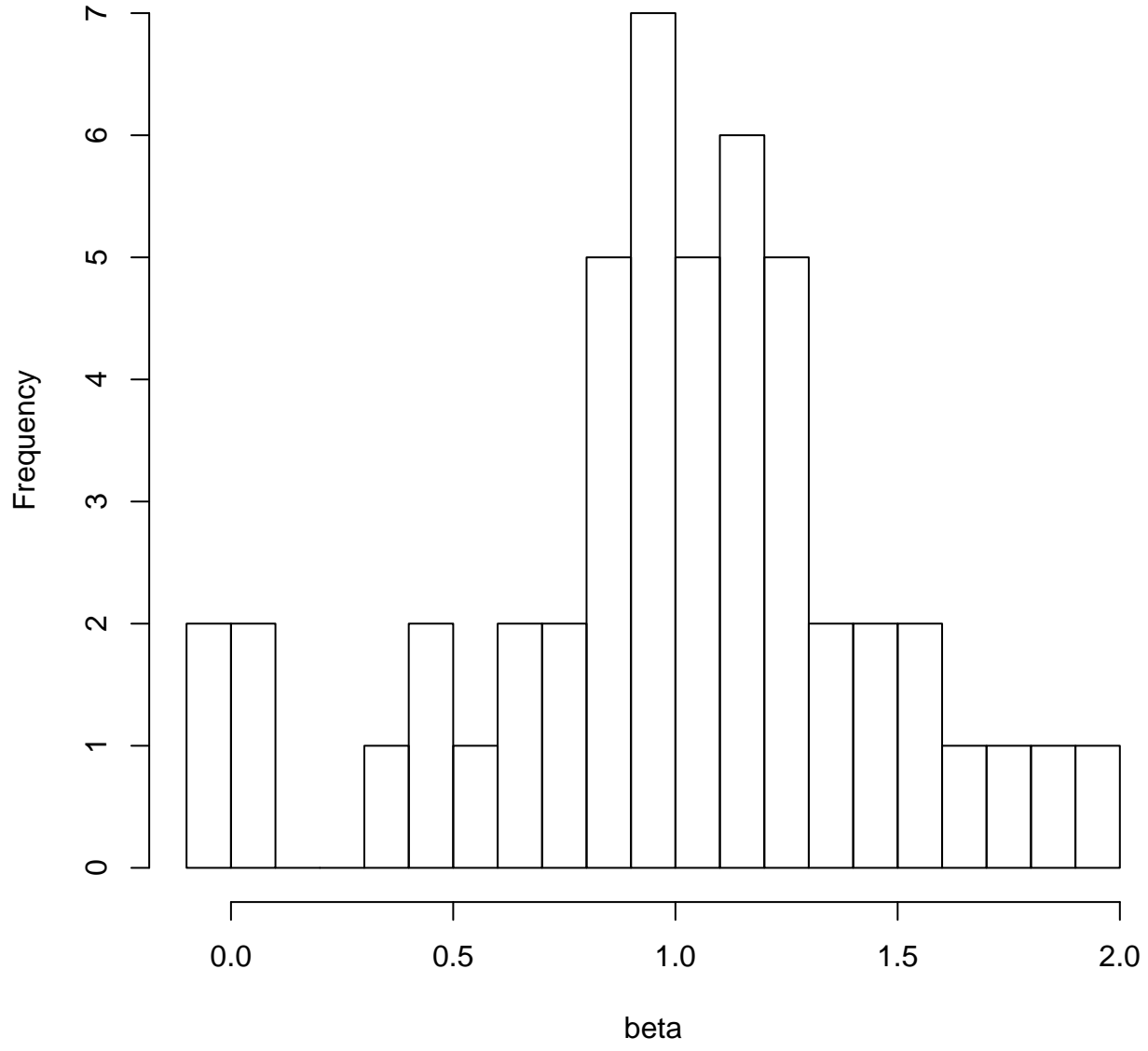


help("bj")



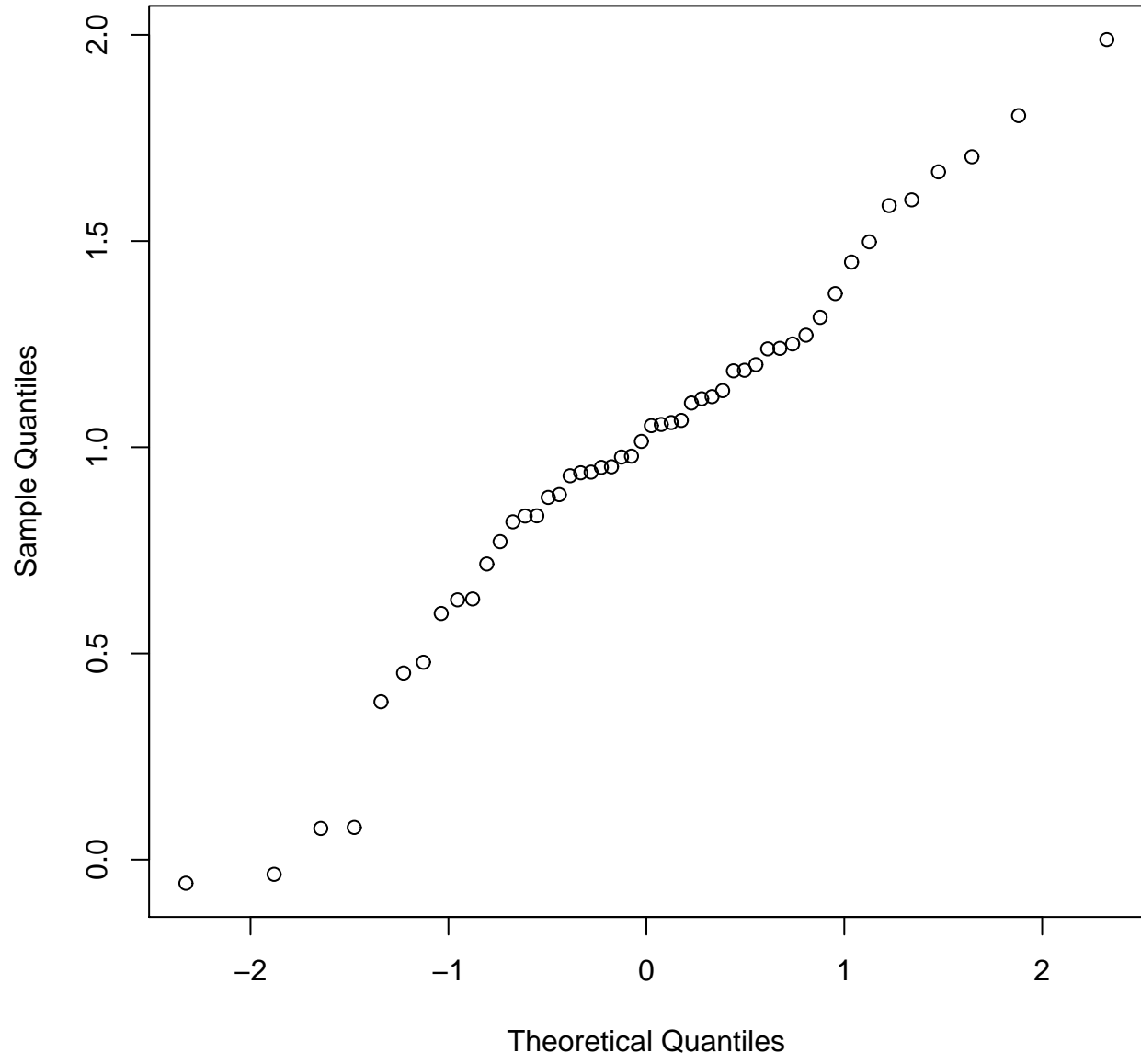
help("bj")

Histogram of beta

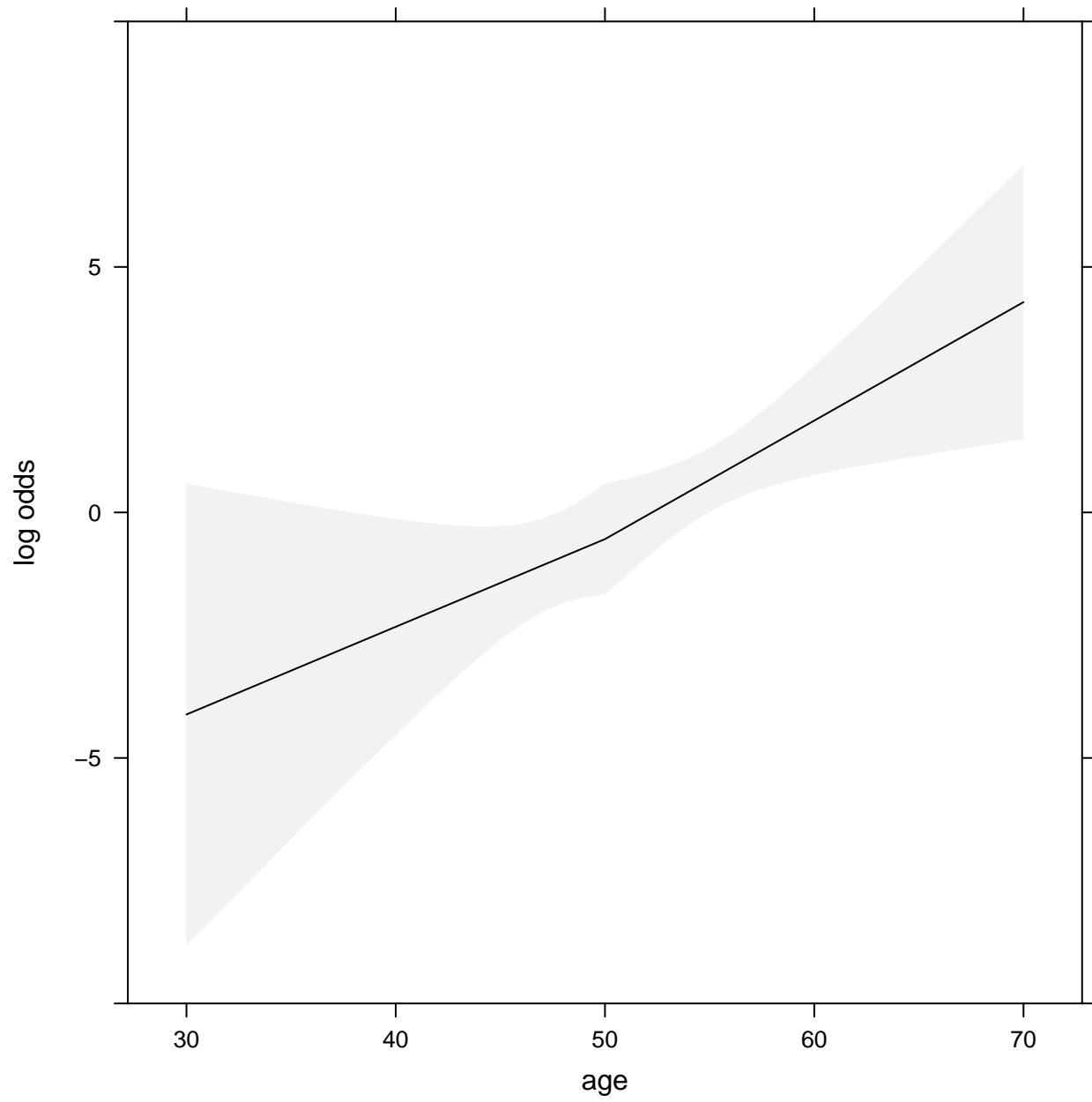


`help("bootcov")`

Normal Q-Q Plot

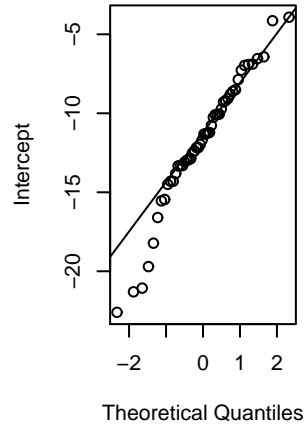


[help\("bootcov"\)](#)

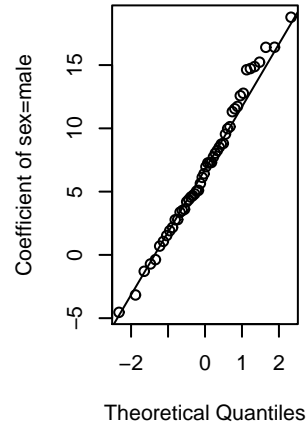


help("bootcov")

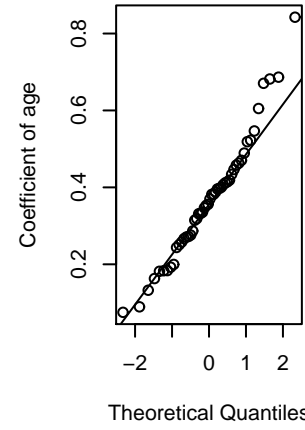
Normal Q-Q Plot



Normal Q-Q Plot

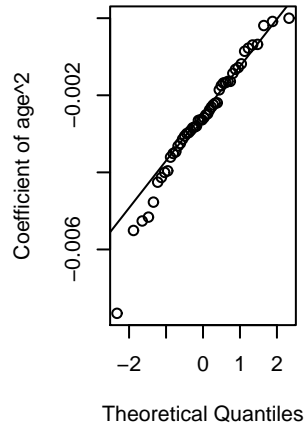


Normal Q-Q Plot

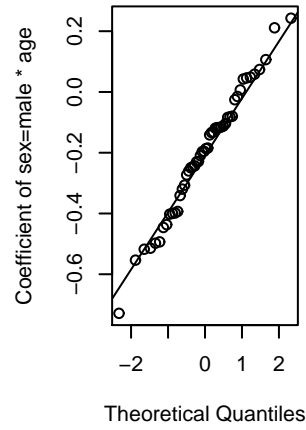


help("bootcov")

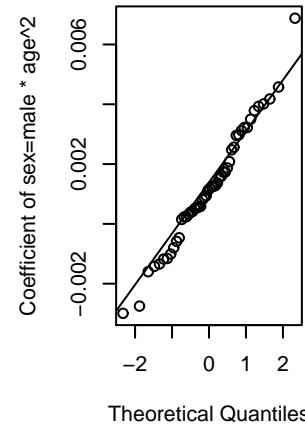
Normal Q-Q Plot



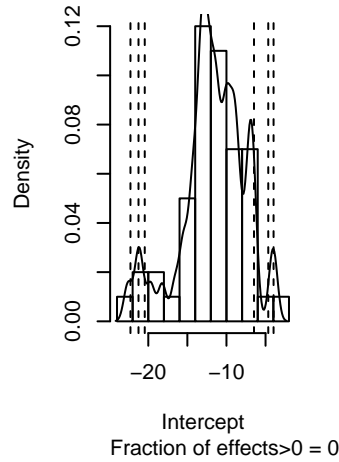
Normal Q-Q Plot



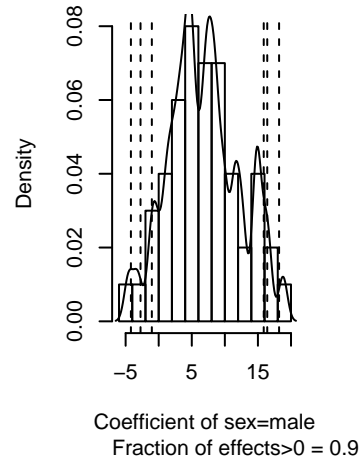
Normal Q-Q Plot



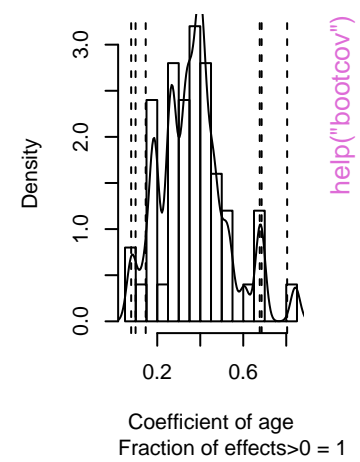
Histogram of y



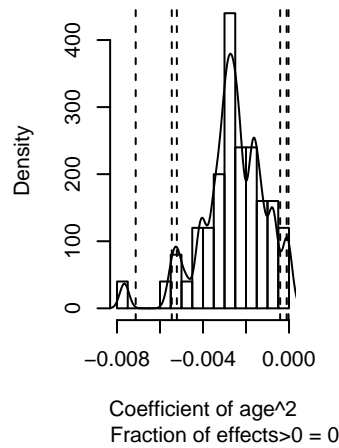
Histogram of y



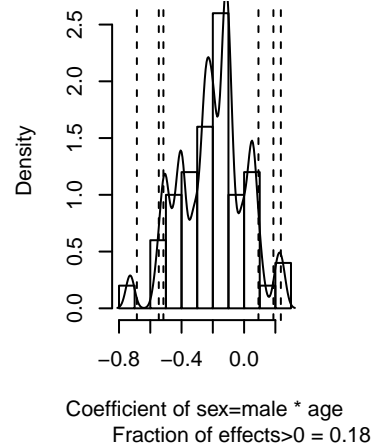
Histogram of y



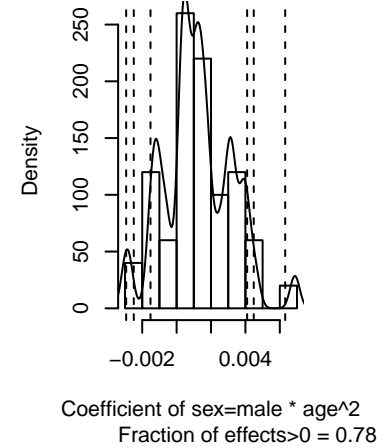
Histogram of y

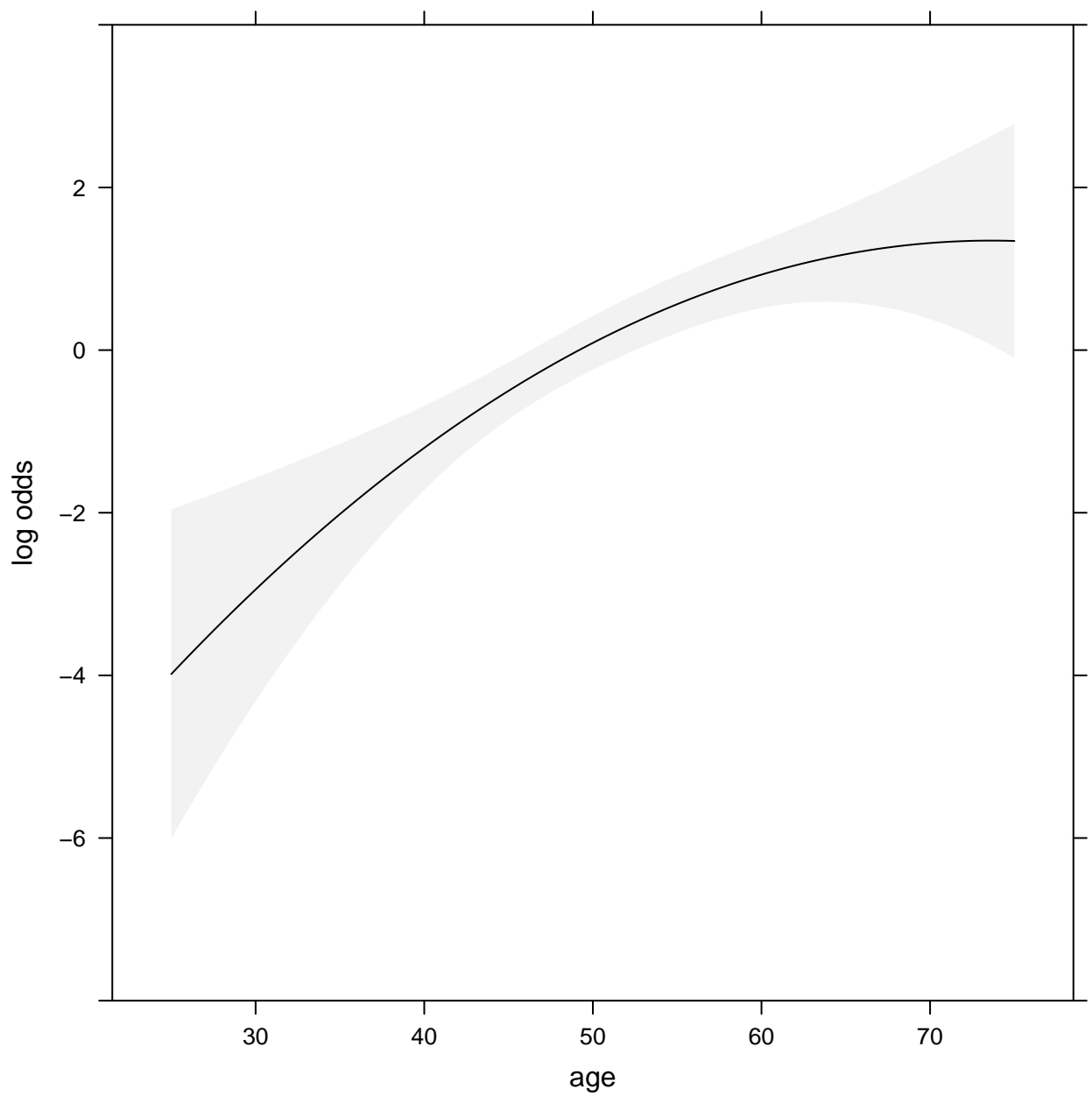


Histogram of y

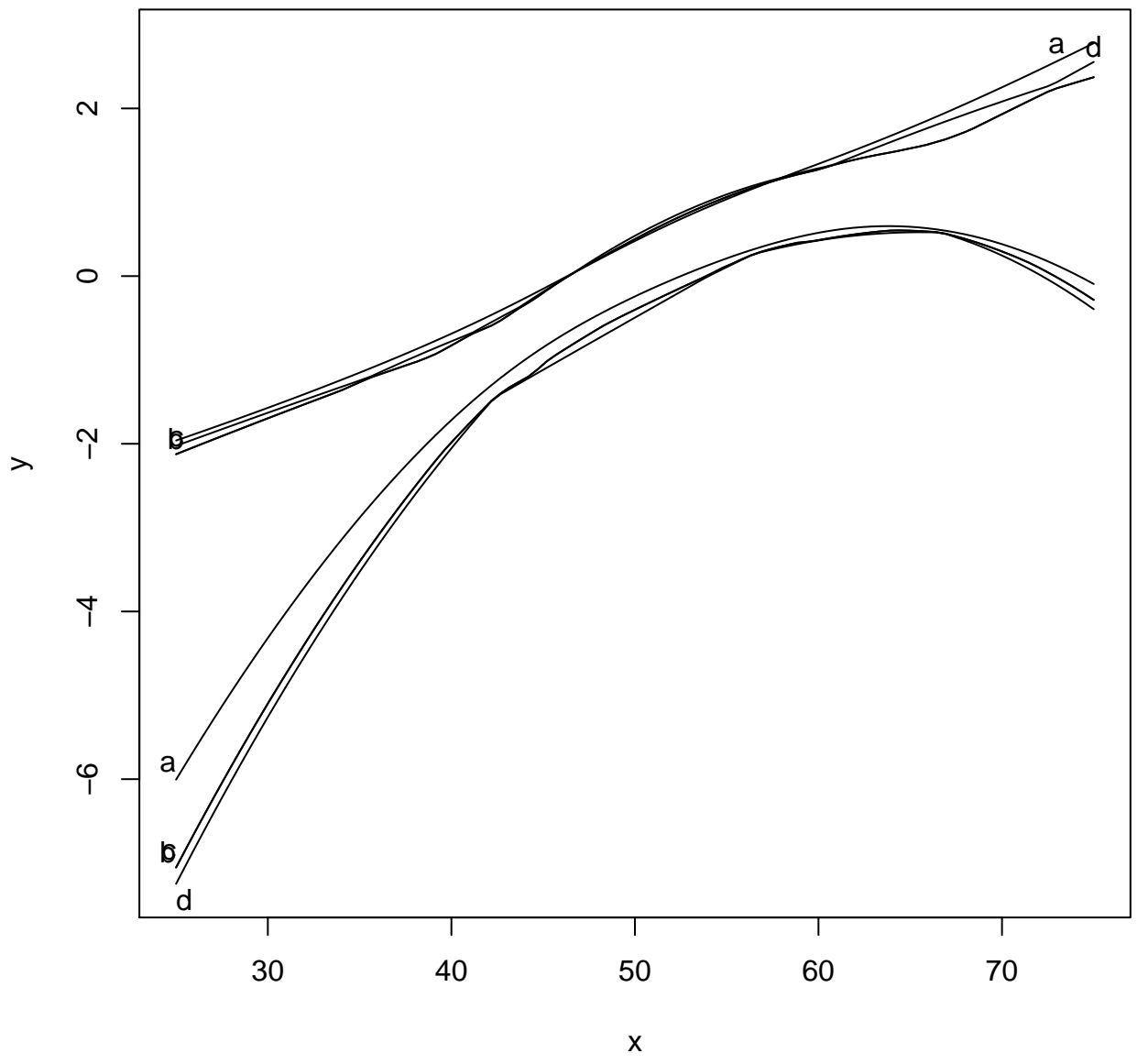


Histogram of y

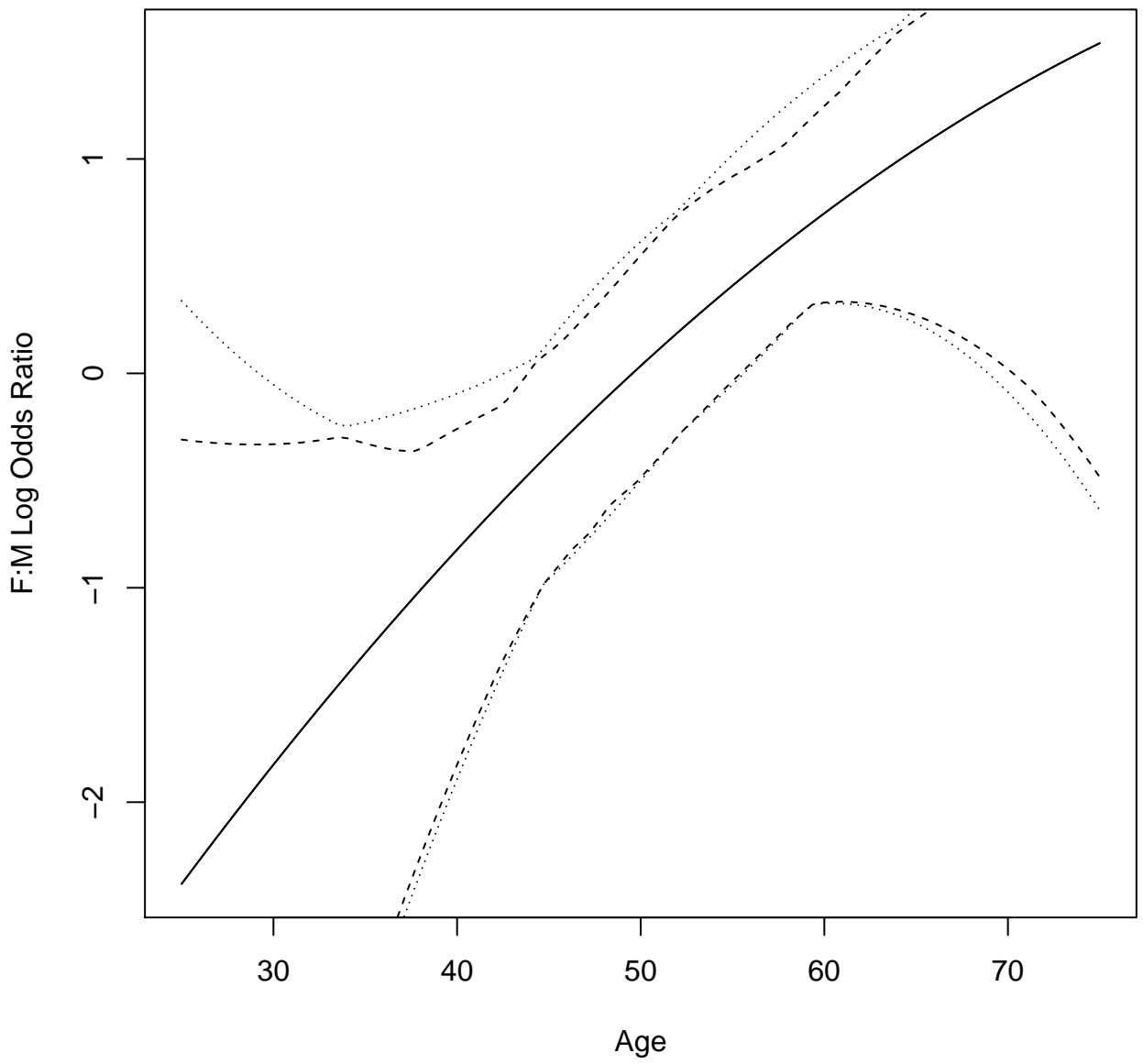




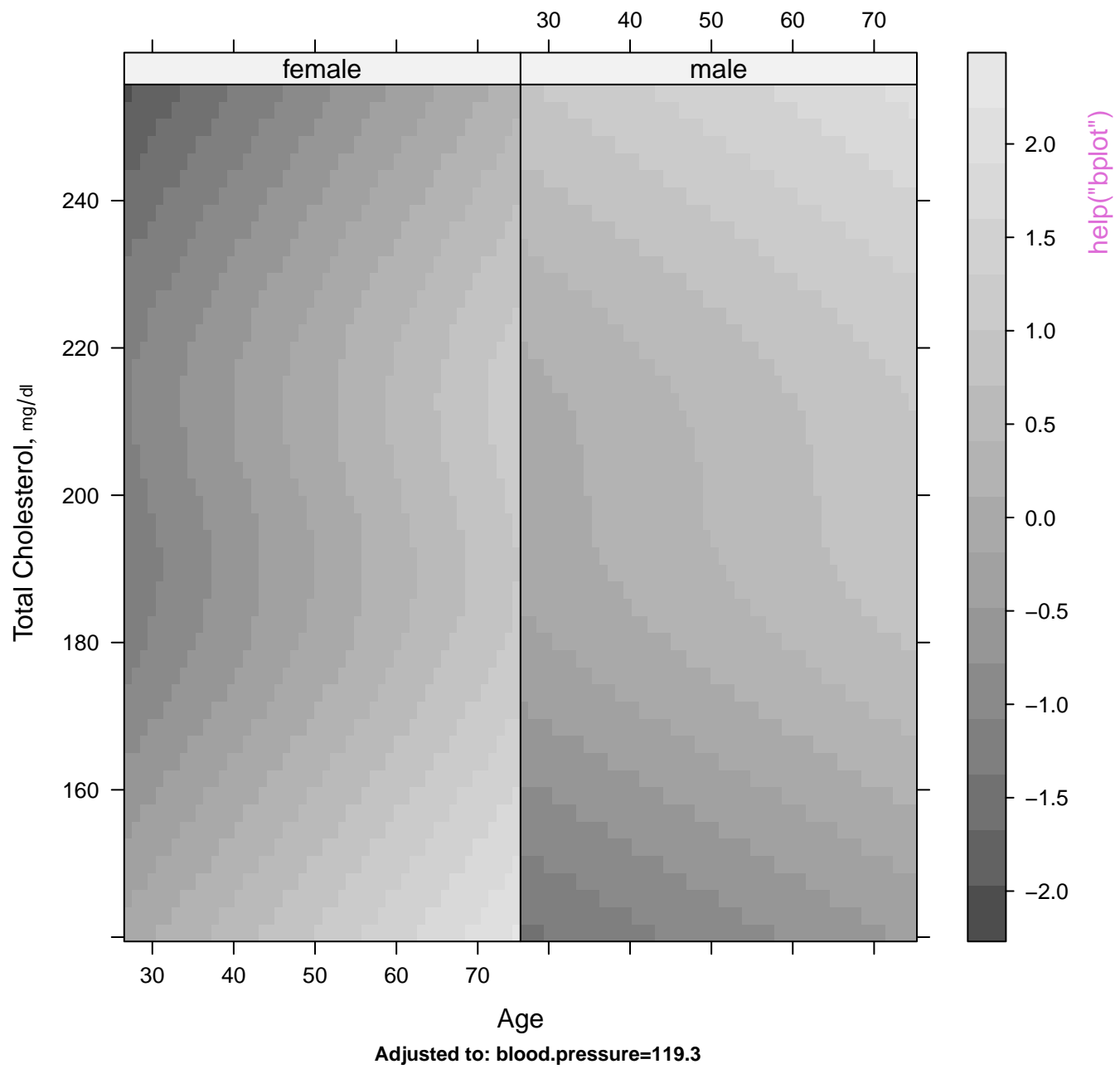
help("bootcov")

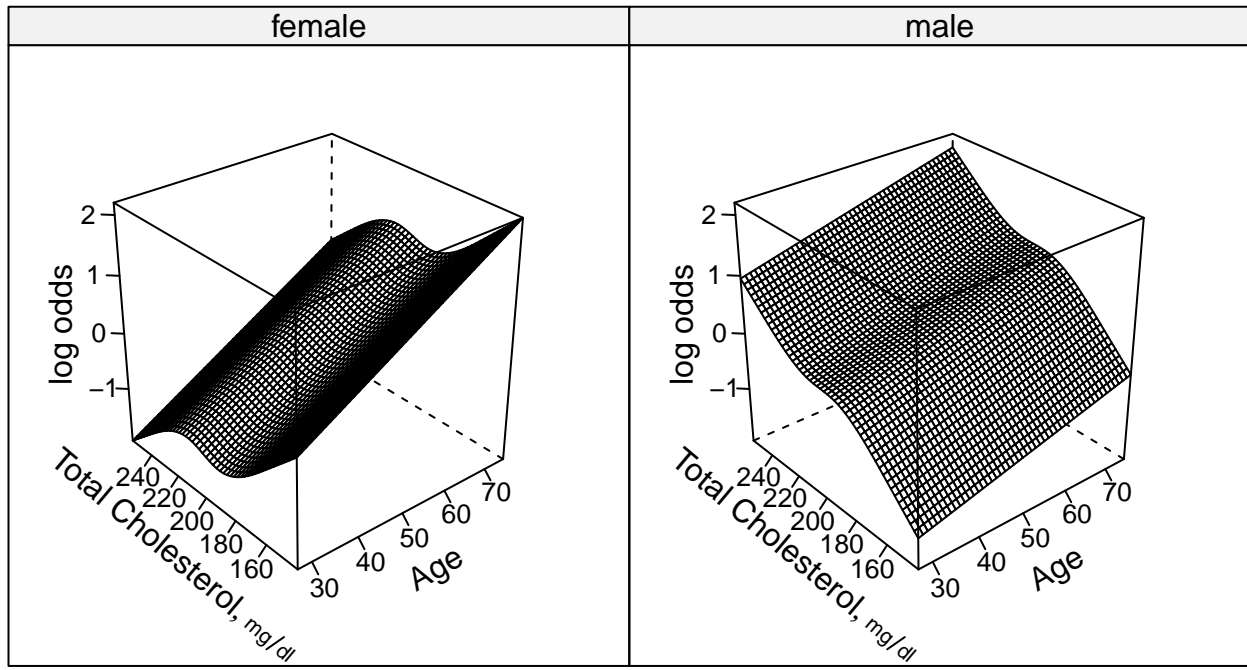


help("bootcov")



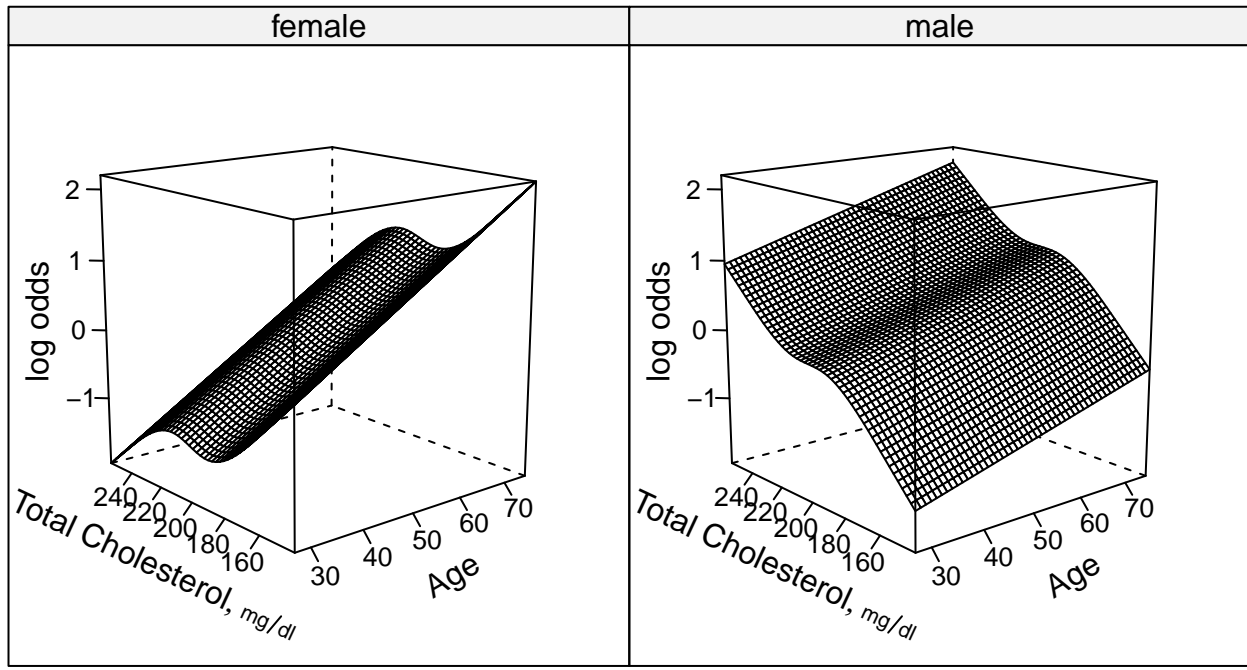
help("bootcov")





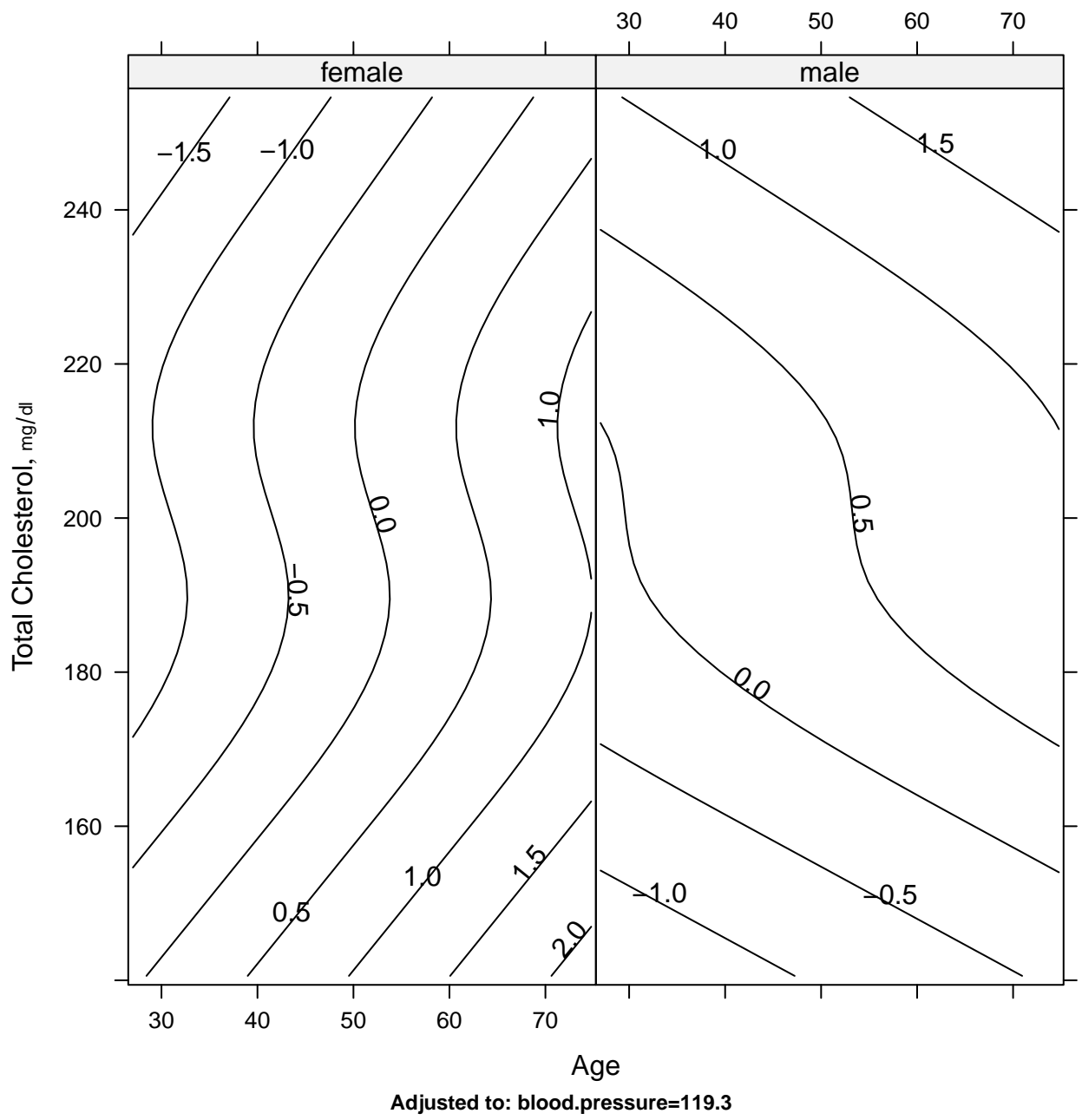
Adjusted to: blood.pressure=119.3

help("bplot")

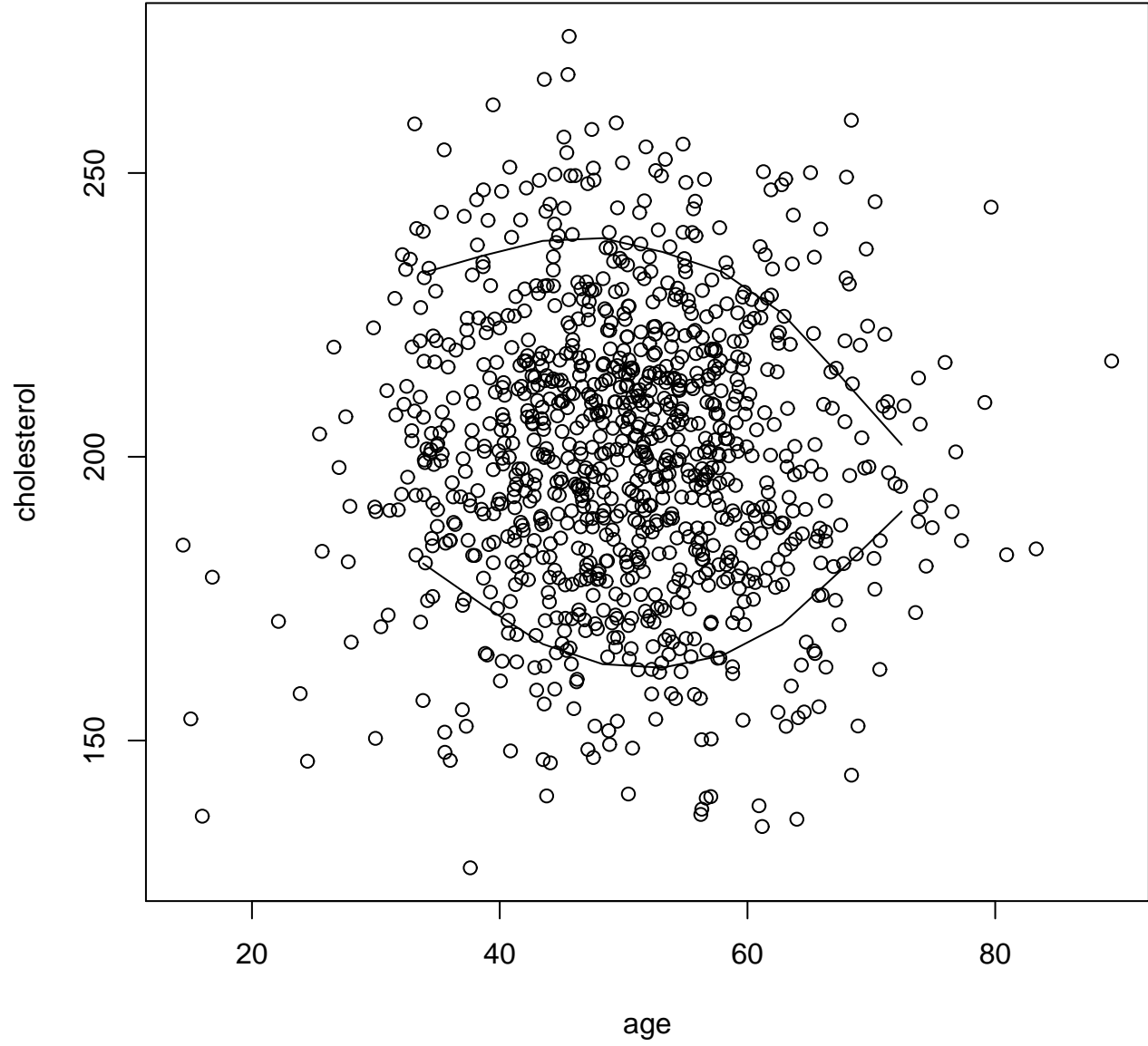


Adjusted to: blood.pressure=119.3

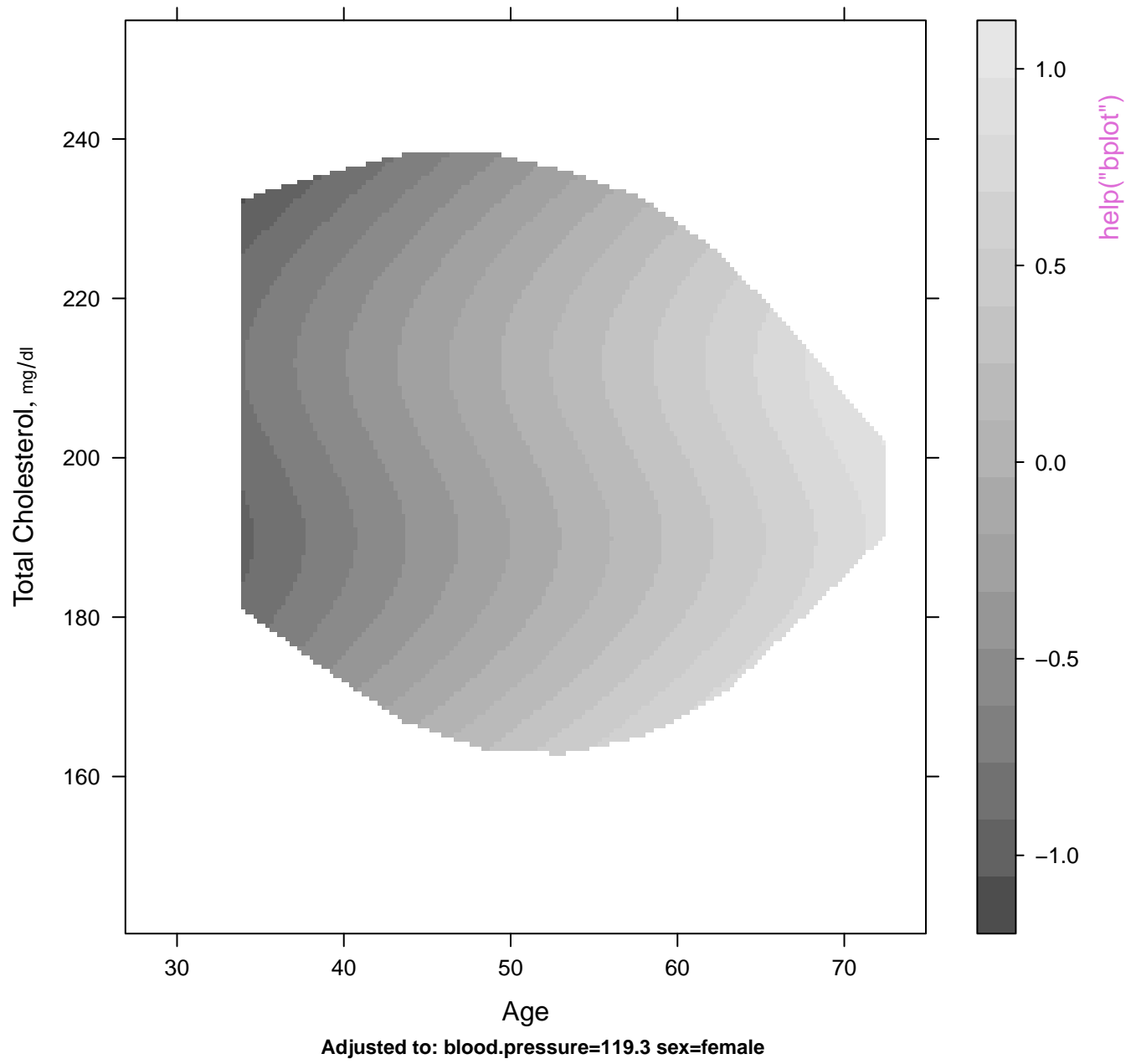
help("bplot")

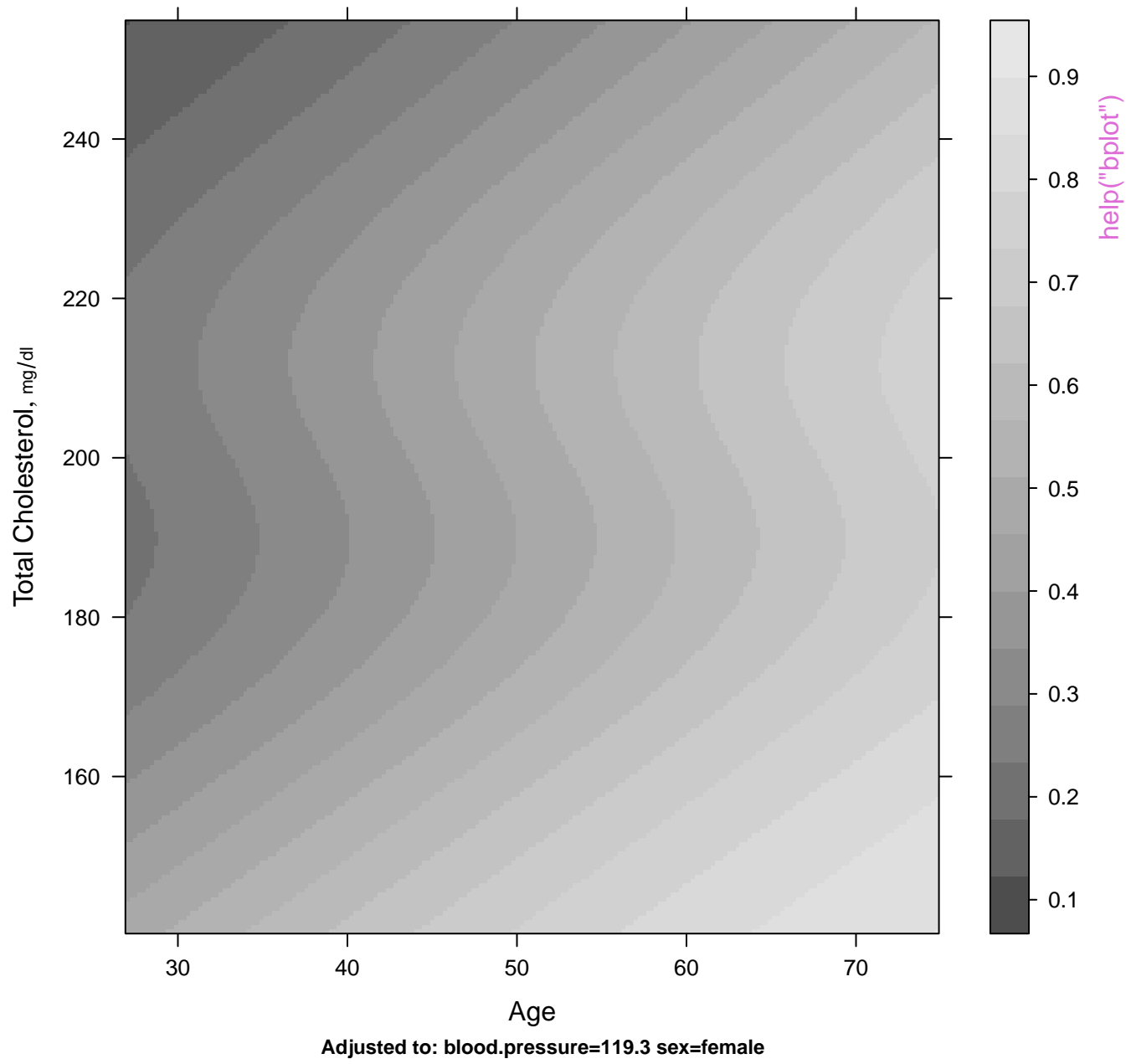


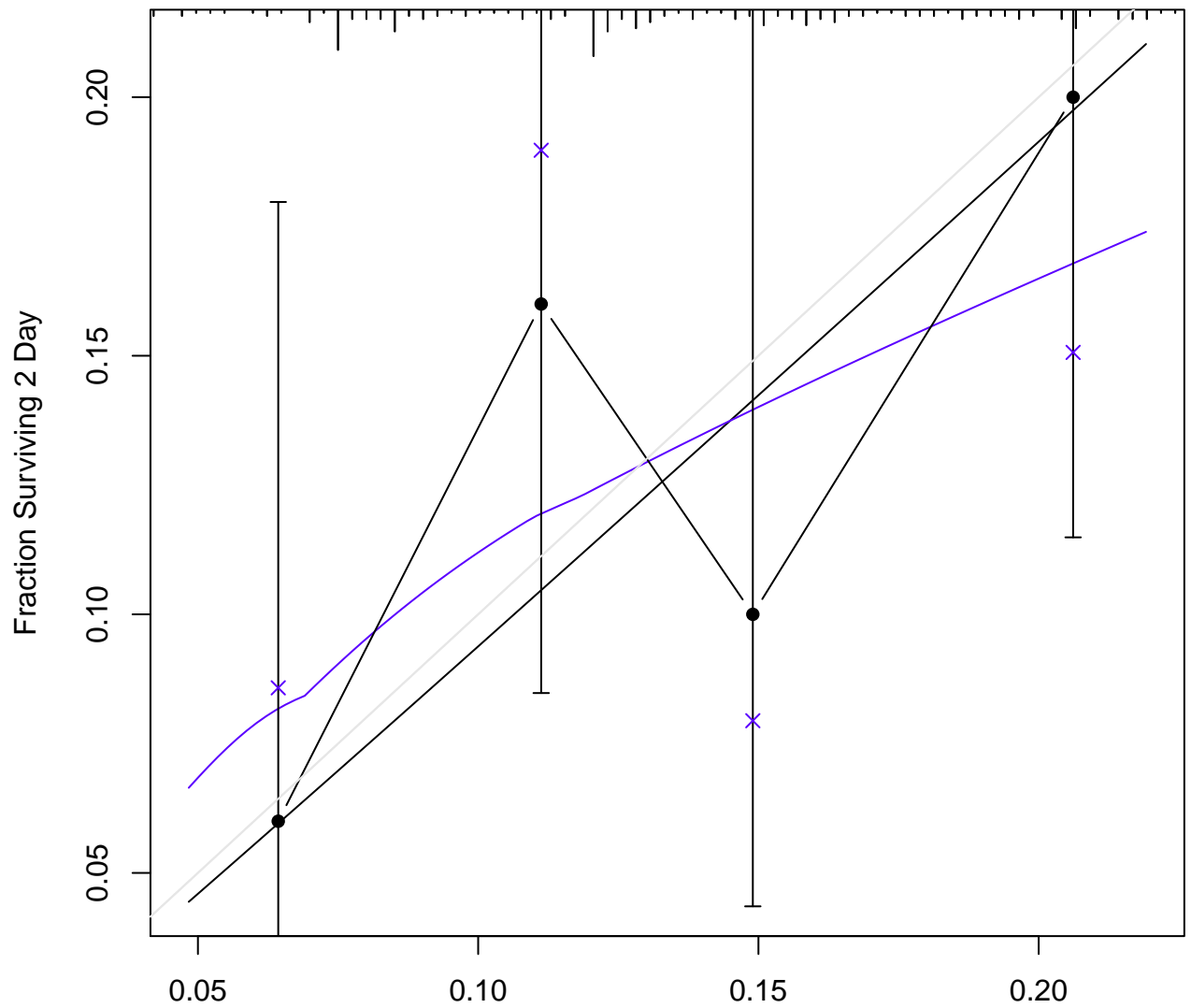
help("bplot")



`help("bplot")`



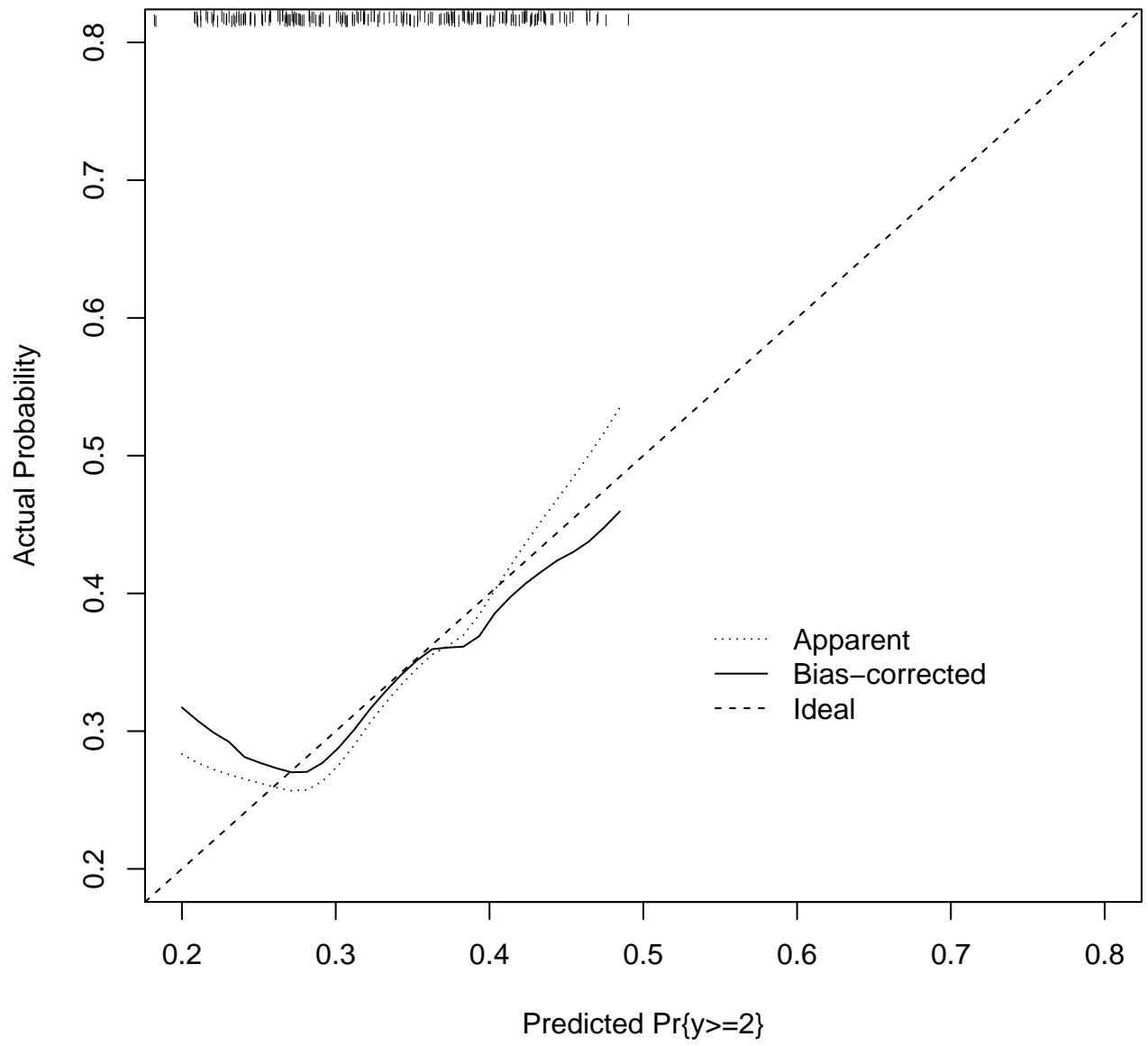




Black: observed
 Gray: ideal
 Blue : optimism corrected

Predicted 2 Day Survival_{B=20} based on observed-predicted
 Mean |error|=0.018 0.9 Quantile=0.039

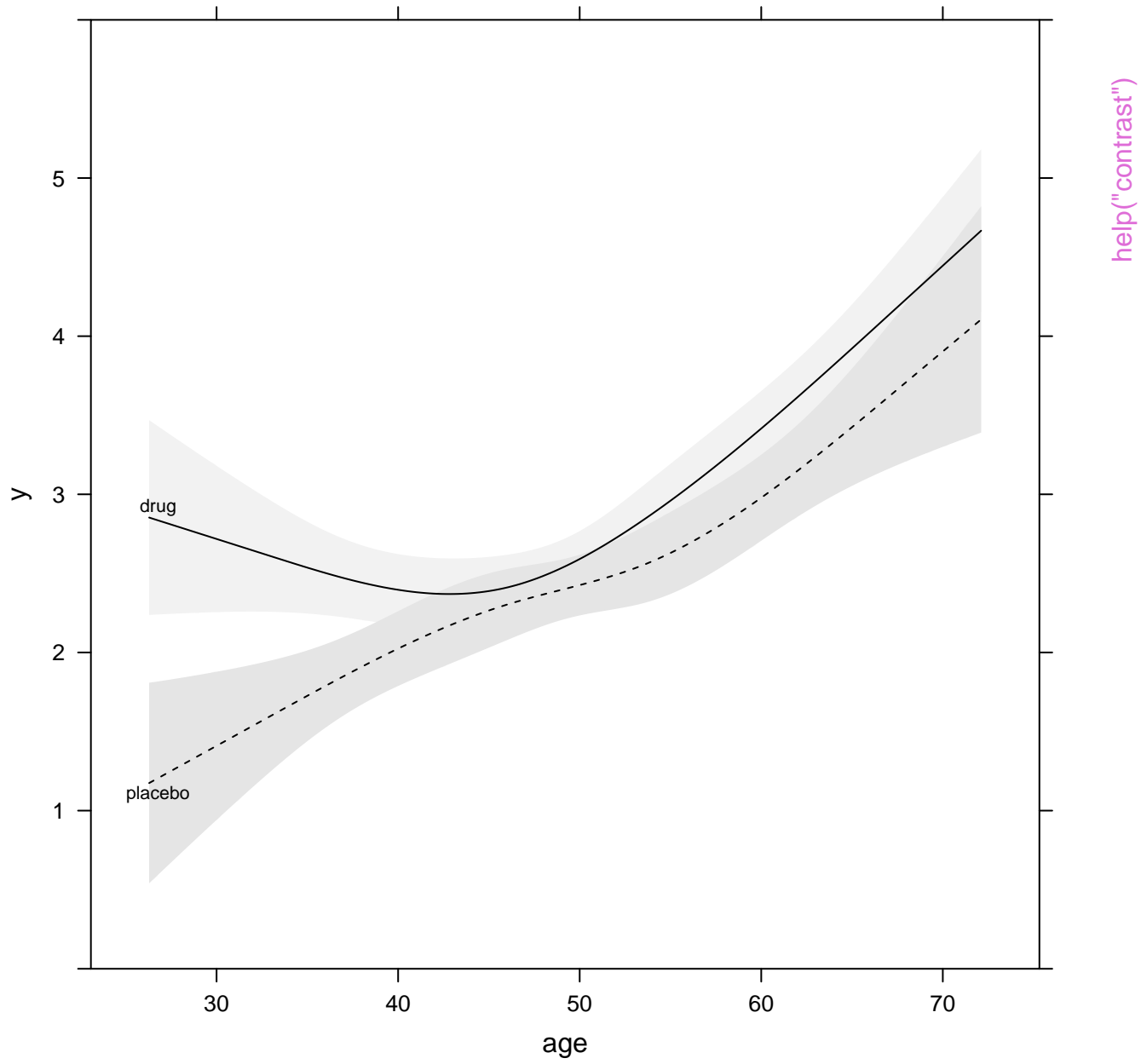
help("calibrate")

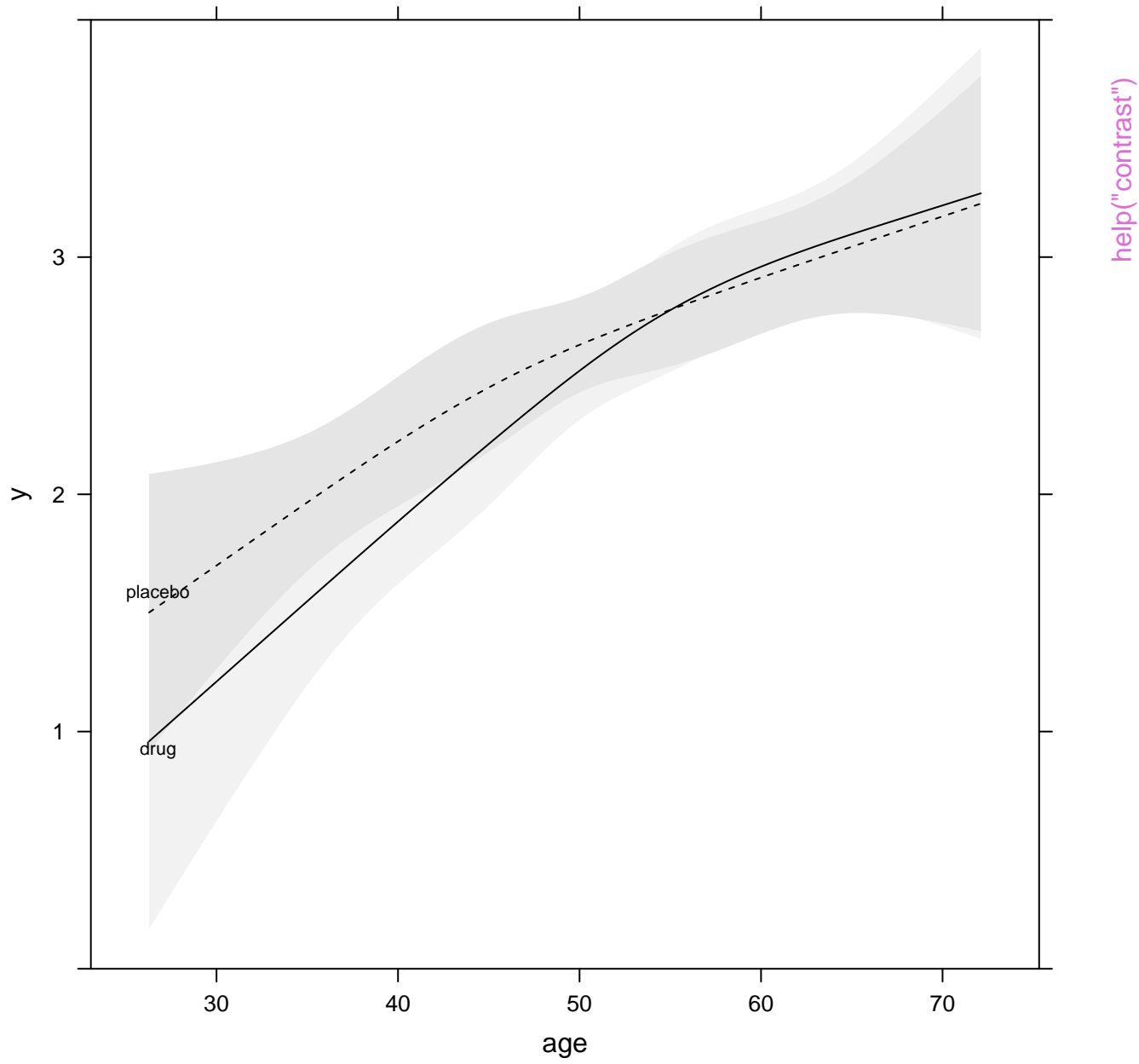


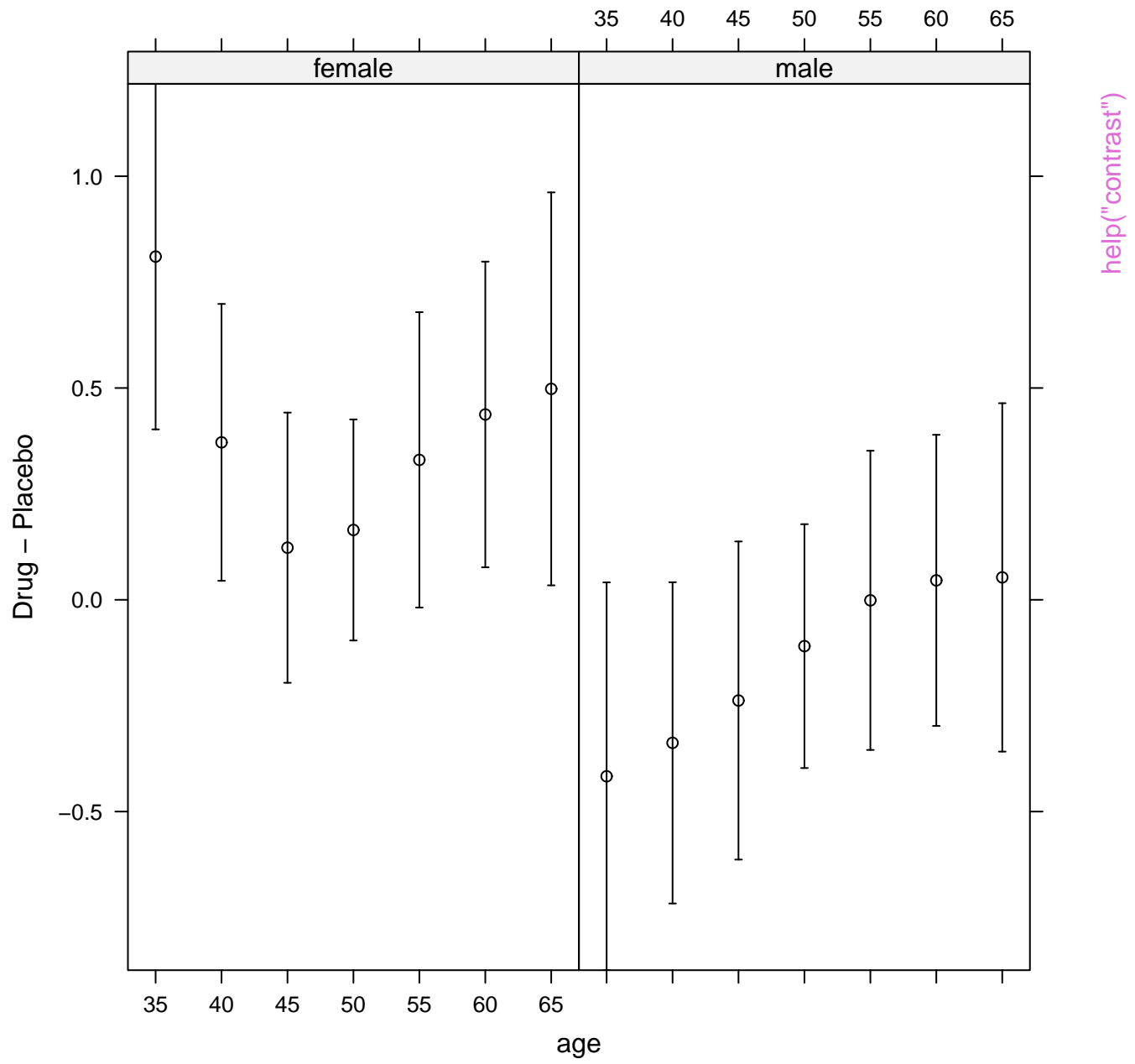
B= 40 repetitions, boot

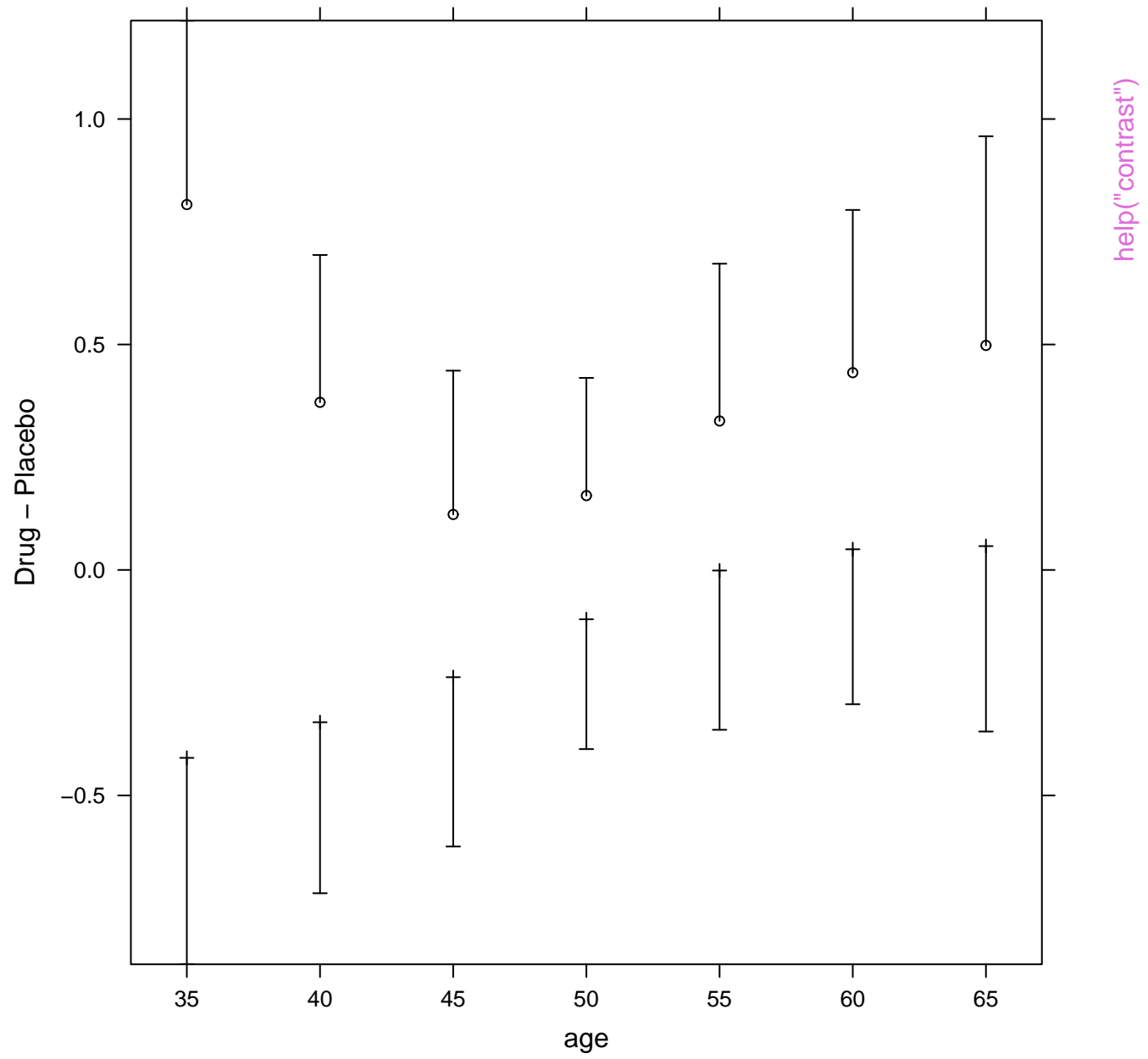
Mean absolute error=0.023 n=200

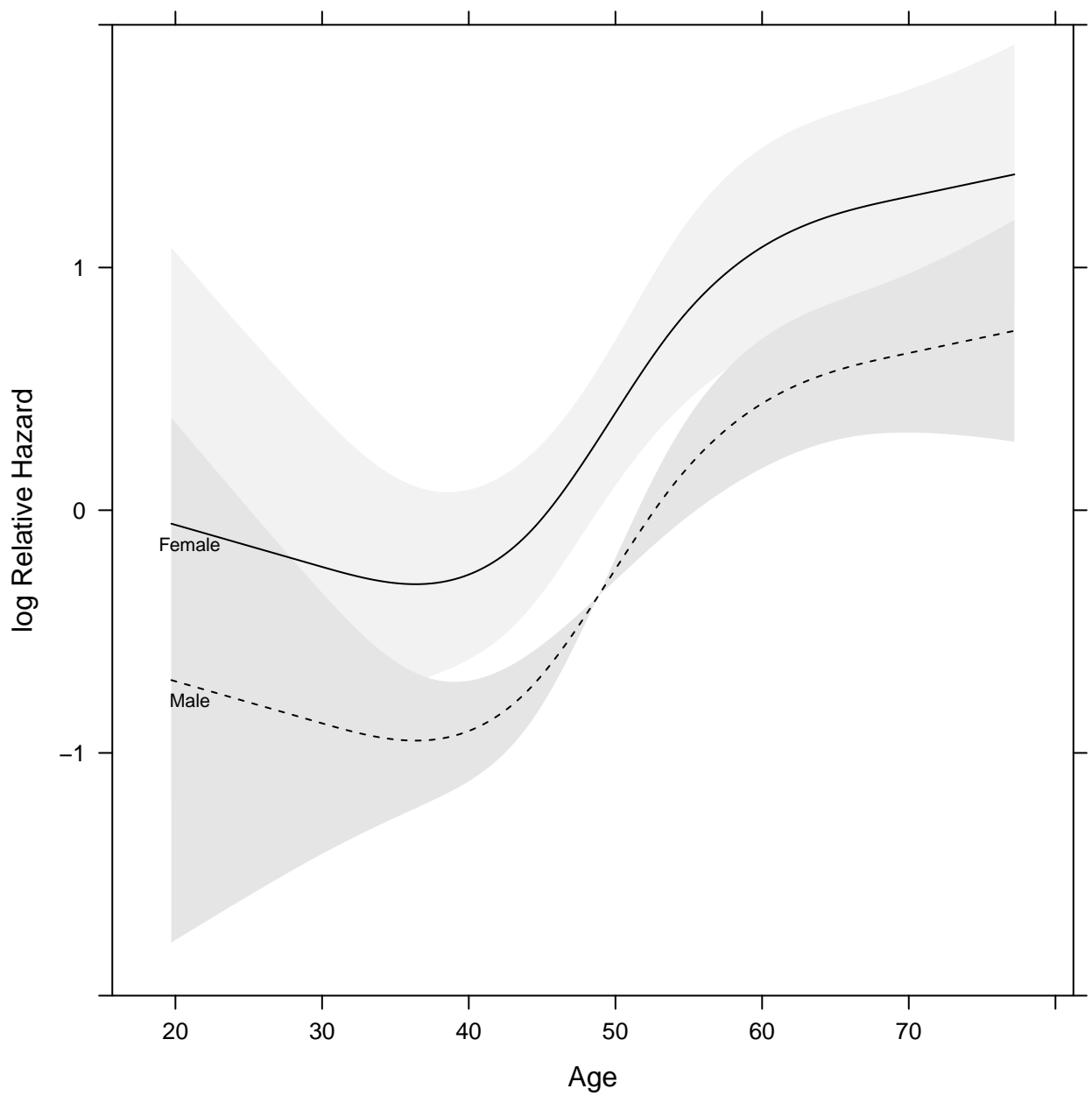
help("calibrate")



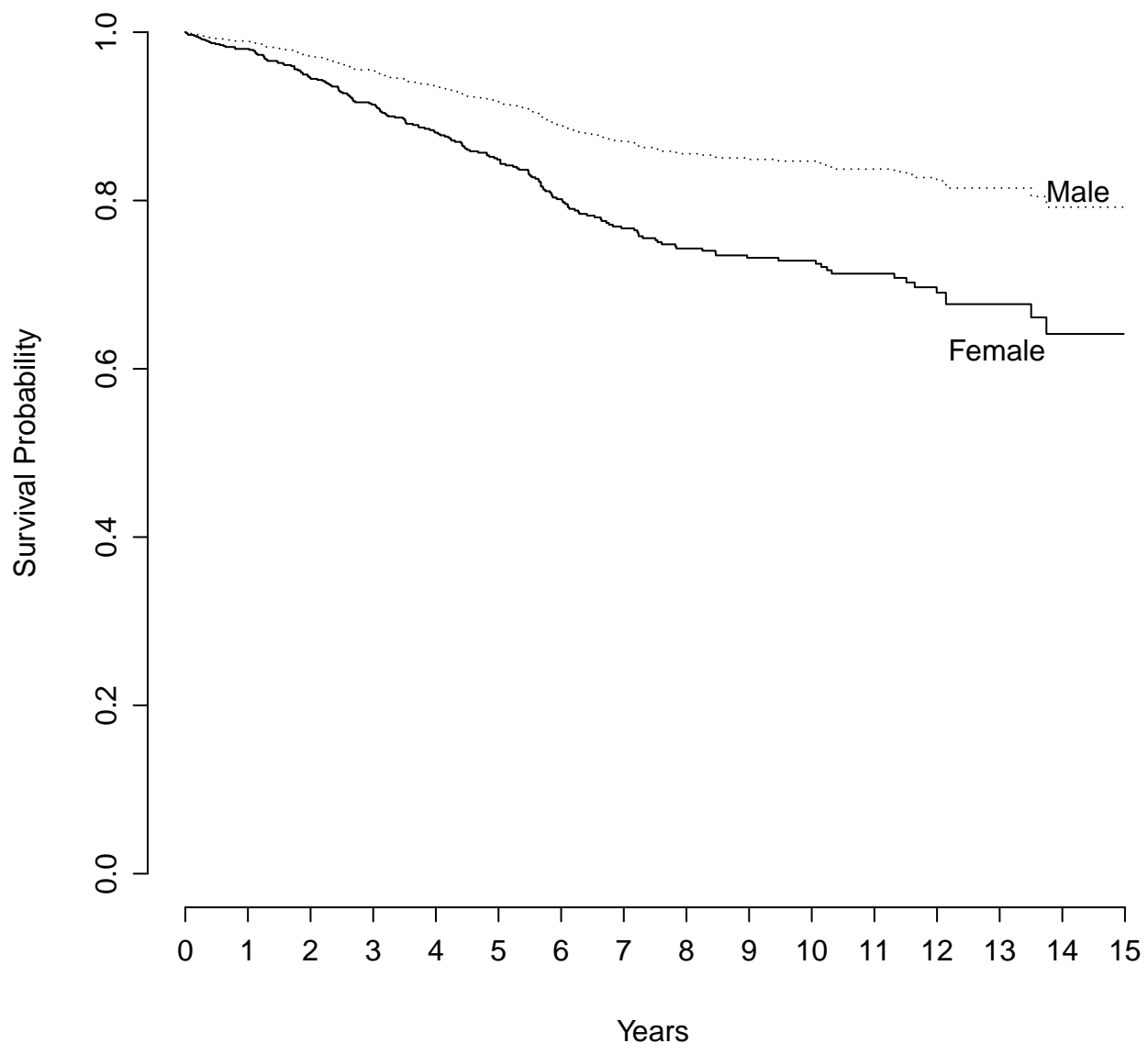




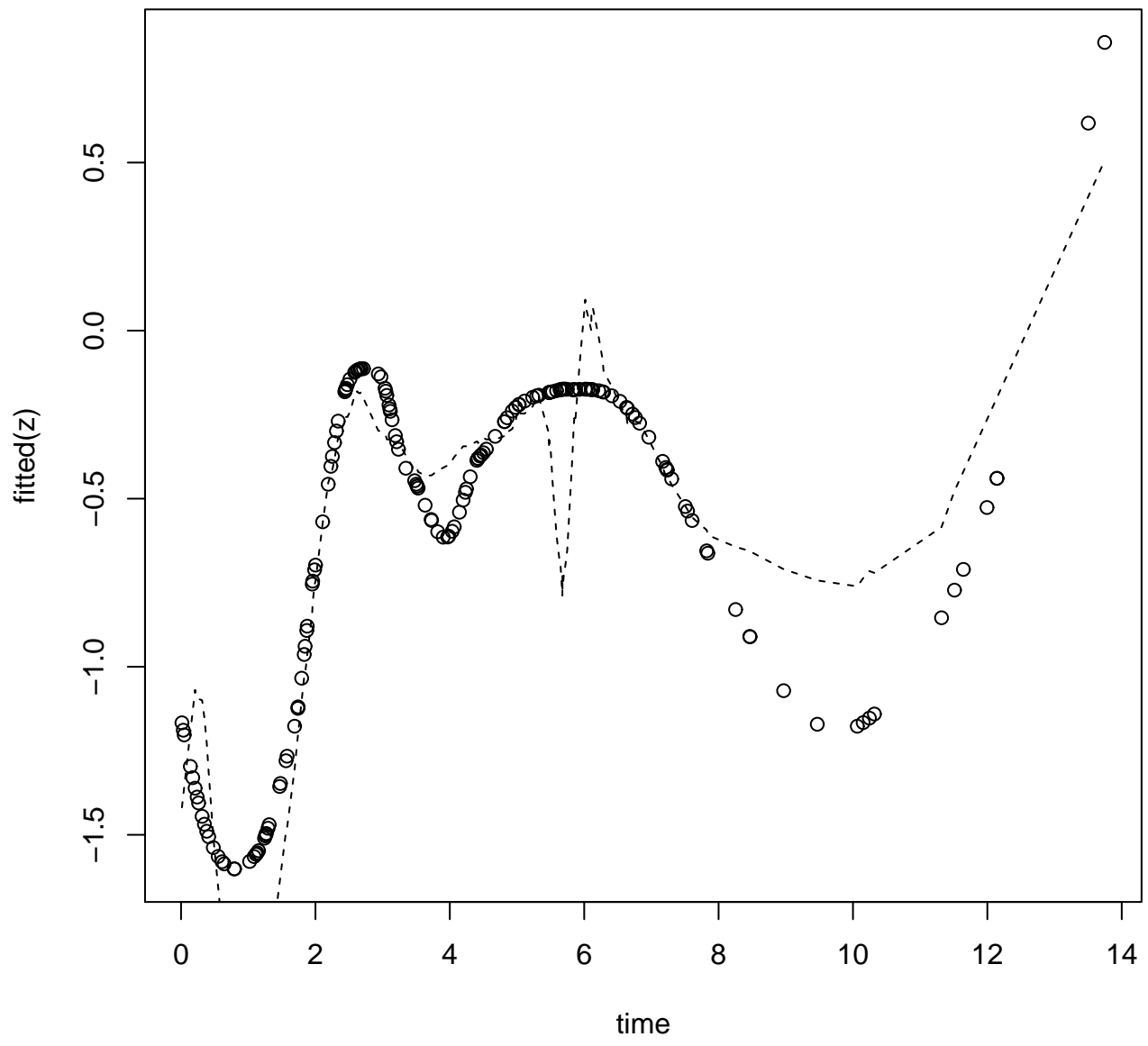




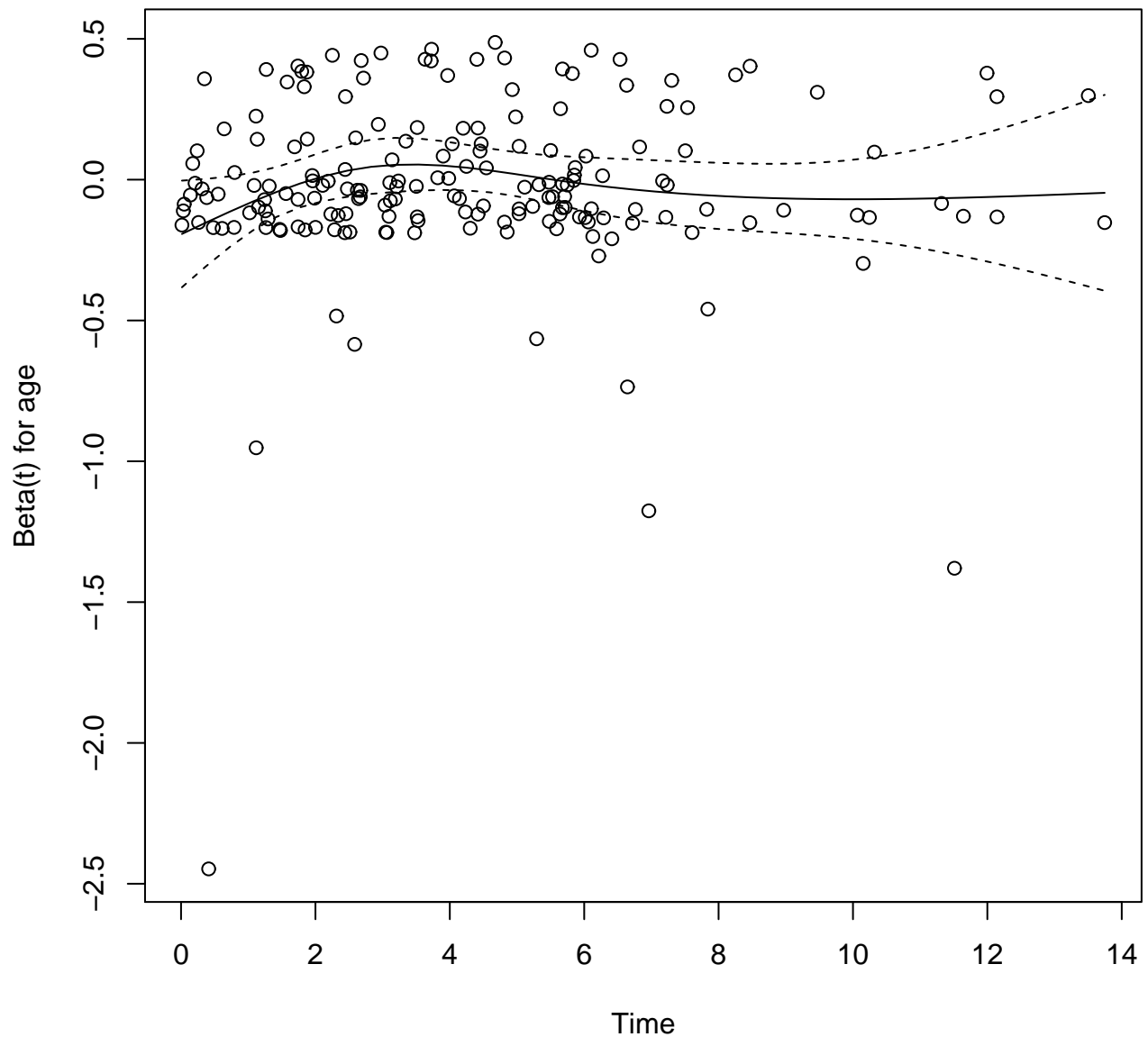
help("cph")



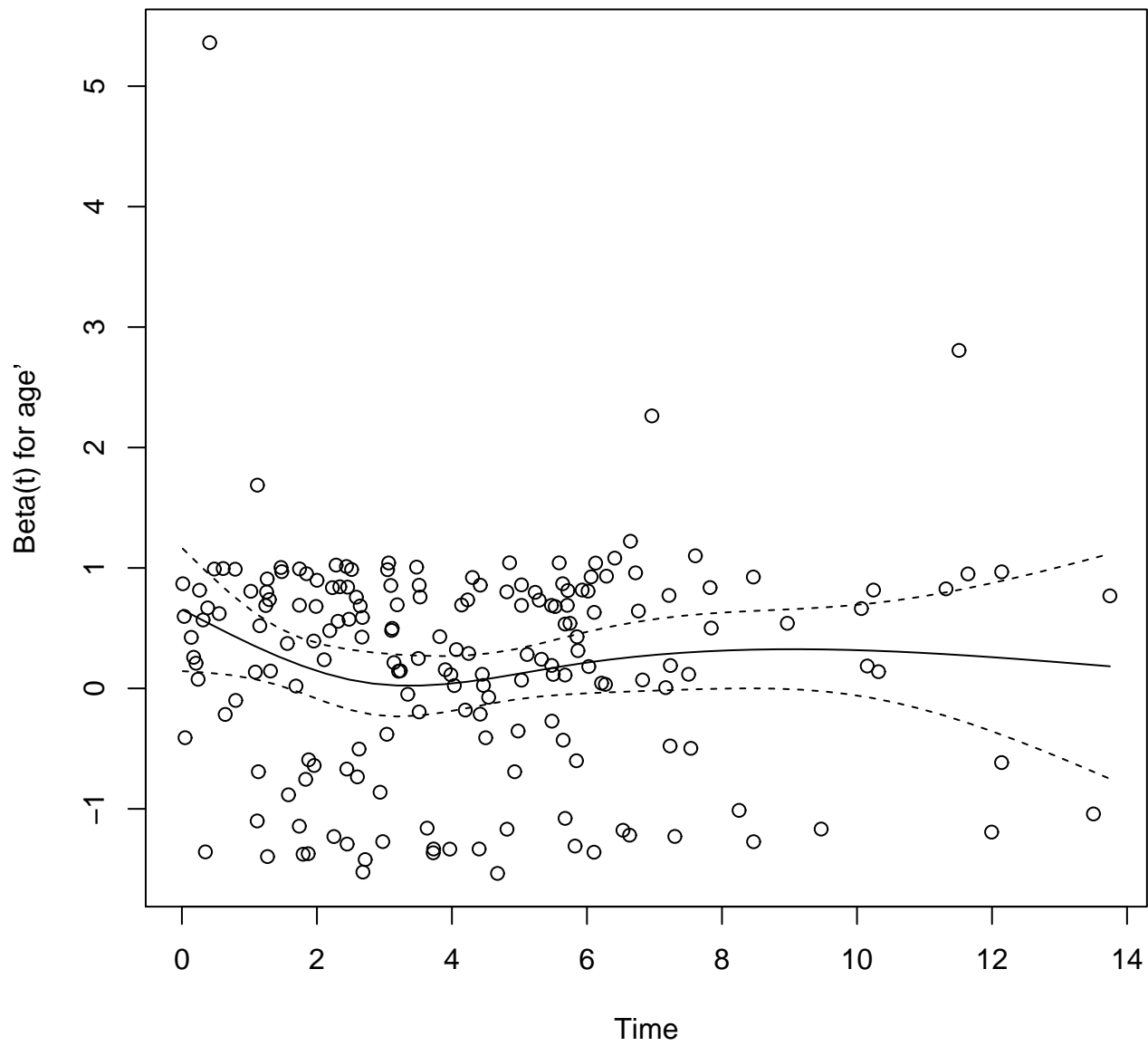
help("cph")



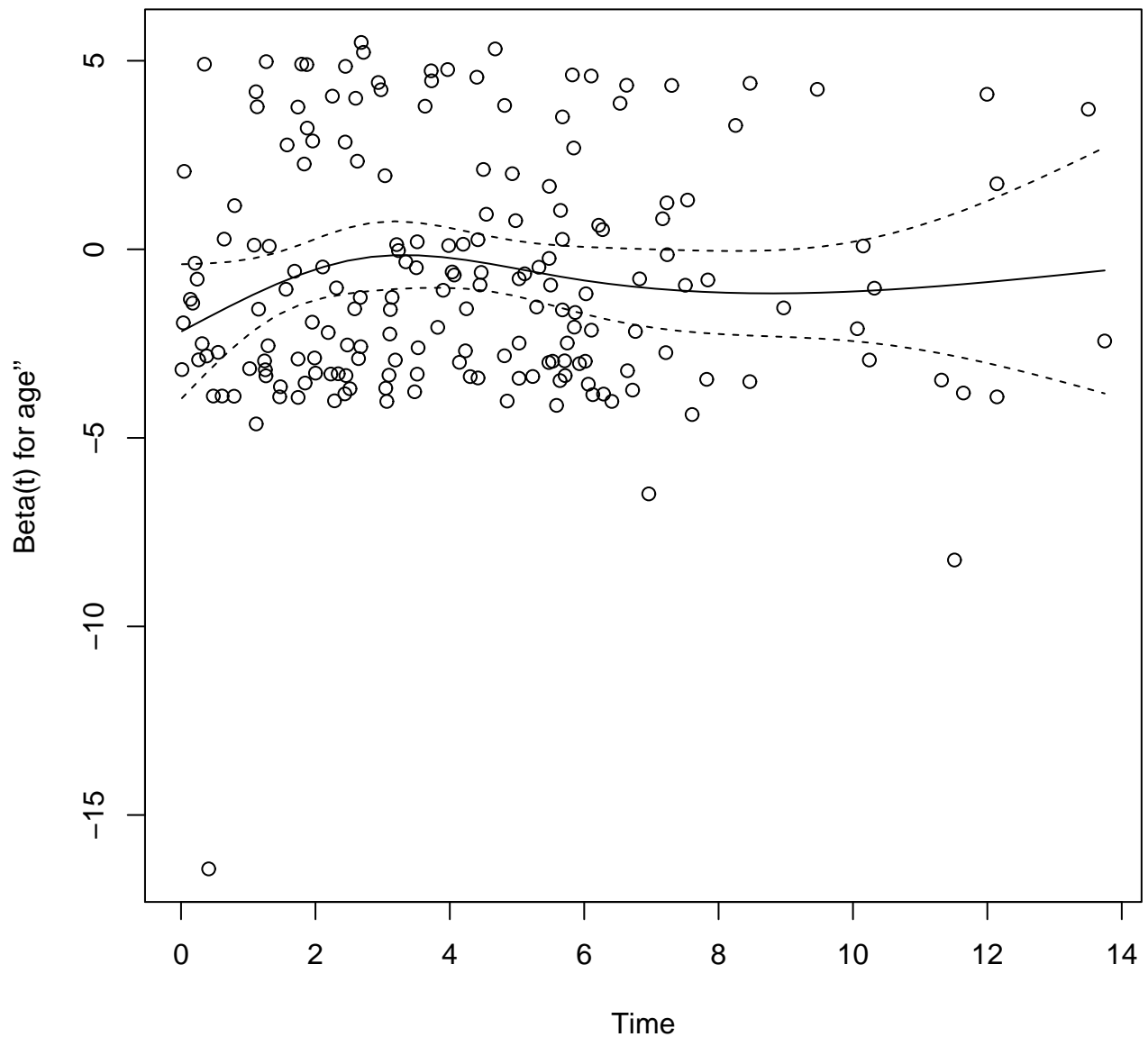
help("cph")



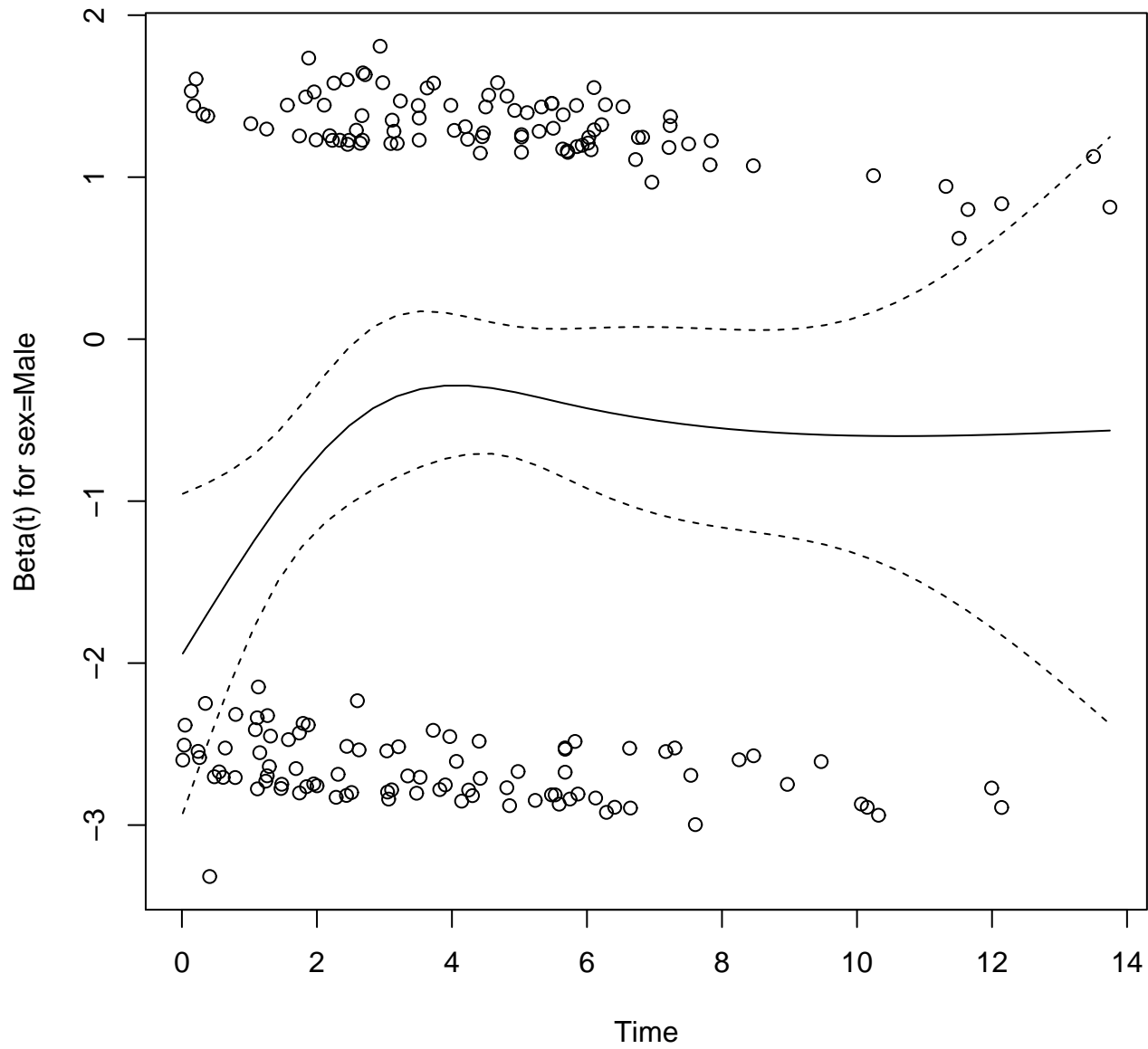
help("cph")



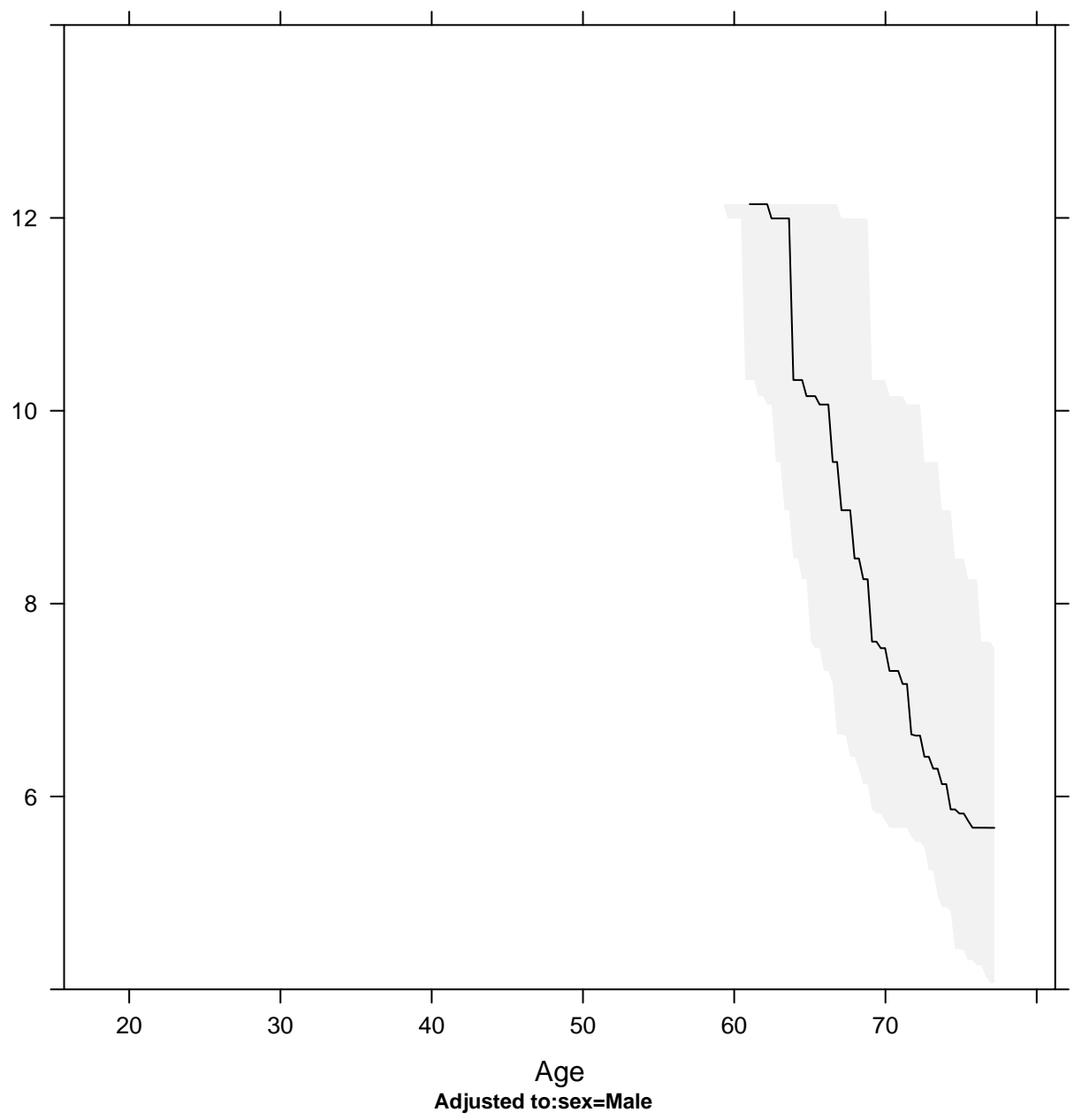
help("cph")



help("cph")

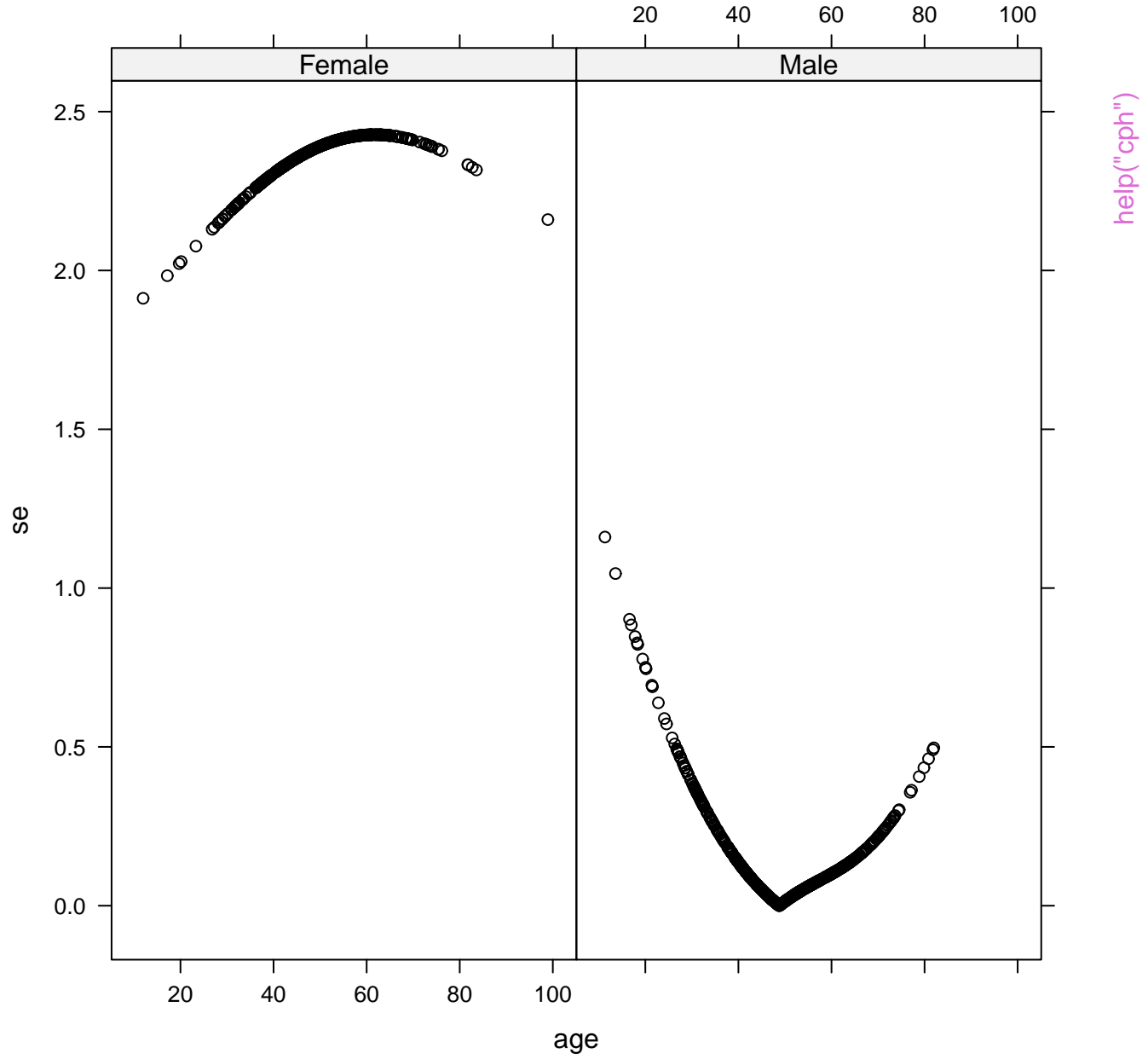


help("cph")

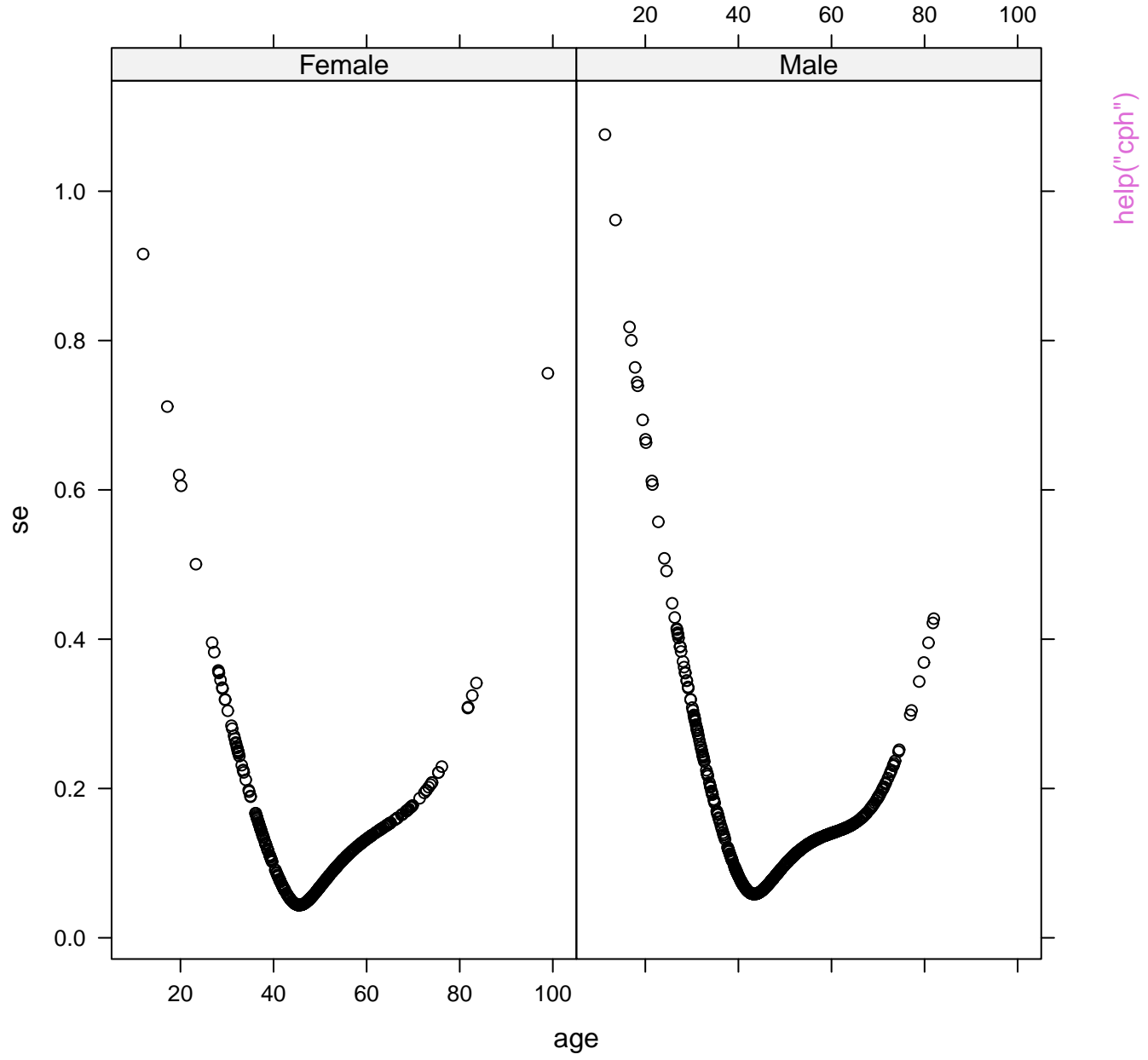


help("cph")

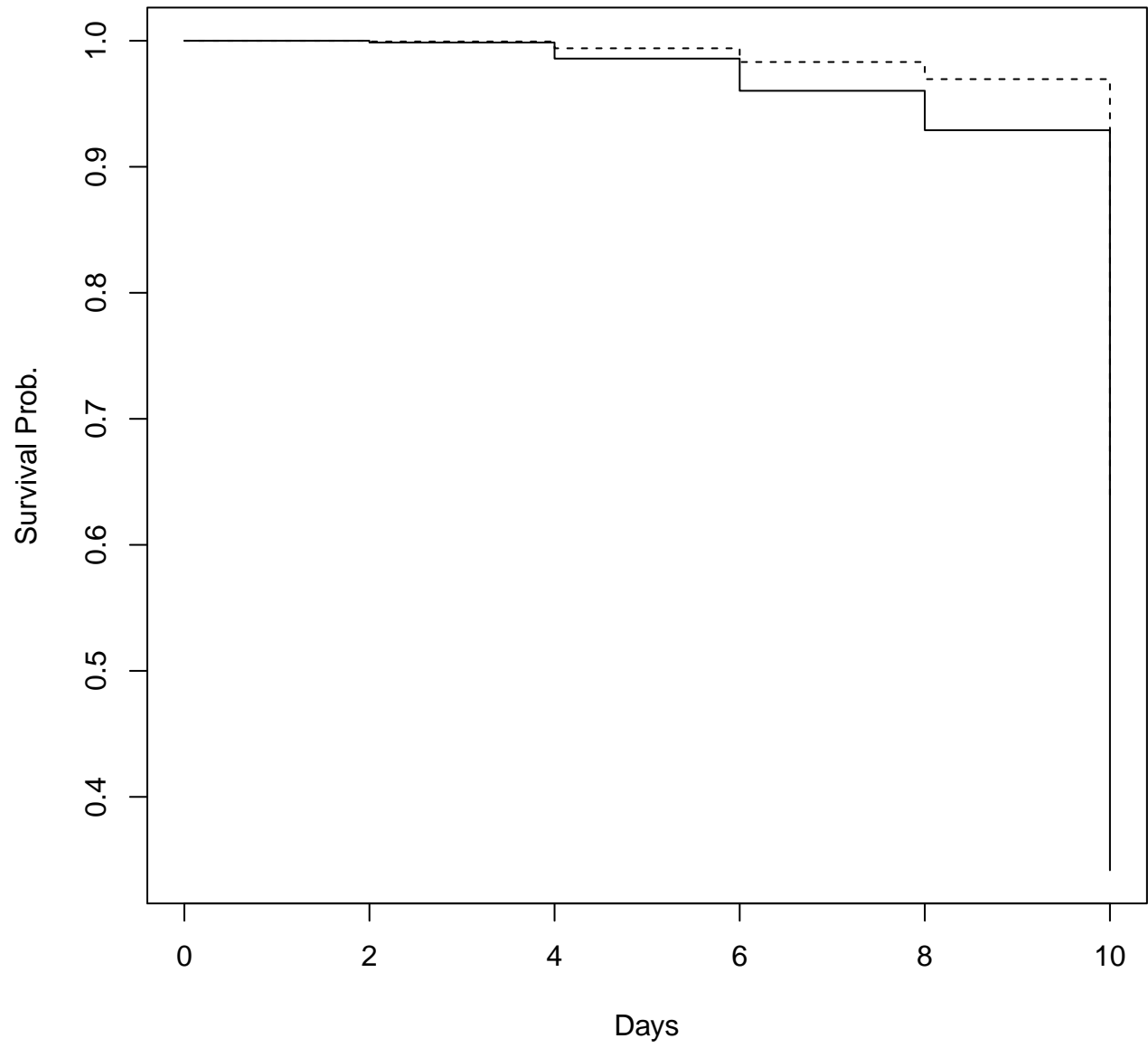
From cph



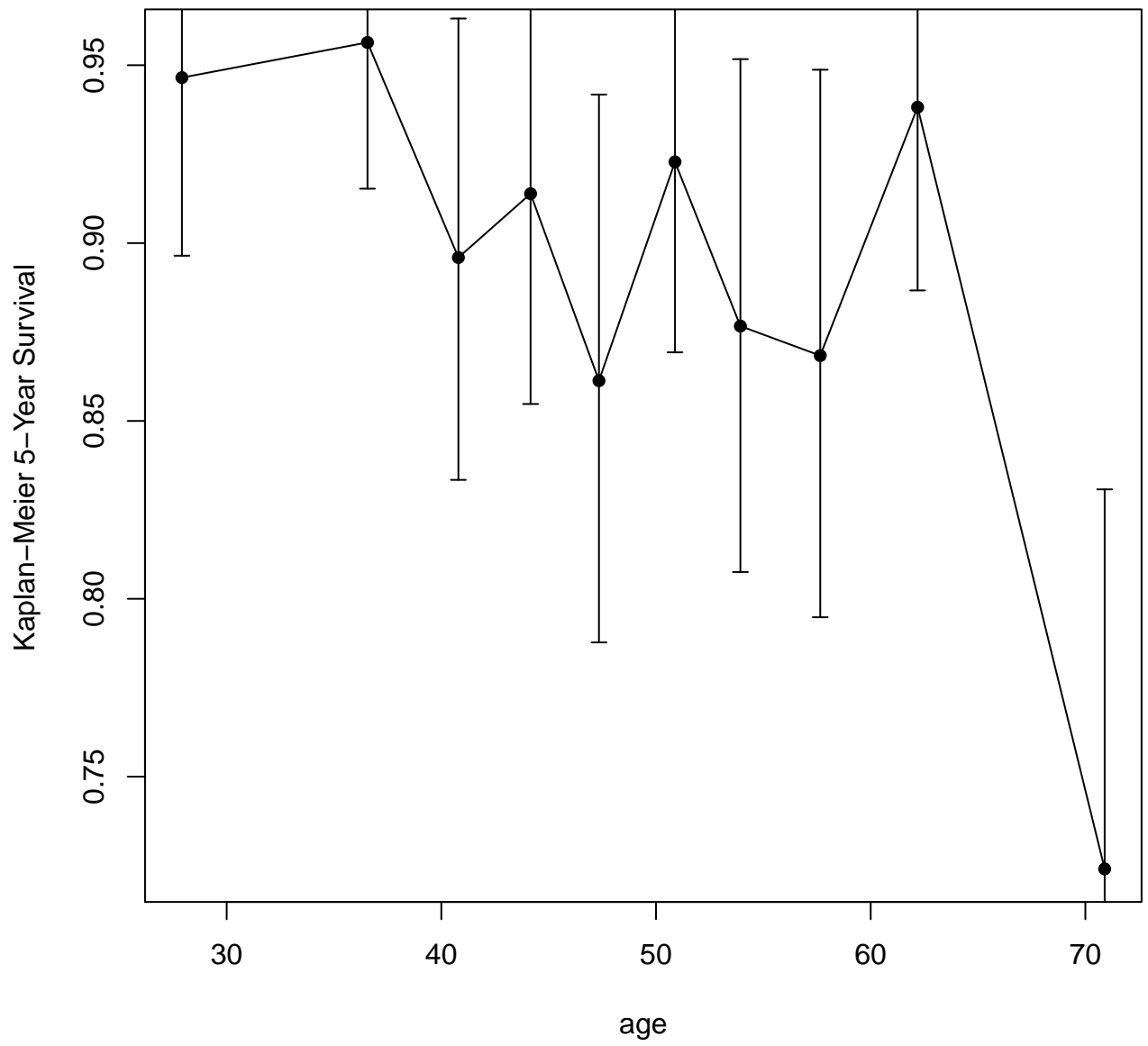
From coxph



help("coxph")

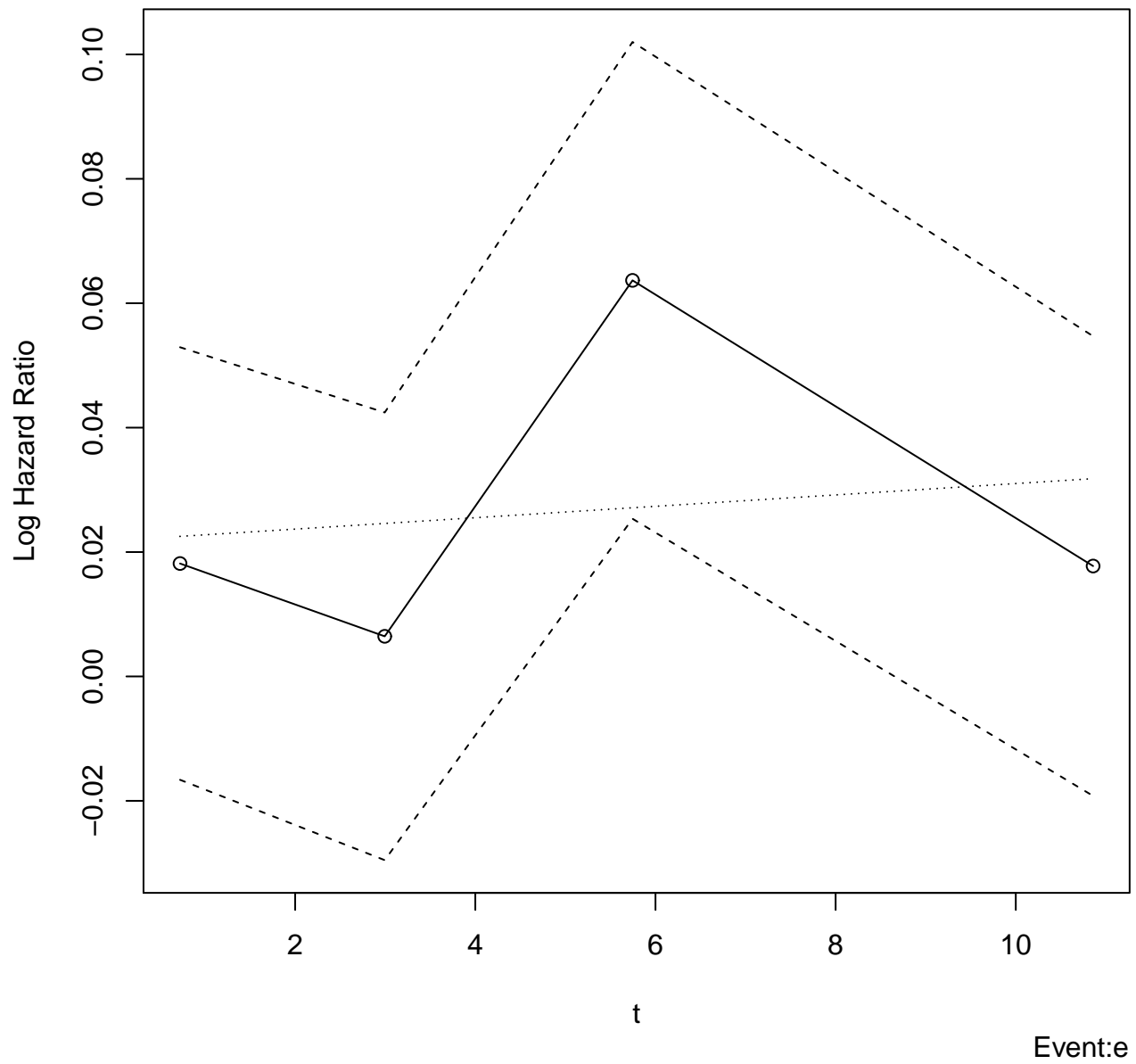


help("cph")

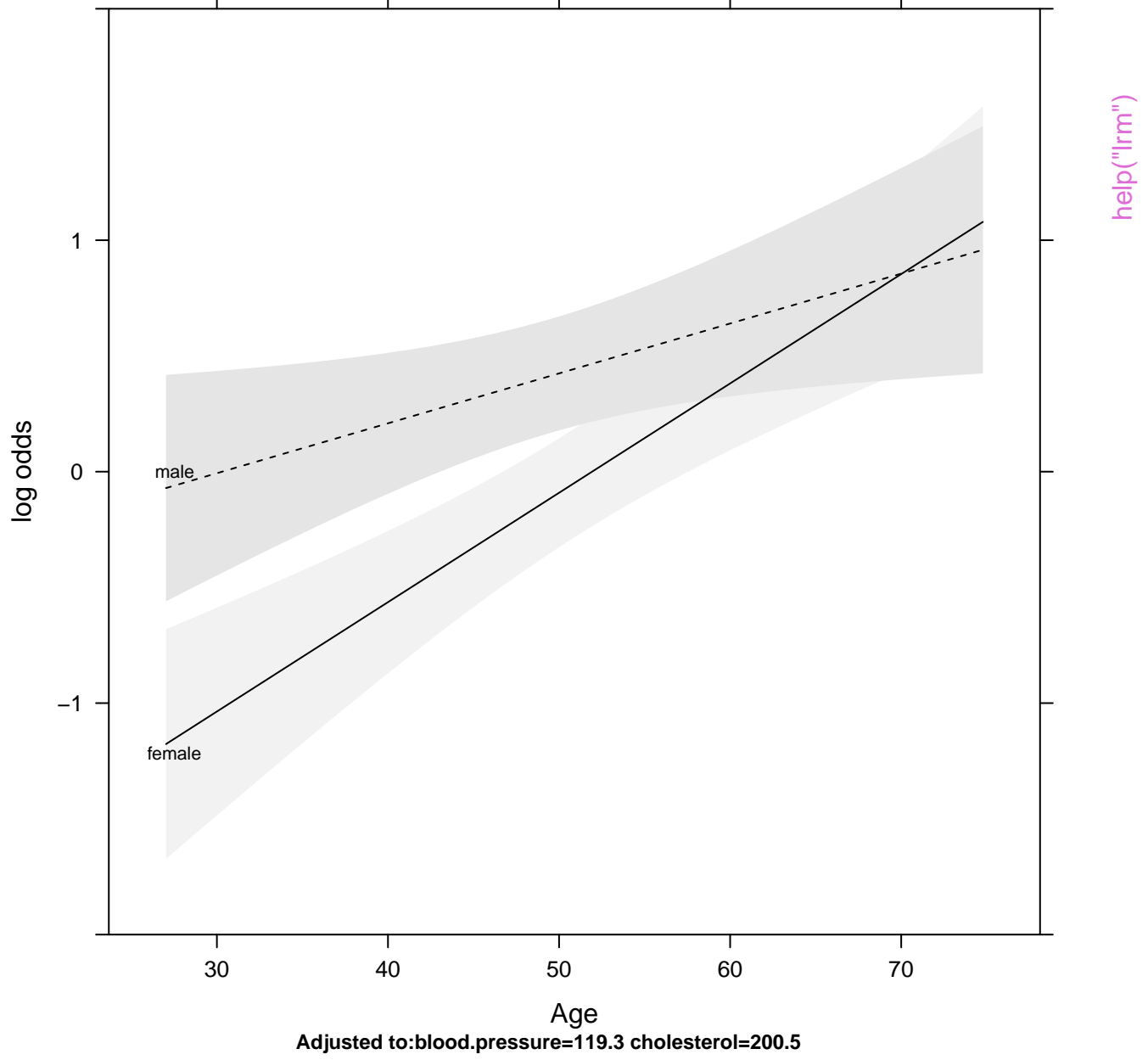


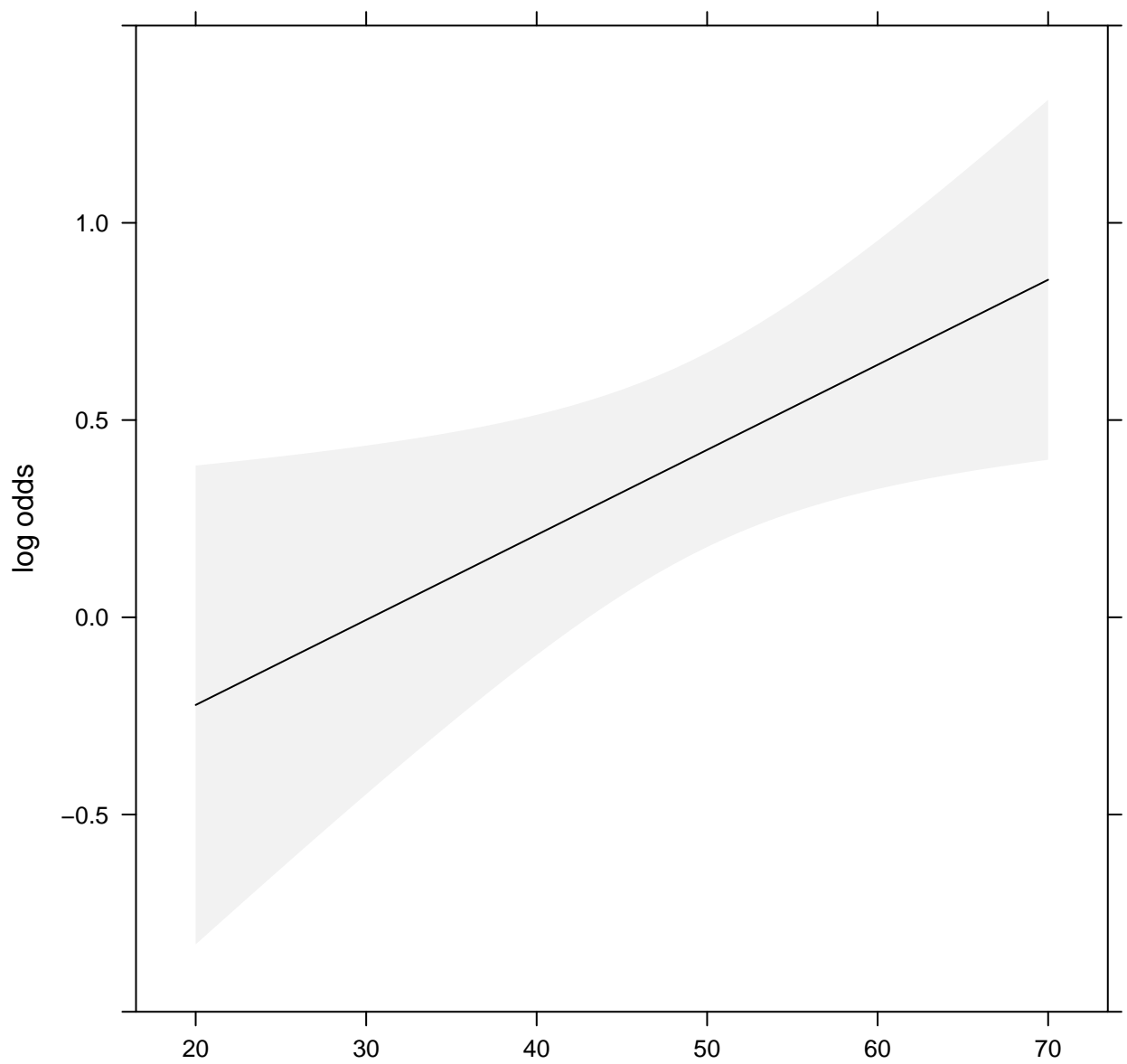
help("groupkcm")

n=1000 d=139, avg. 100 patients per group



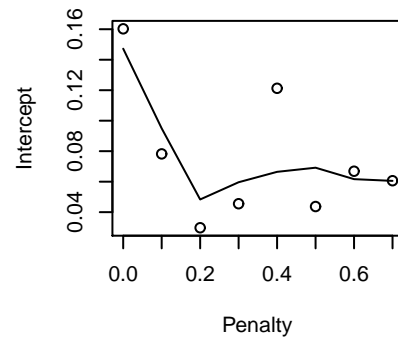
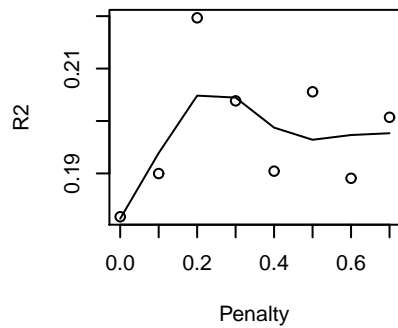
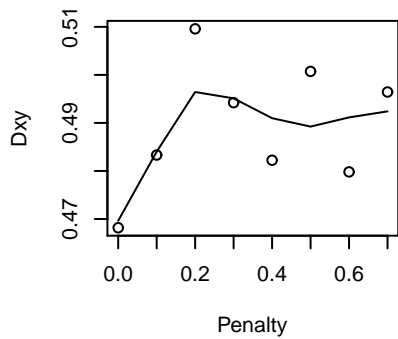
help("hazard.ratio.plot")



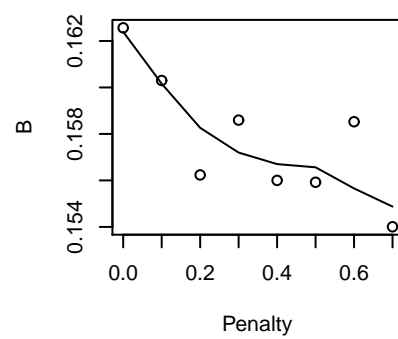
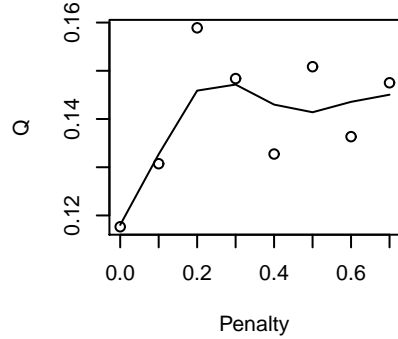
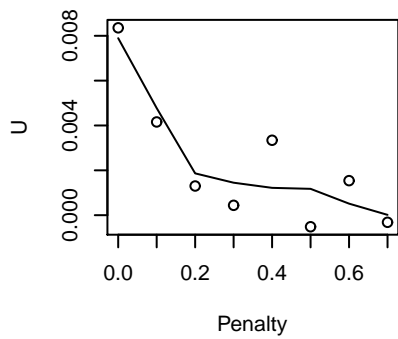
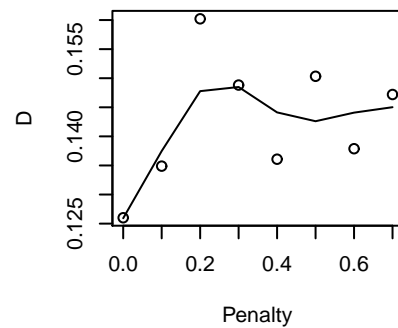
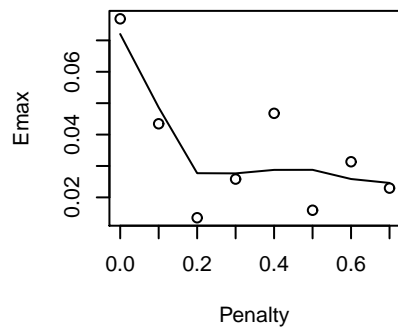
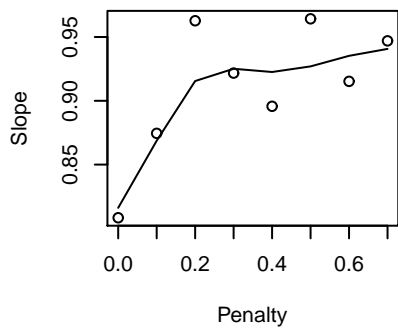


Adjusted to: blood.pressure=119.3 cholesterol=200.5

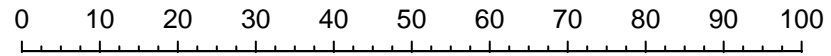
help("lrm")



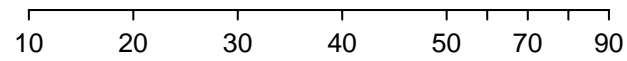
help("lrm")



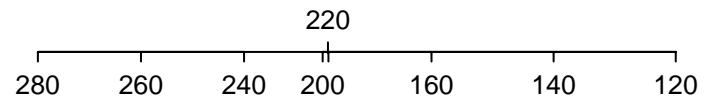
Points



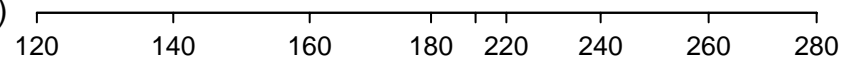
age



cholesterol
(sex=female)



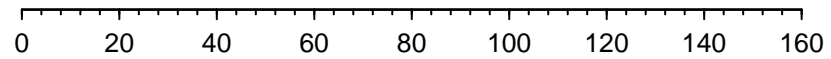
cholesterol (sex=male)



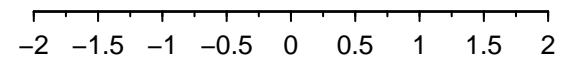
blood.pressure



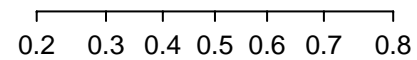
Total Points



Linear Predictor

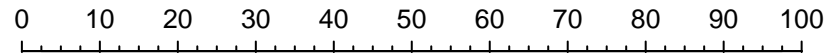


Risk of Death

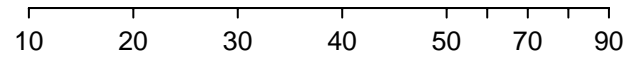


help("nomogram")

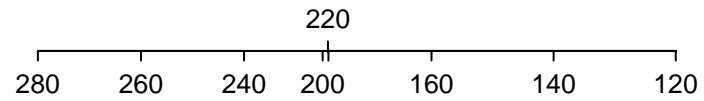
Points



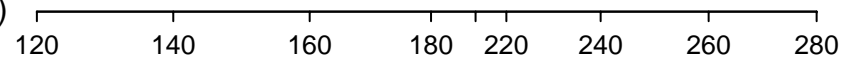
age



cholesterol
(sex=female)



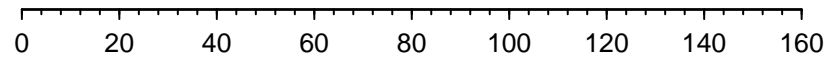
cholesterol (sex=male)



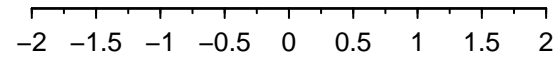
blood.pressure



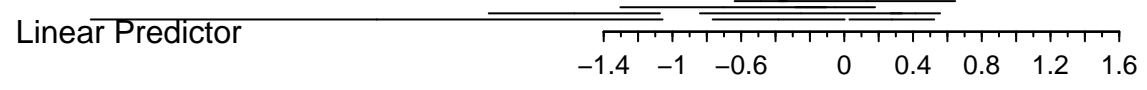
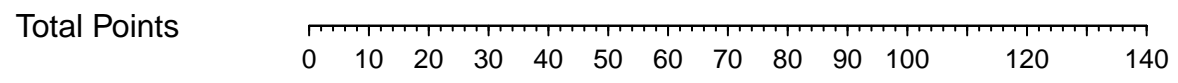
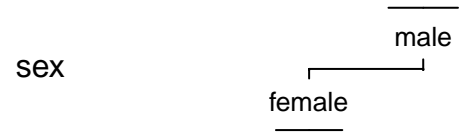
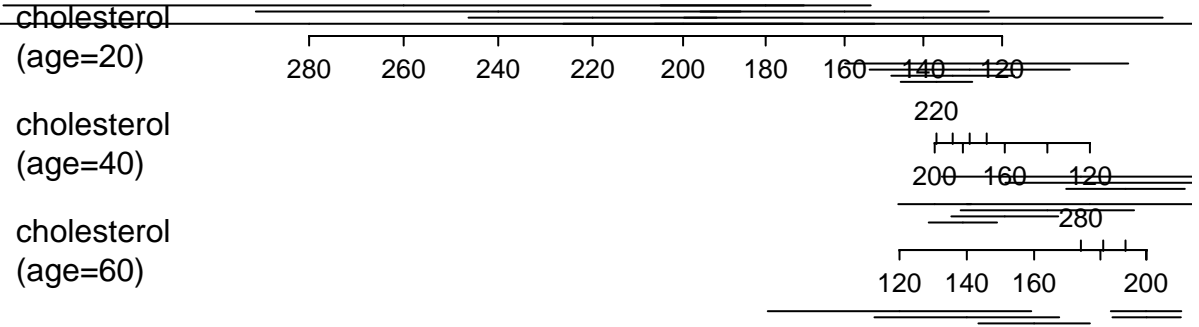
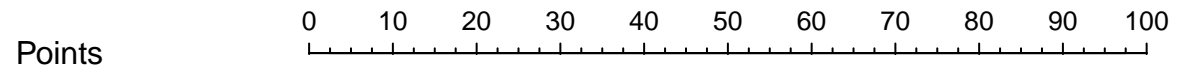
Total Points



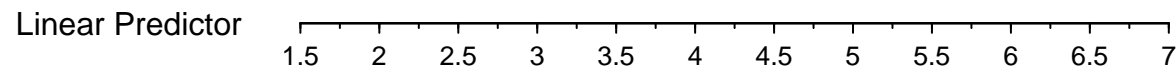
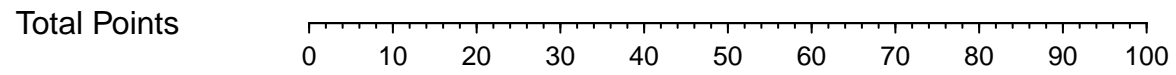
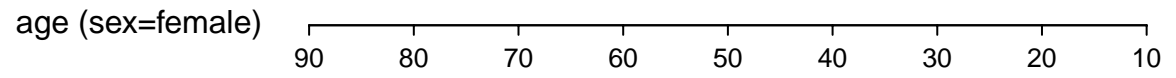
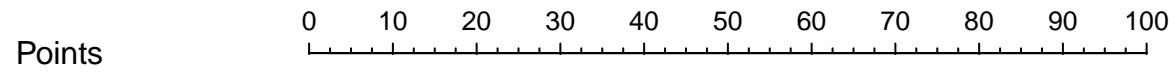
Linear Predictor



help("nomogram")

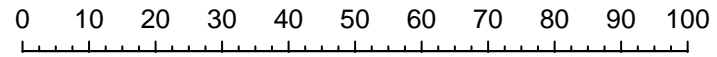


help("nomogram")

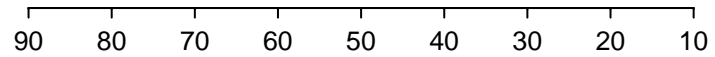


help("nomogram")

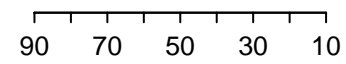
Points



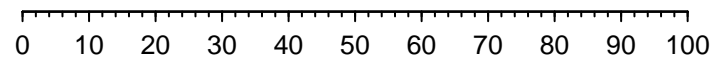
age (sex=female)



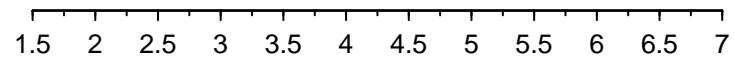
age (sex=male)



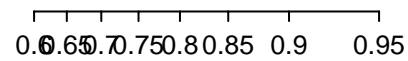
Total Points



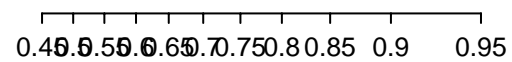
Linear Predictor



3-Month Survival Probability

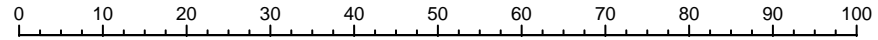


6-month Survival Probability

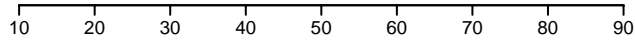


help("nomogram")

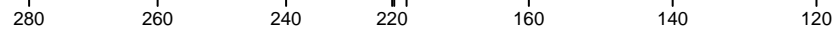
Points



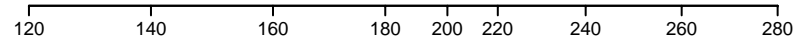
Age in Years



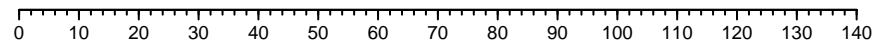
cholesterol
(sex=female)



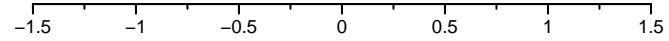
cholesterol
(sex=male)



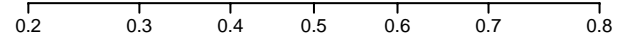
Total Points



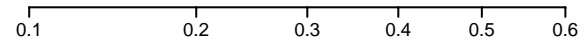
Linear Predictor



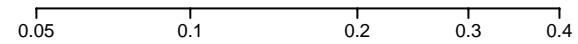
Prob $Y \geq 1$



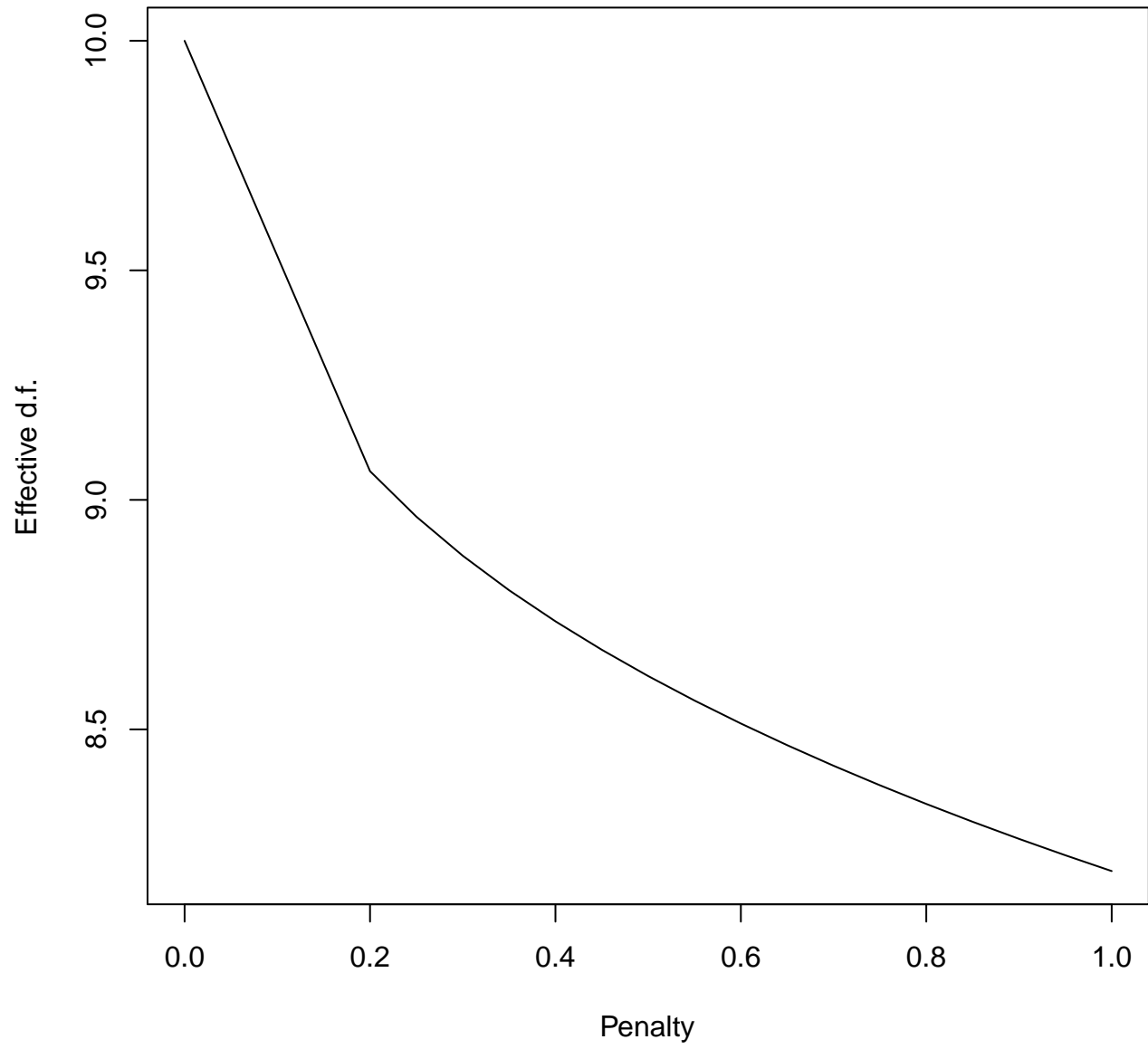
Prob $Y \geq 2$



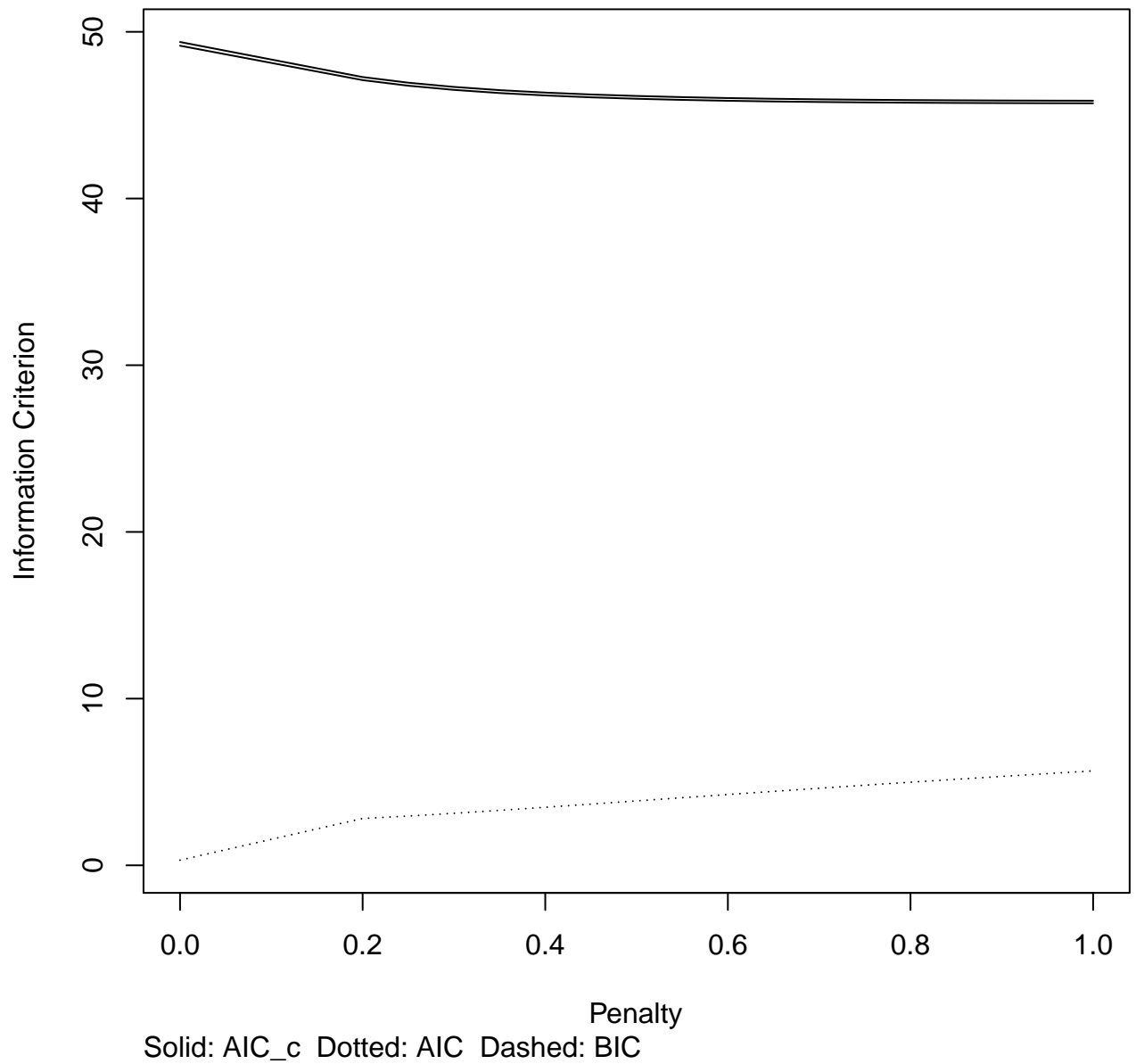
Prob $Y = 3$



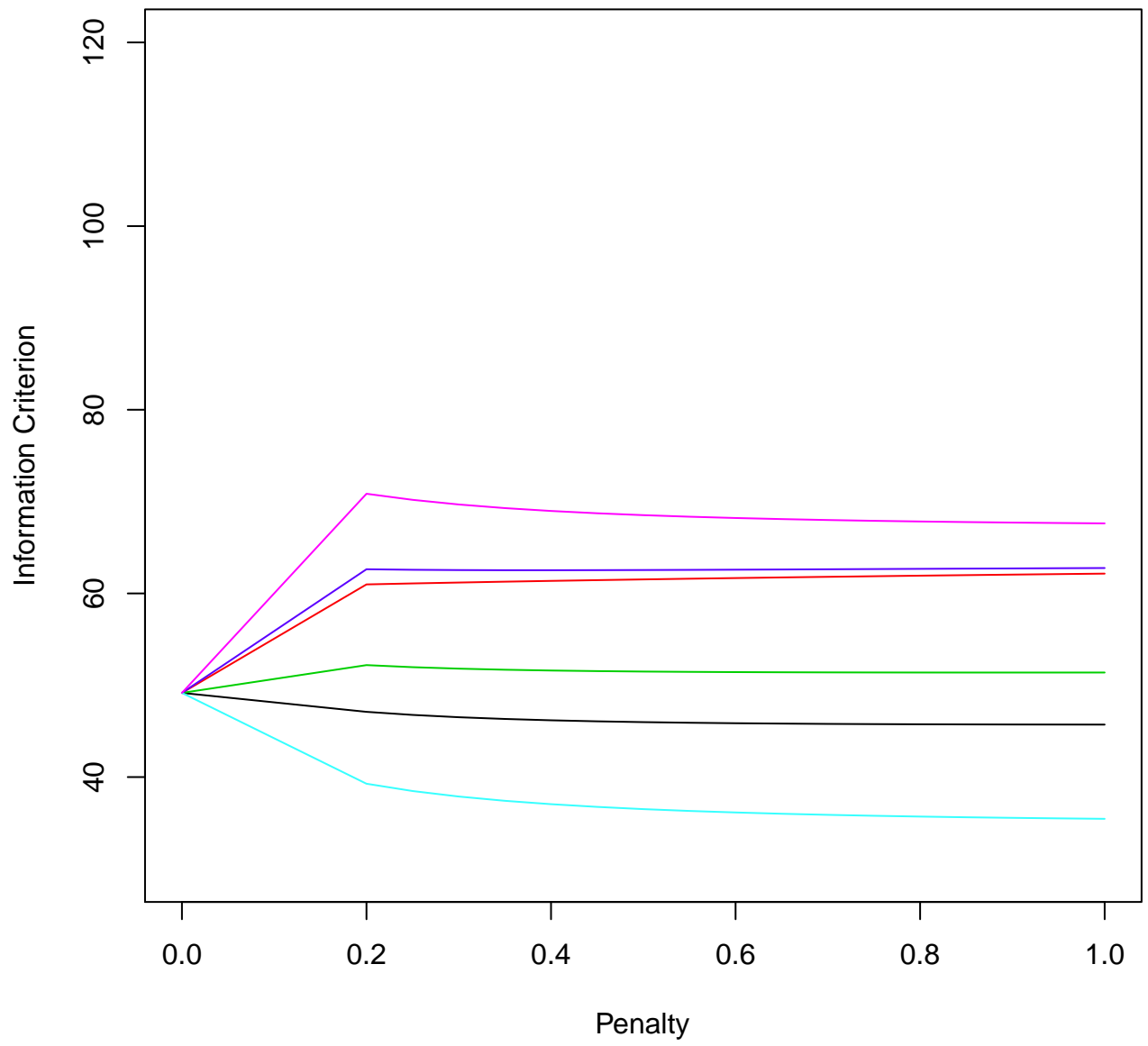
help("nomogram")



`help("pentrace")`

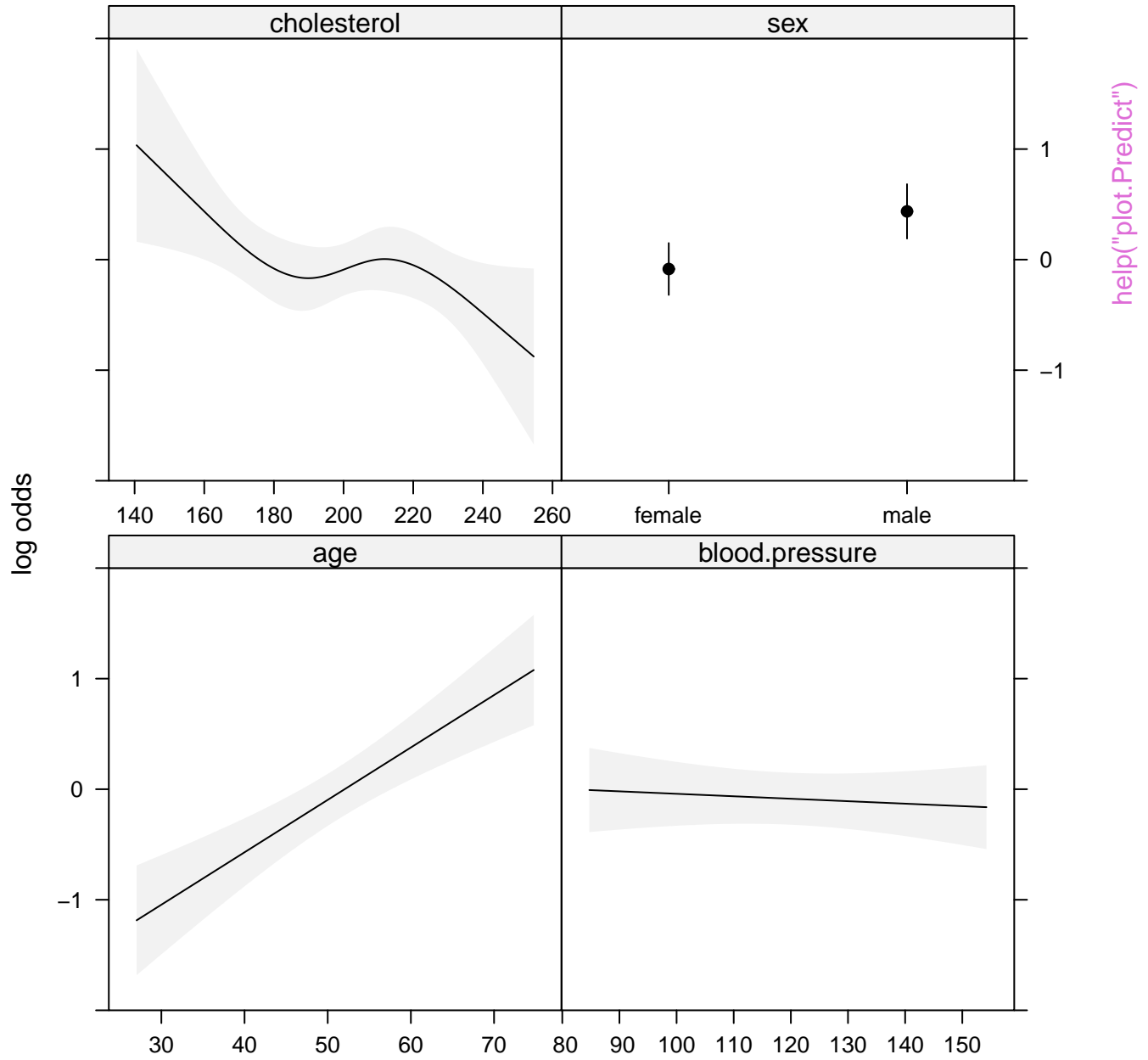


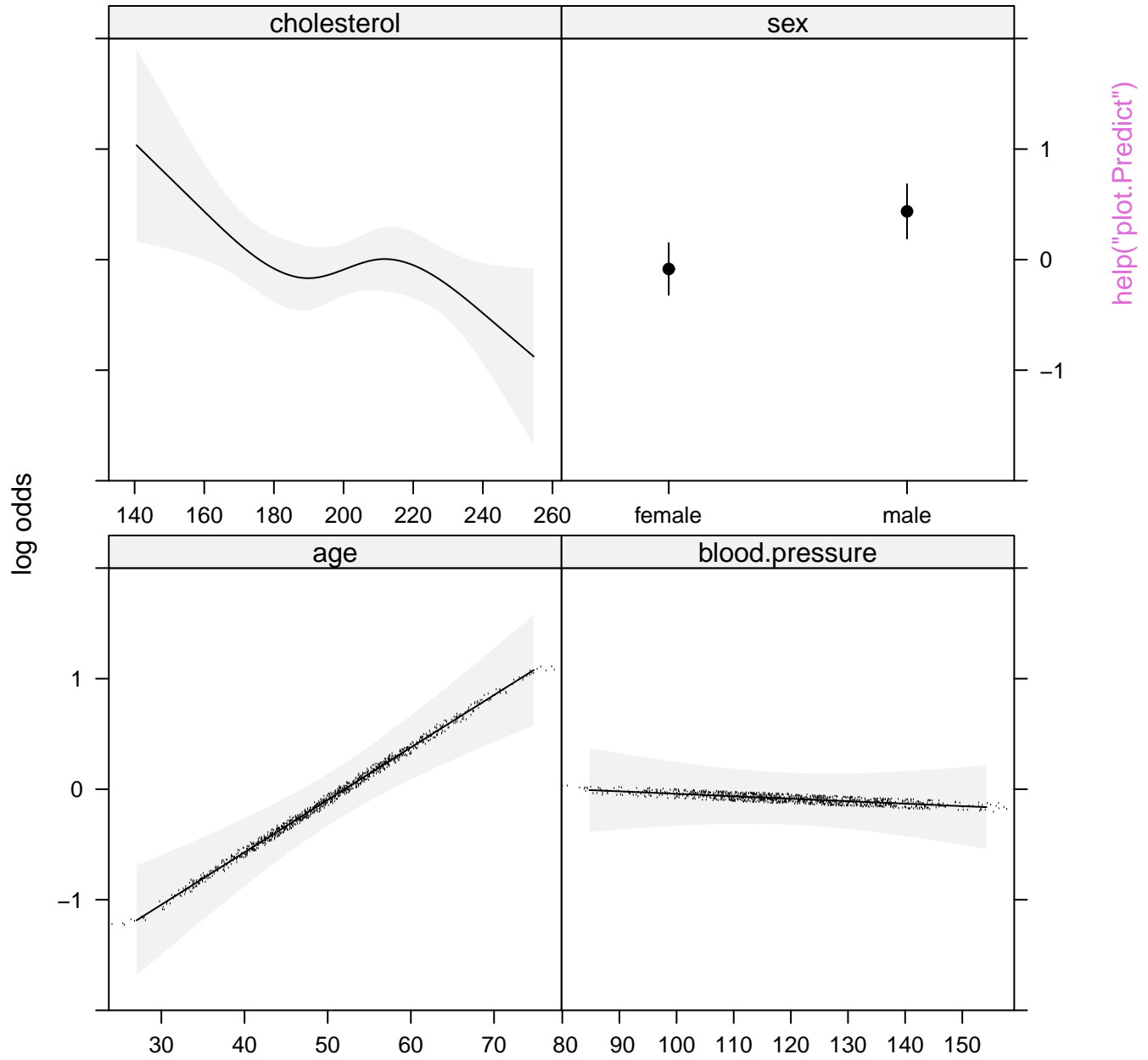
help("pentrace")

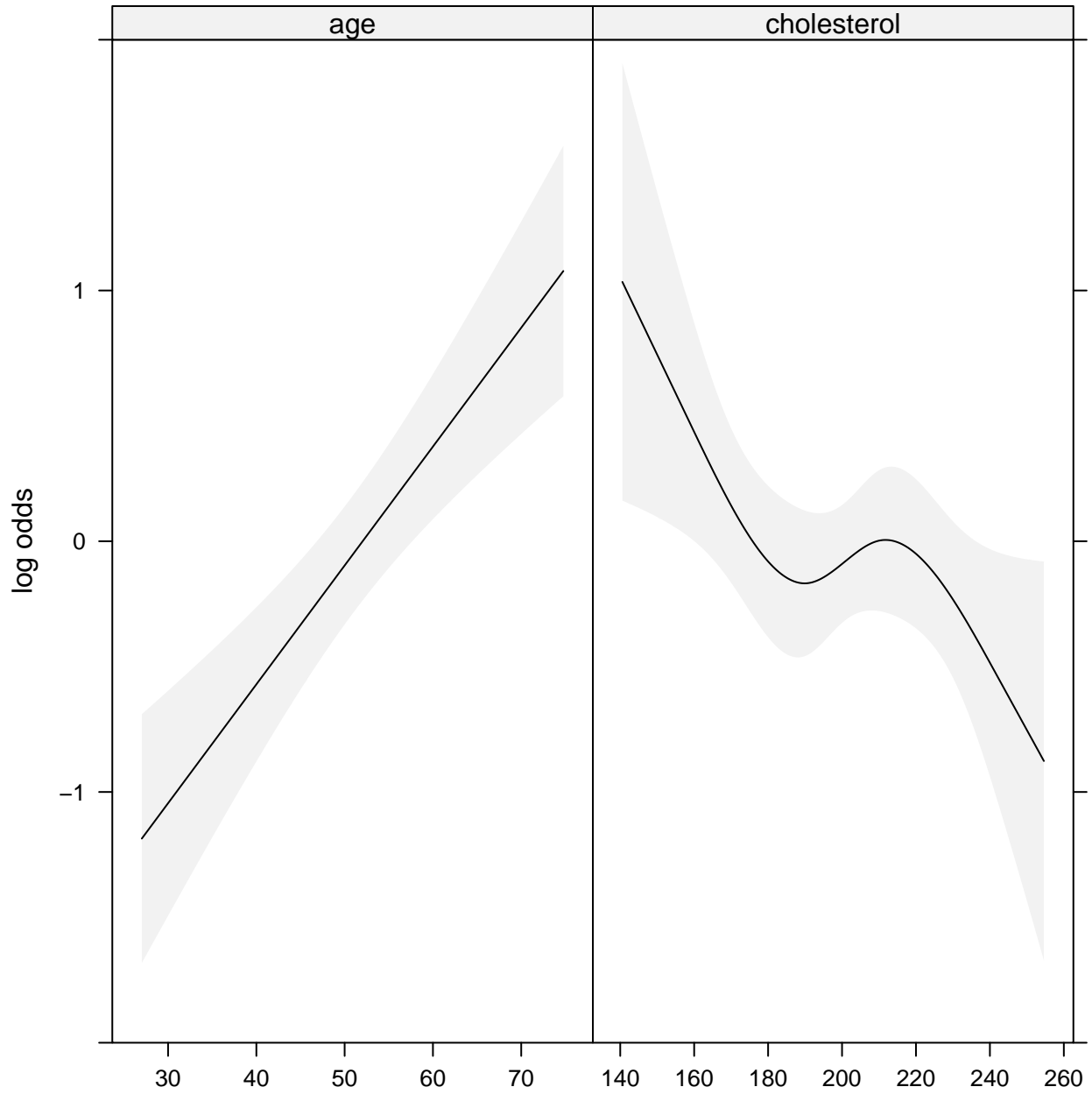


help("pentrace")

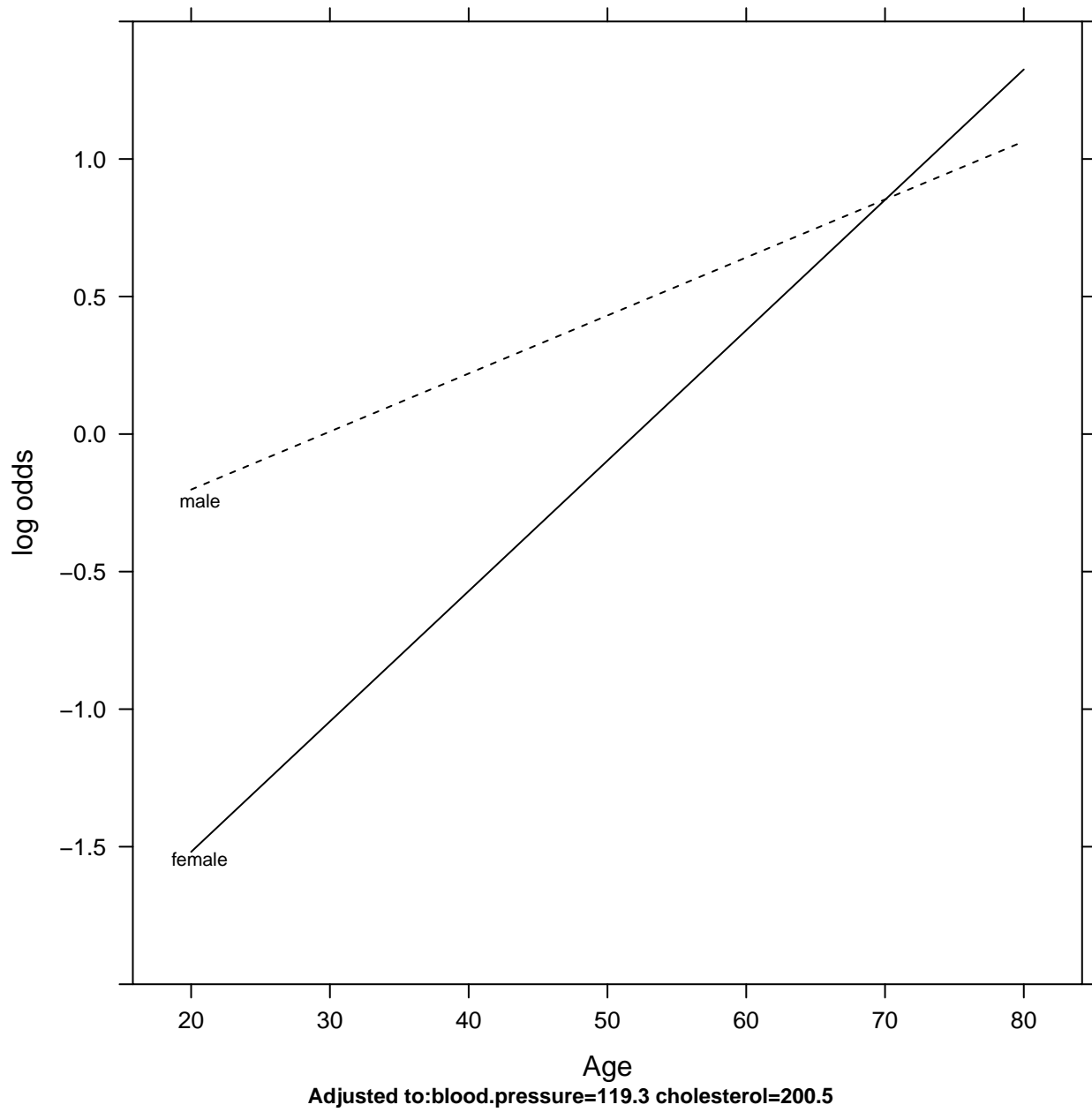
Solid: AIC_c



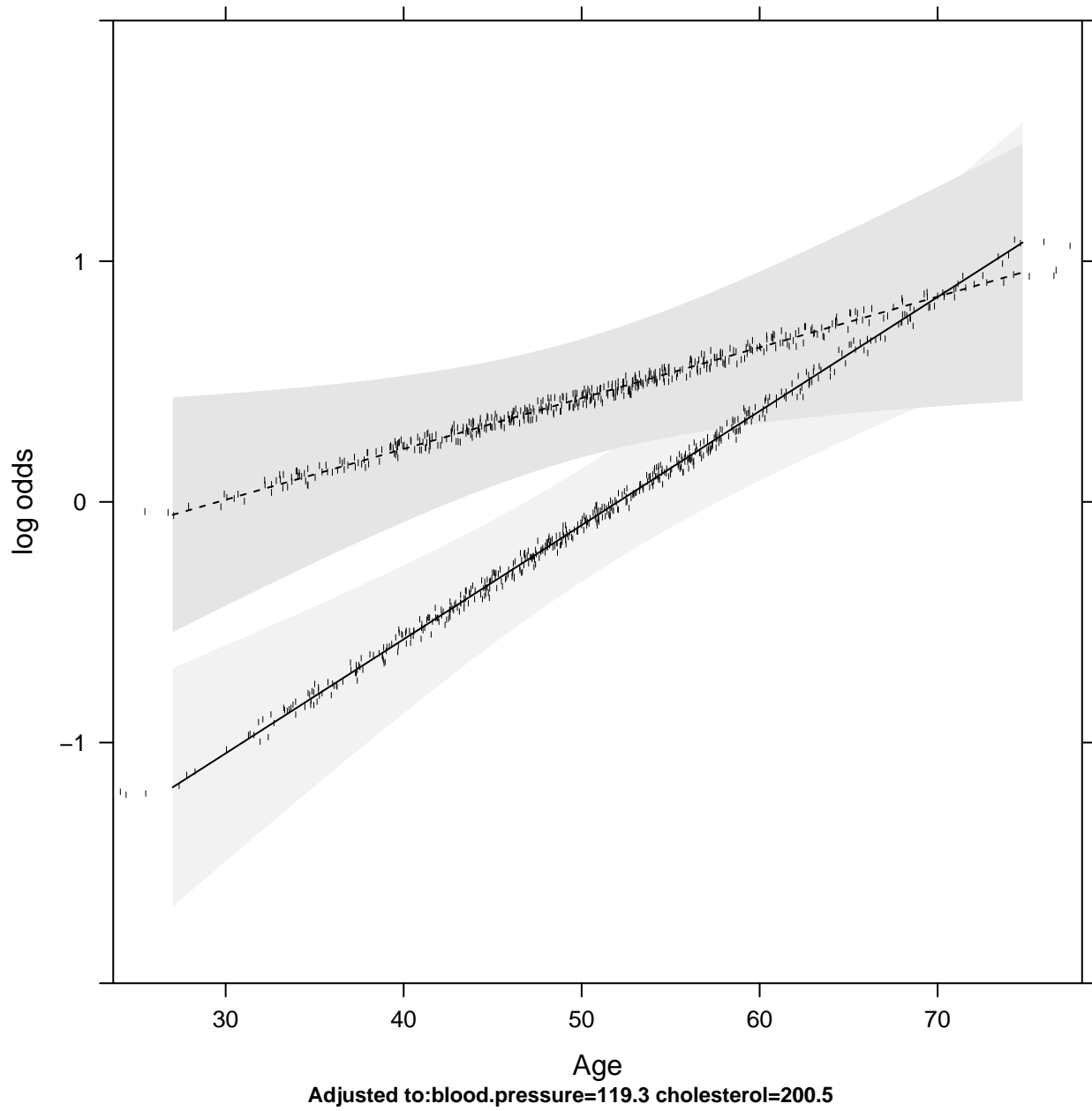




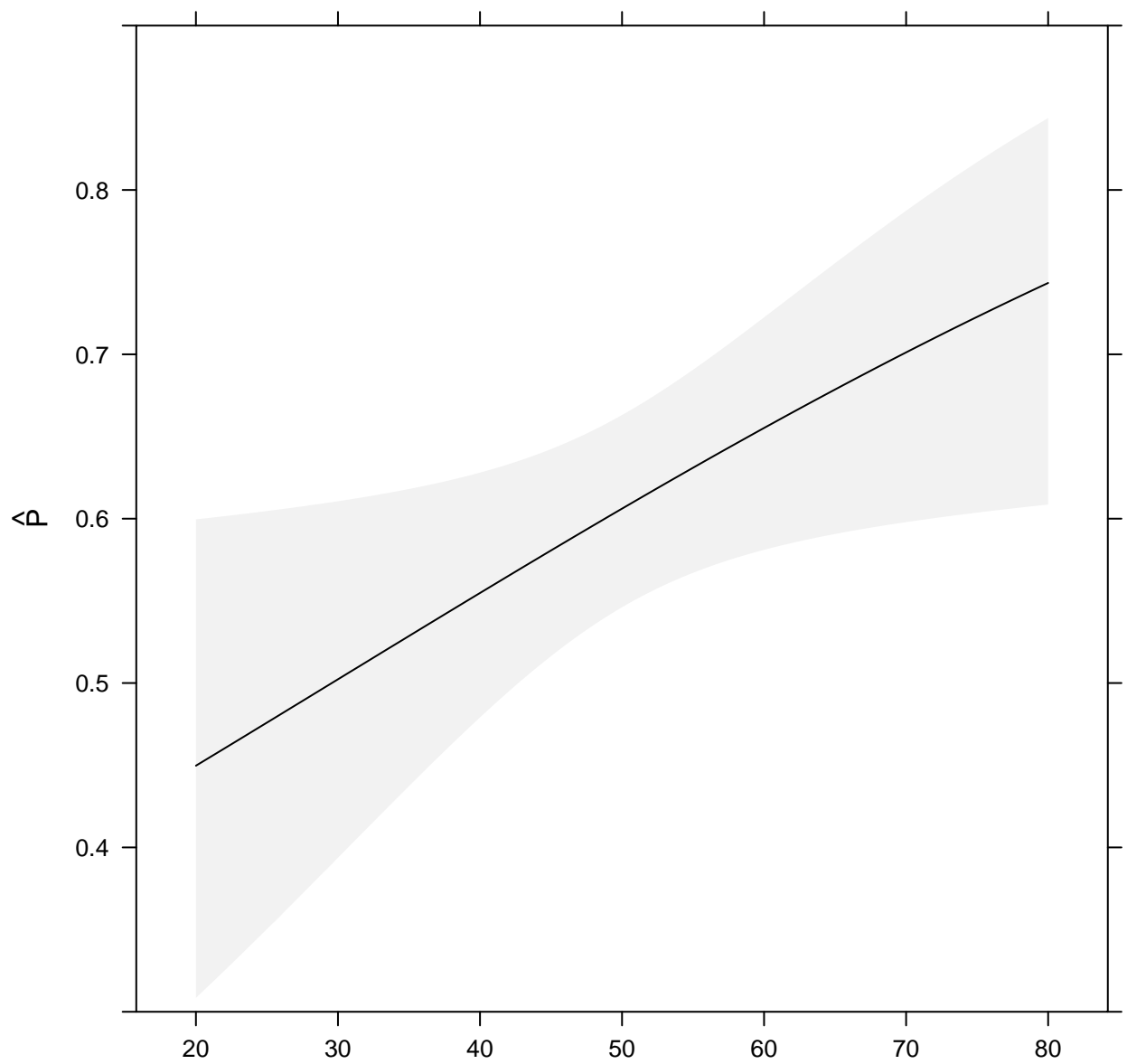
help("plot.Predict")



help("plot.Predict")

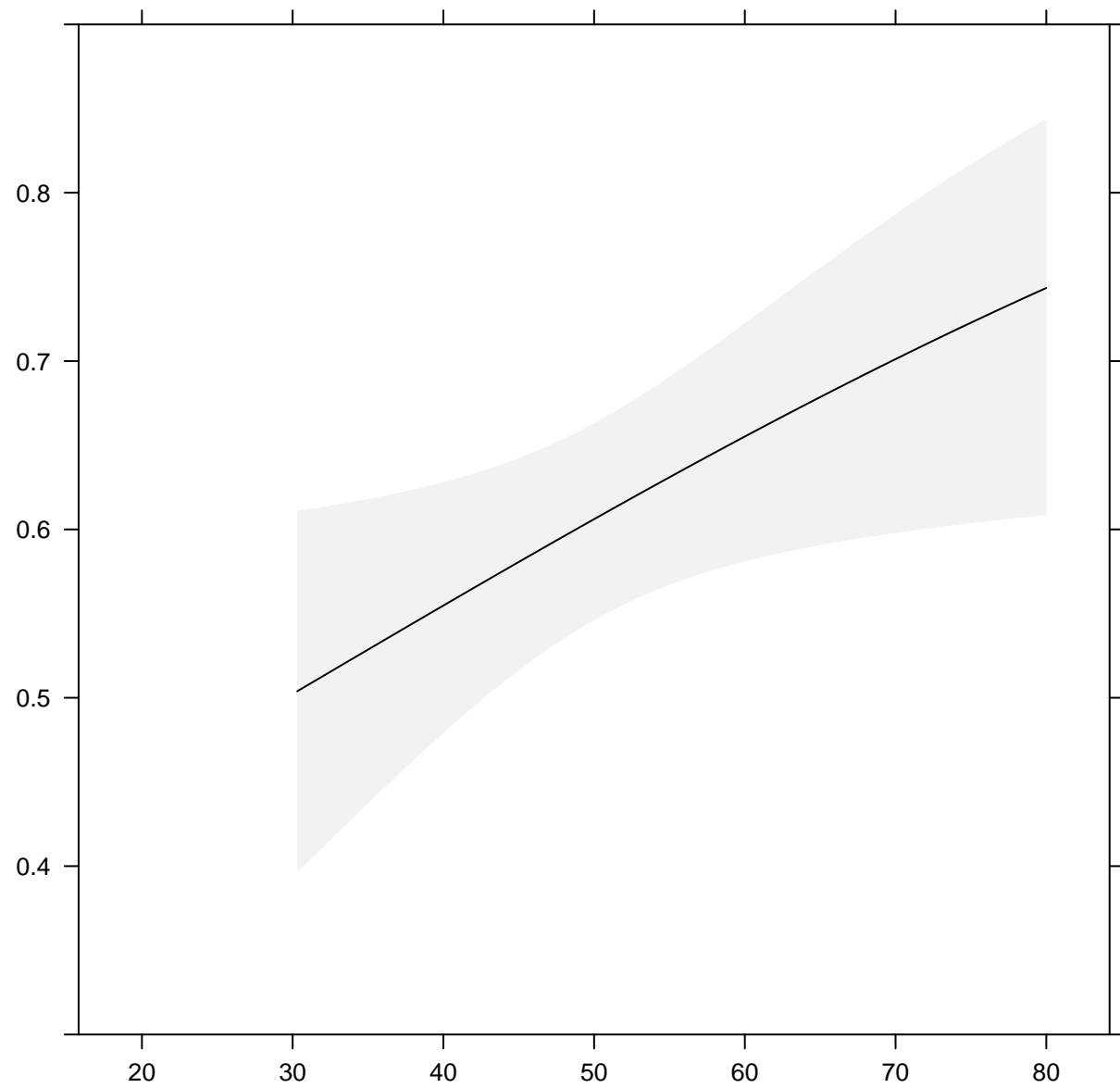


`help("plot.Predict")`



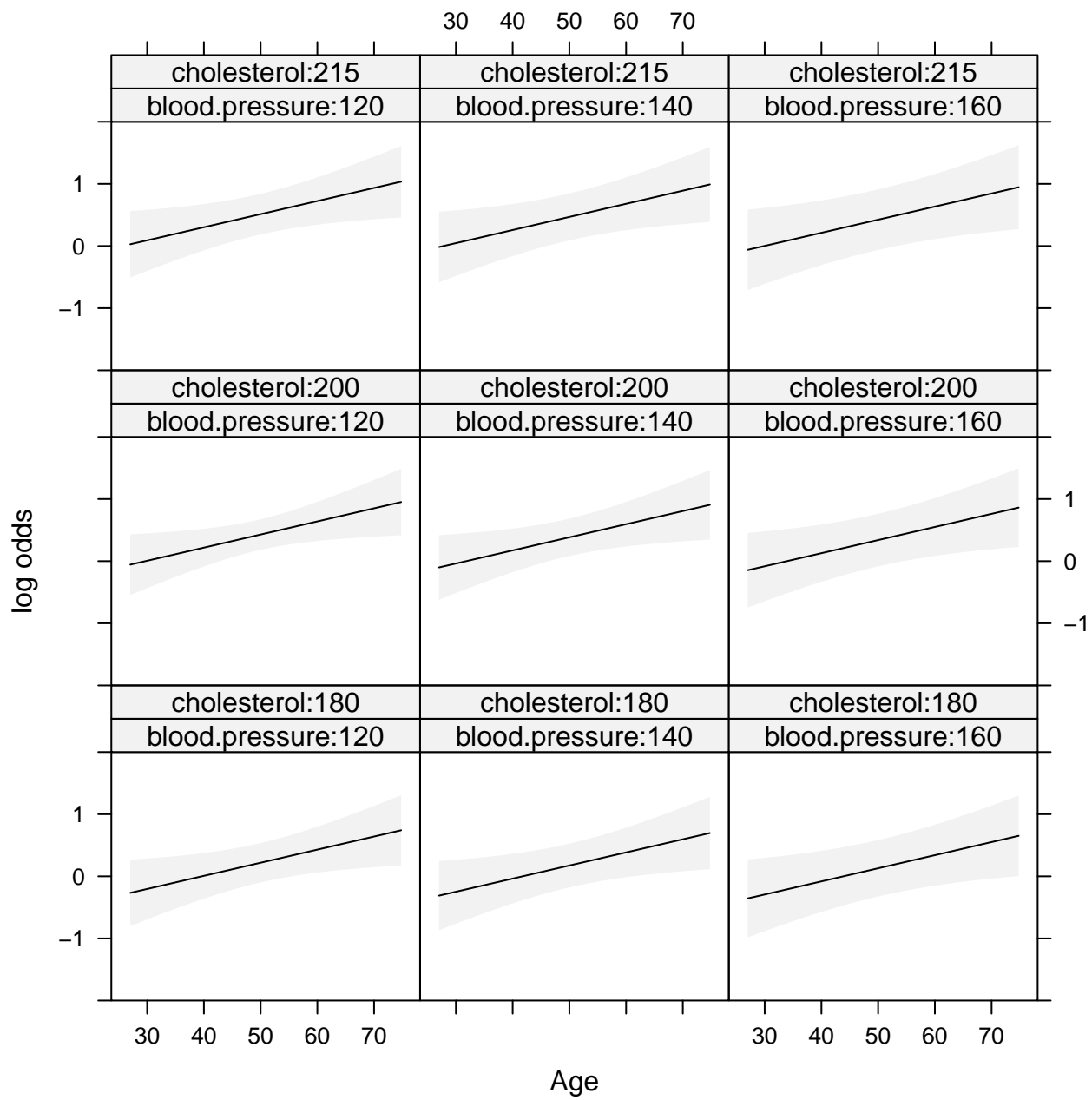
Adjusted to: blood.pressure=119.3 cholesterol=200.5

help("plot.Predict")

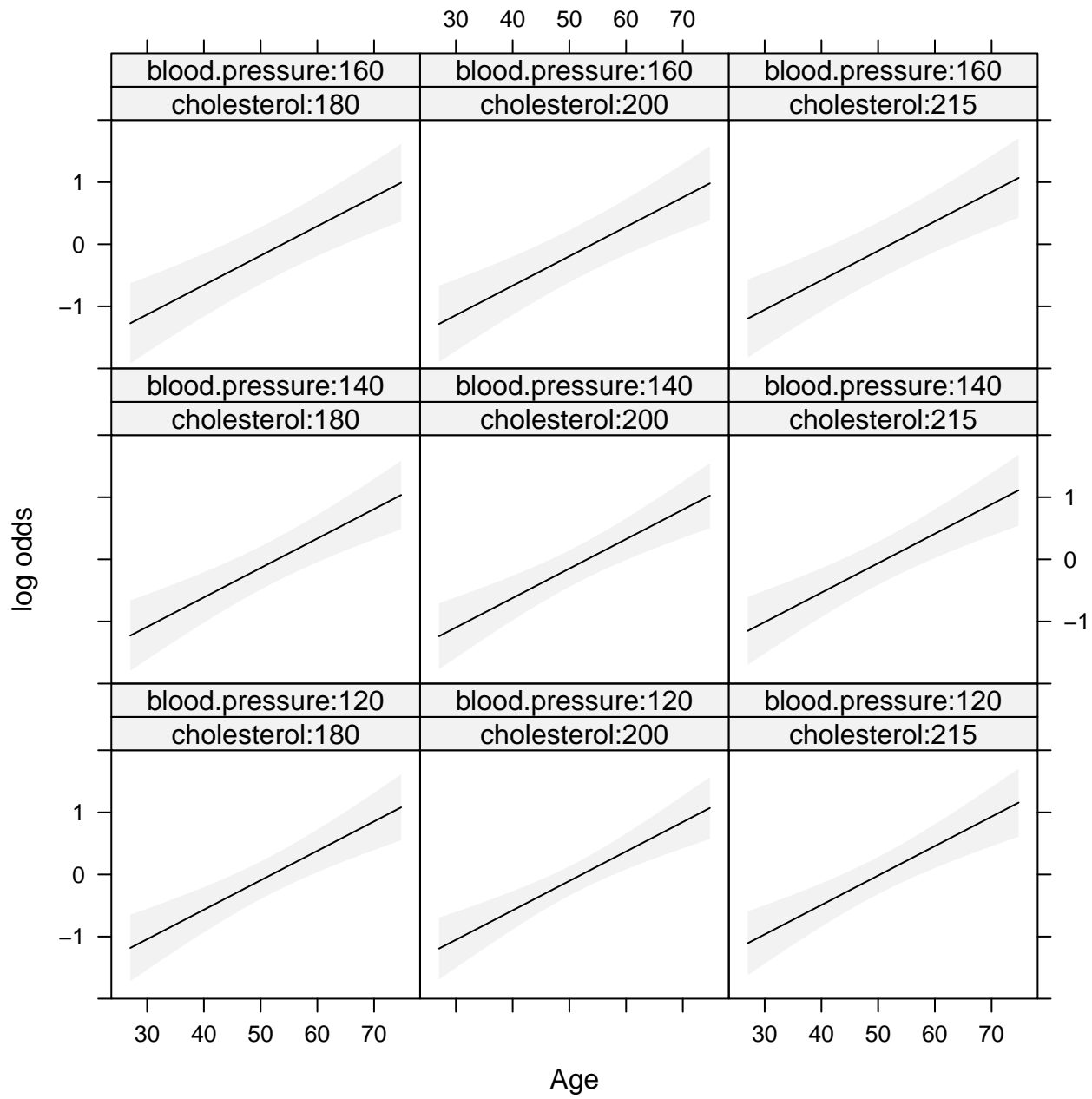


Adjusted to: blood.pressure=119.3 cholesterol=200.5

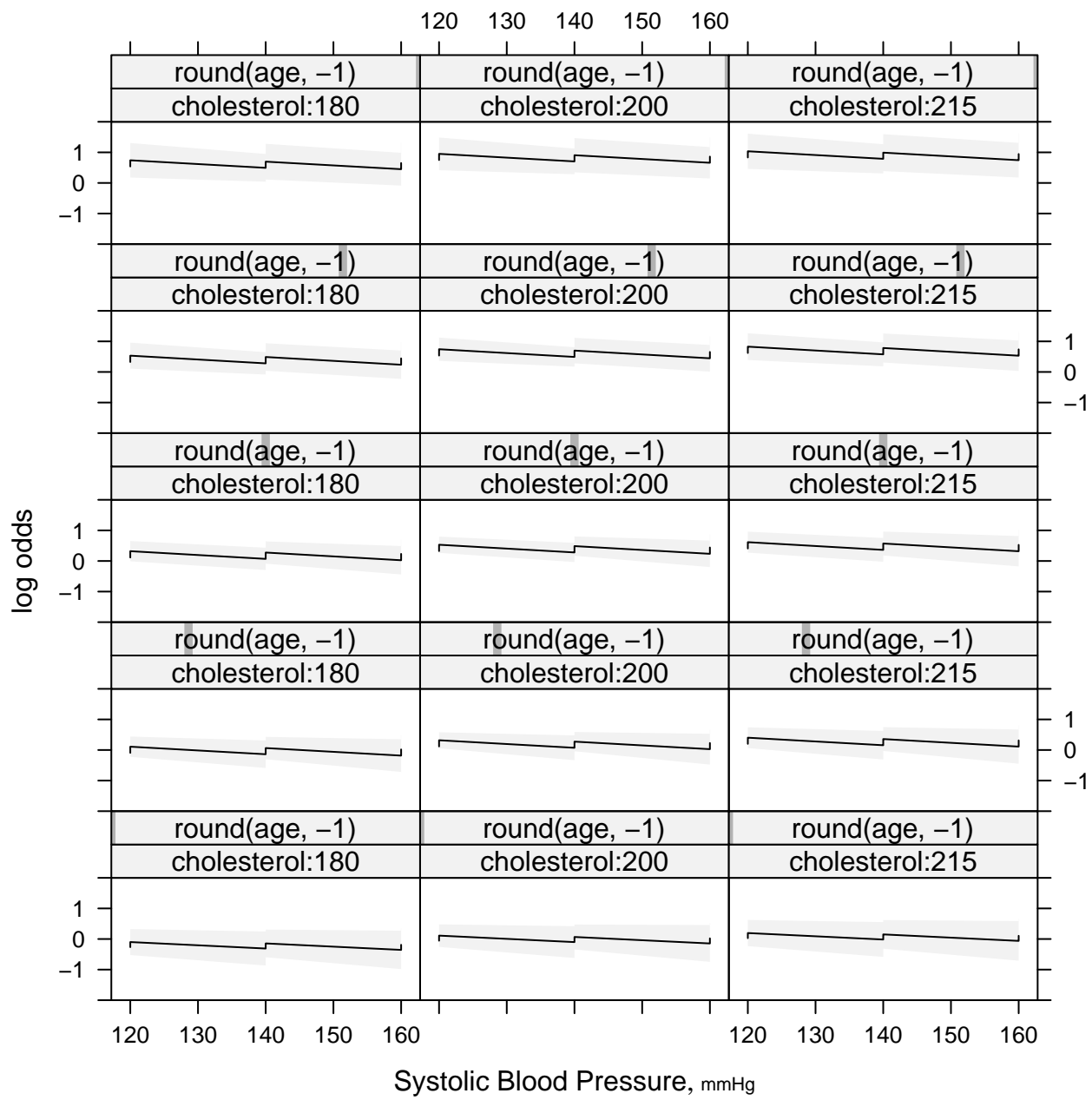
help("plot.Predict")



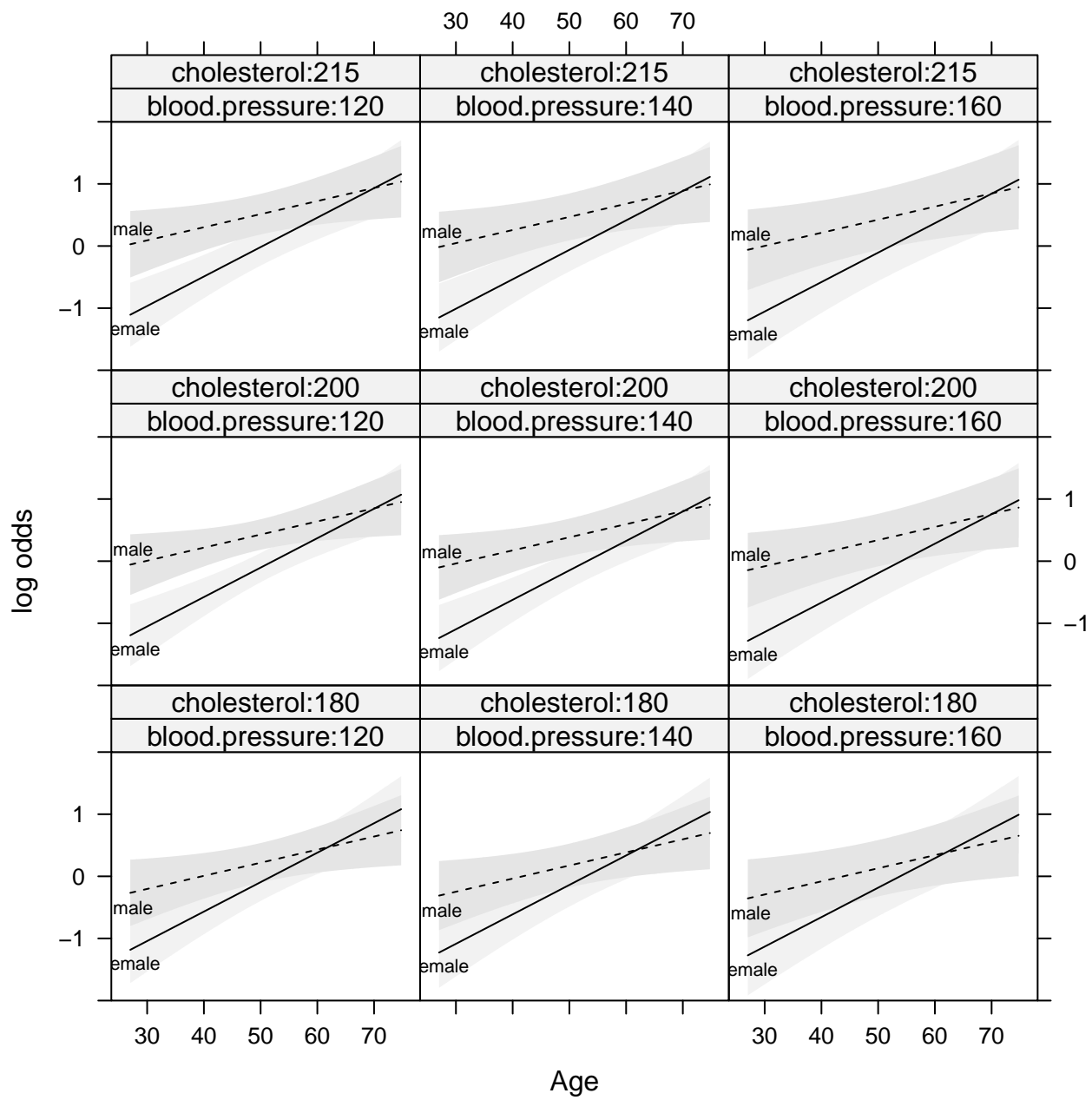
help("plot.Predict")



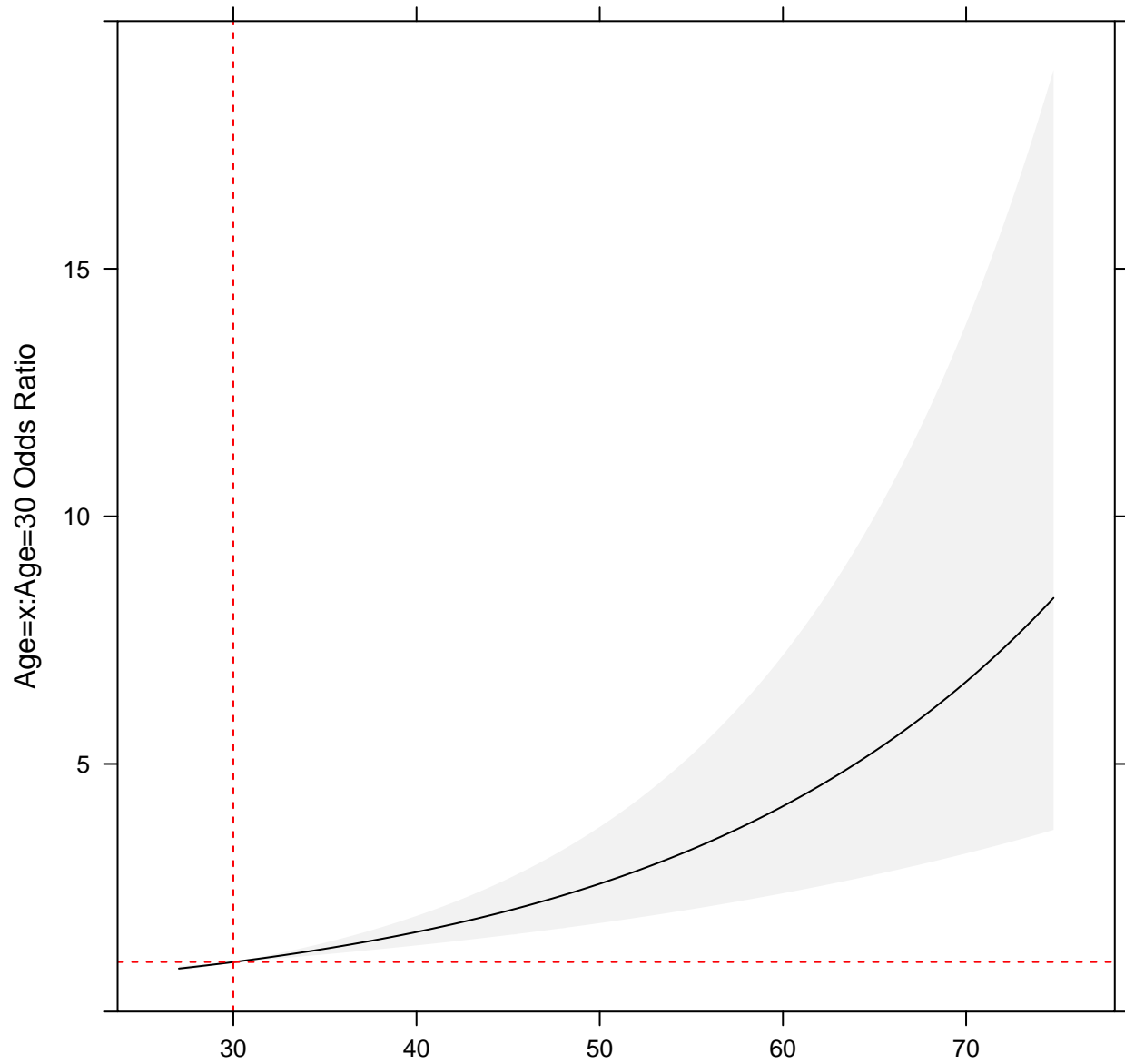
`help("plot.Predict")`



help("plot.Predict")

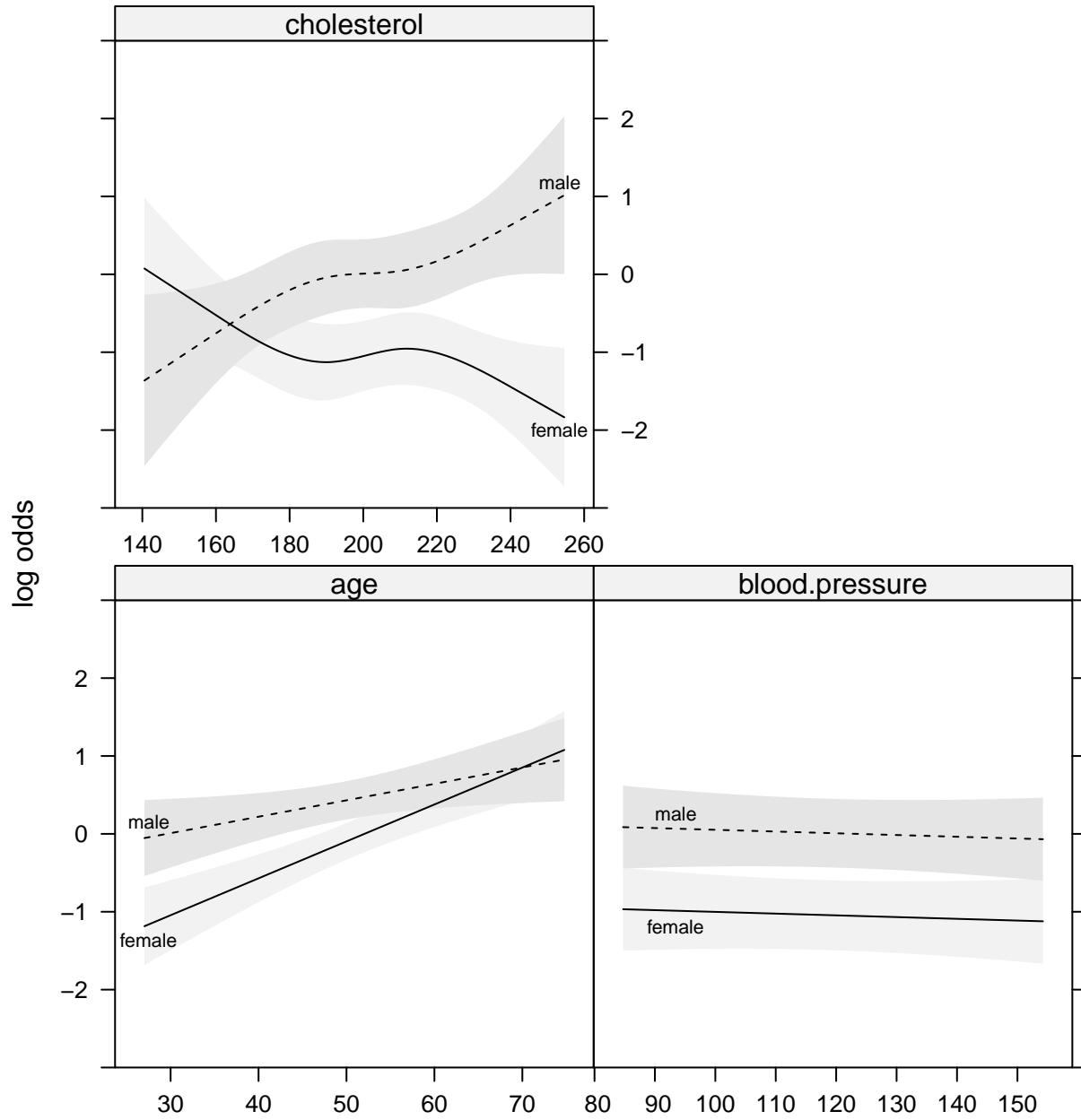


help("plot.Predict")

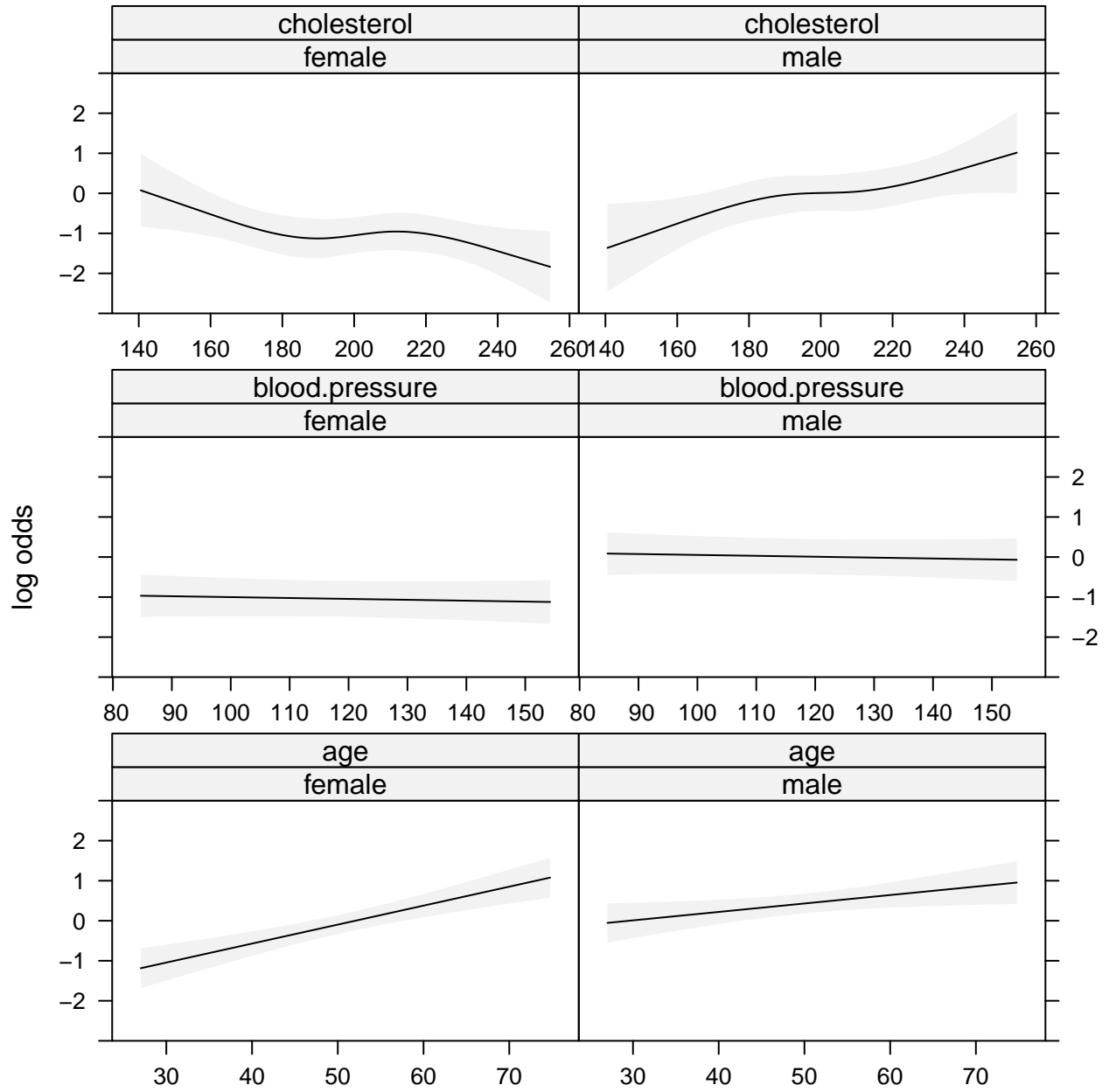


Adjusted to: blood.pressure=119.3 sex=female cholesterol=200.5

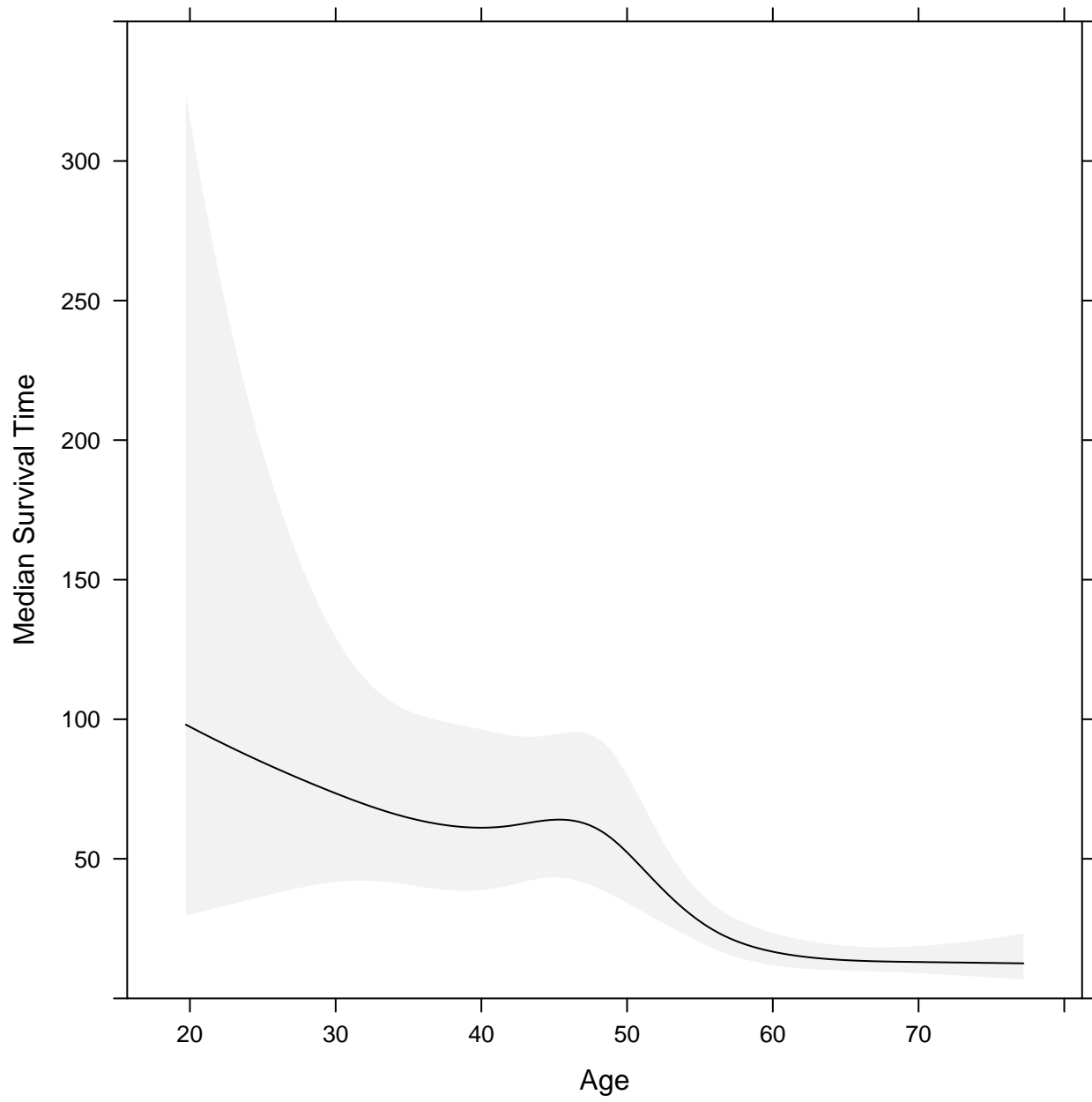
`help("plot.Predict")`



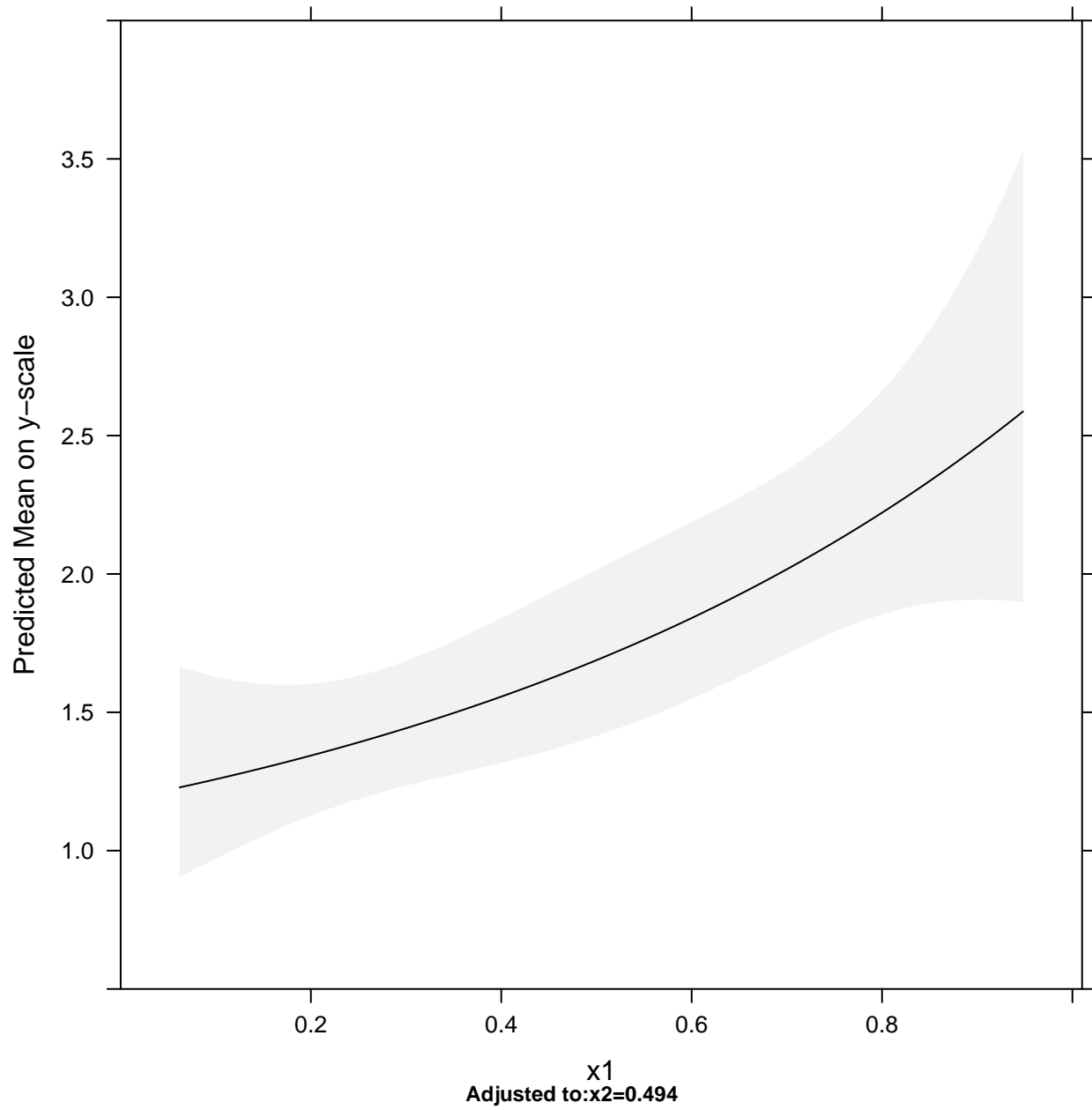
`help("plot.Predict")`



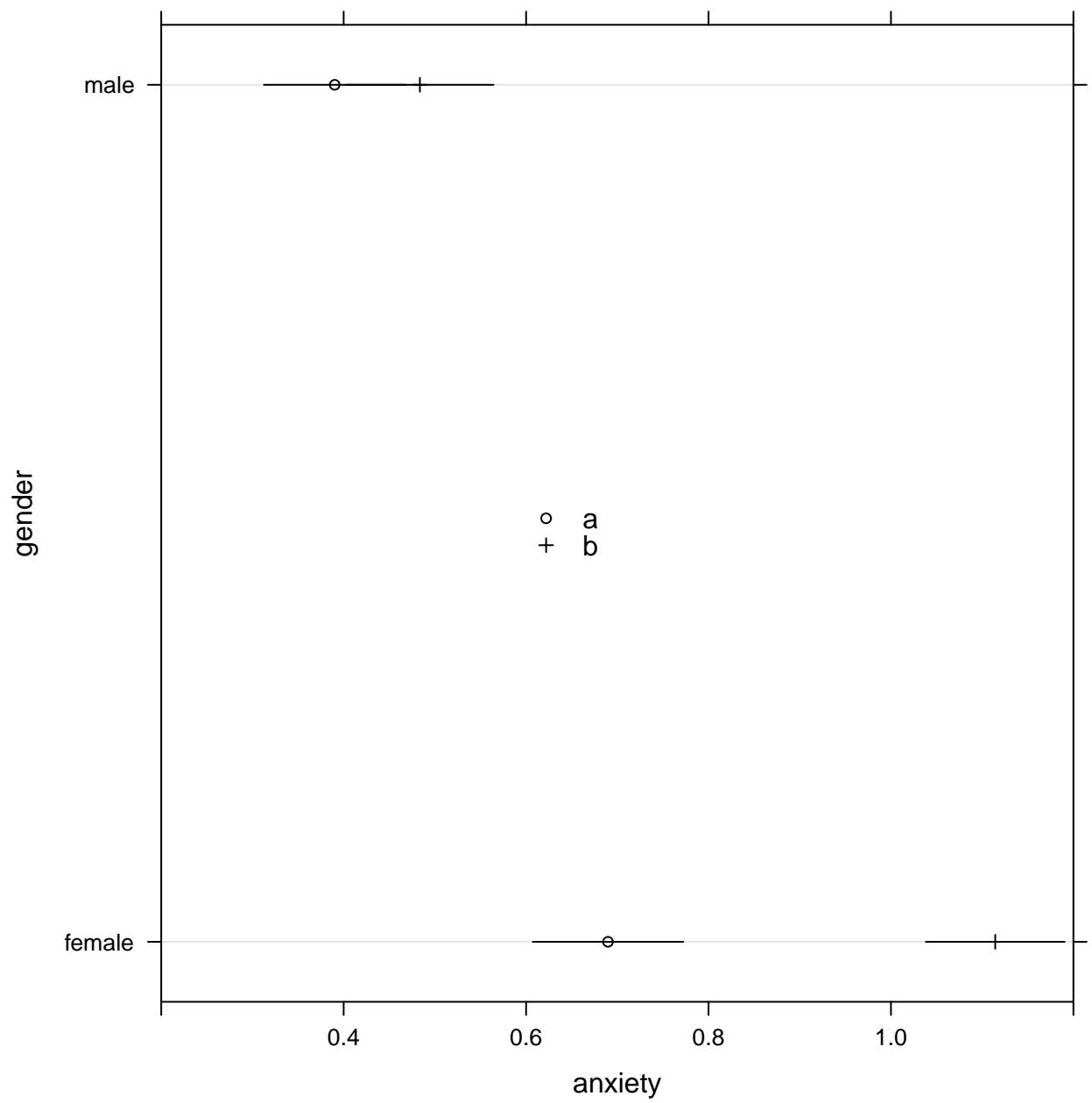
help("plot.Predict")



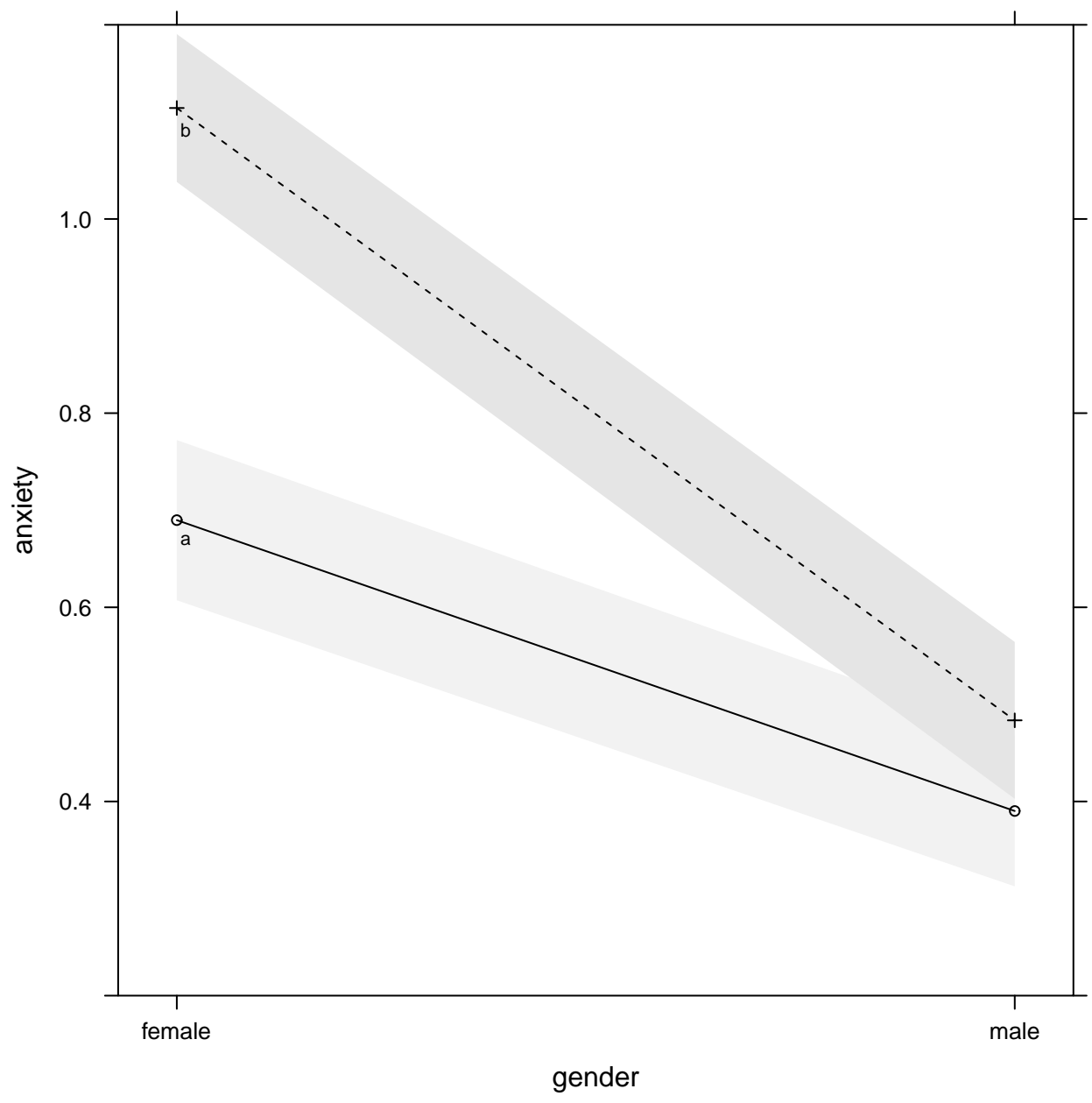
`help("plot.Predict")`



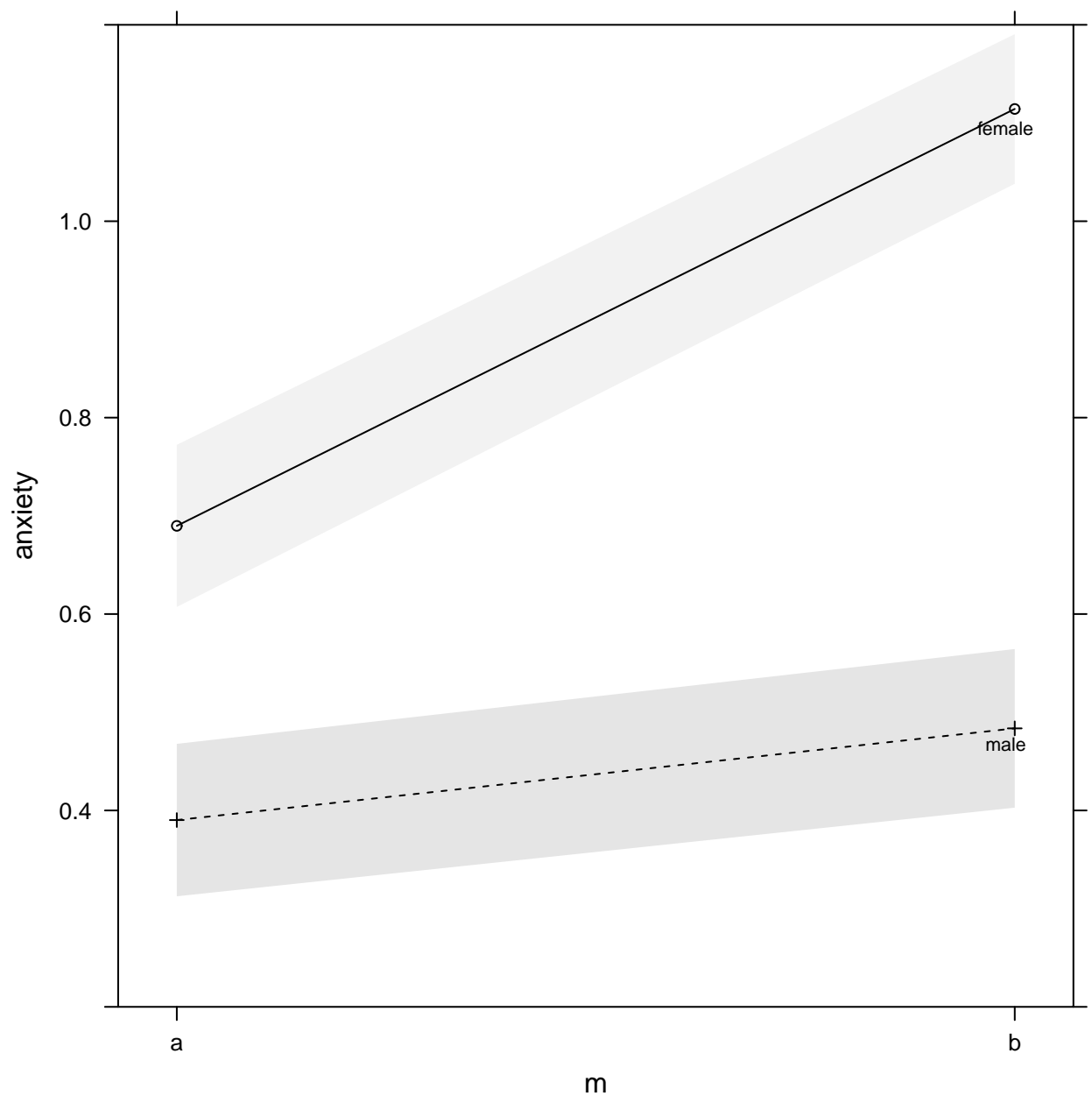
help("plot.Predict")



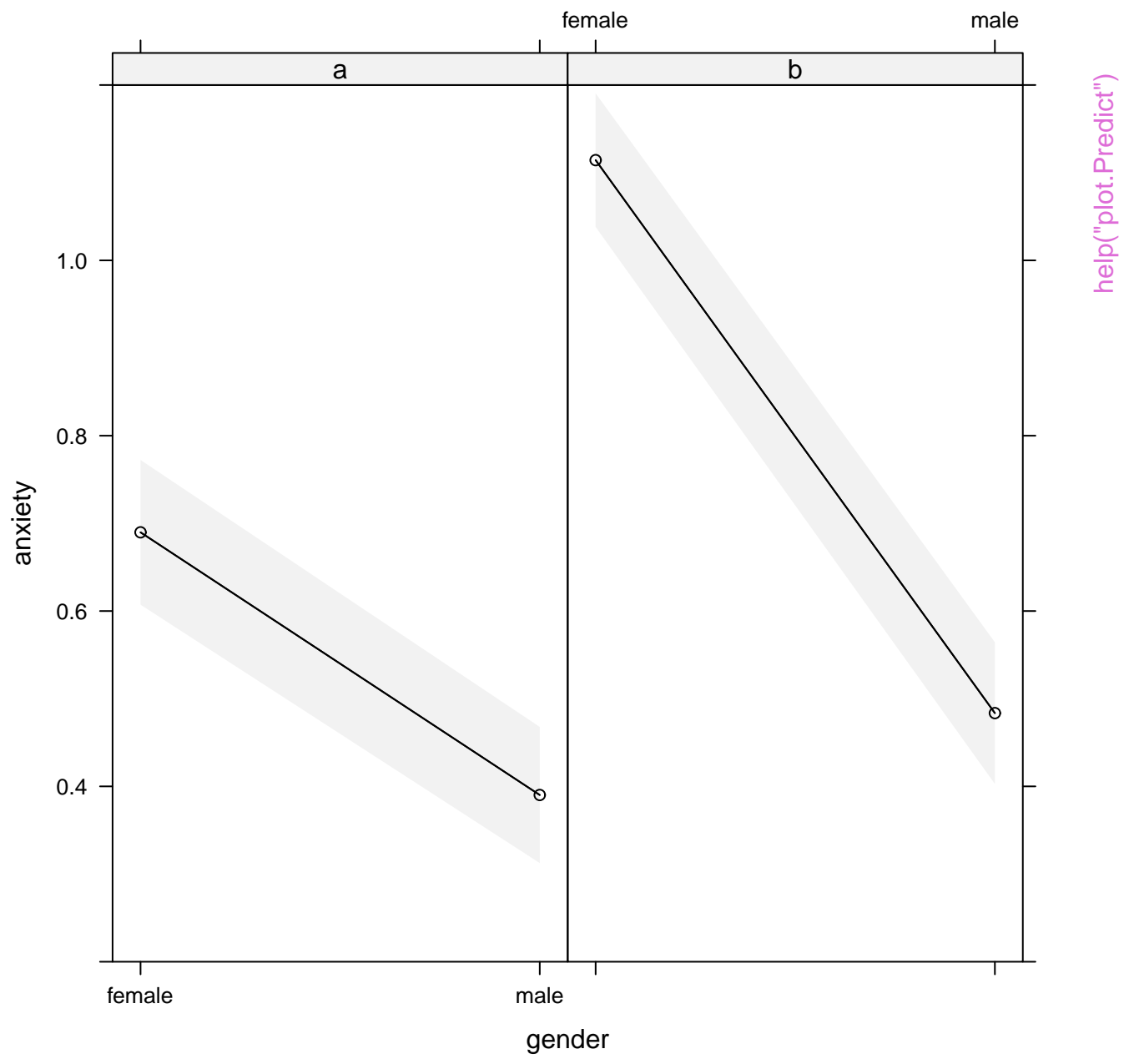
help("plot.Predict")



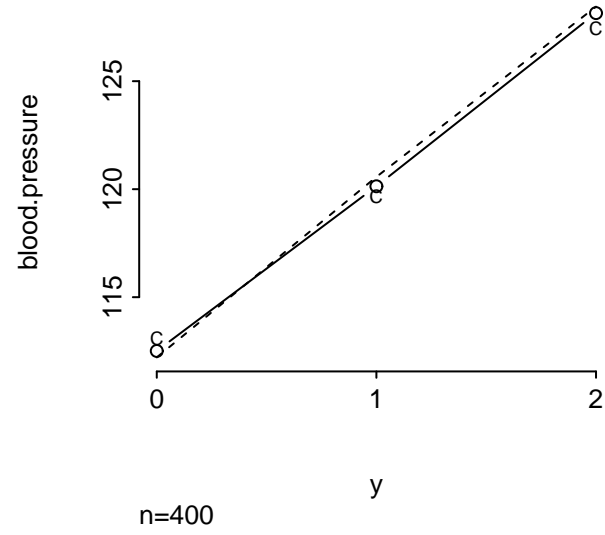
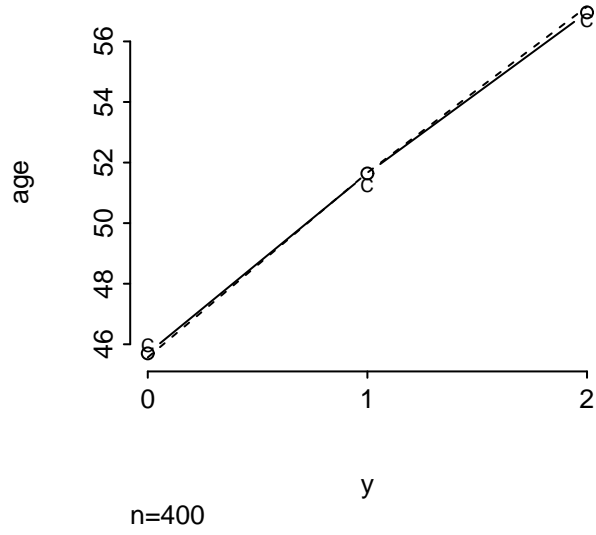
help("plot.Predict")



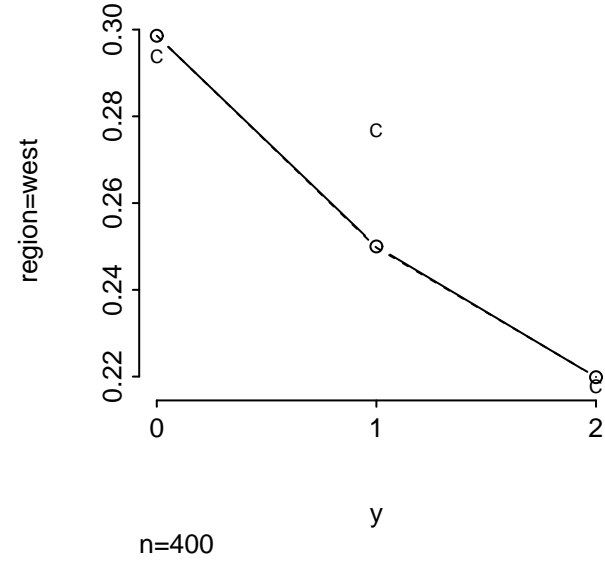
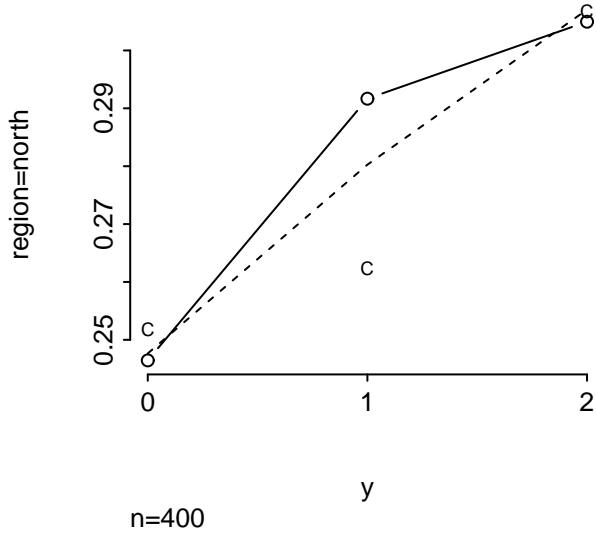
help("plot.Predict")

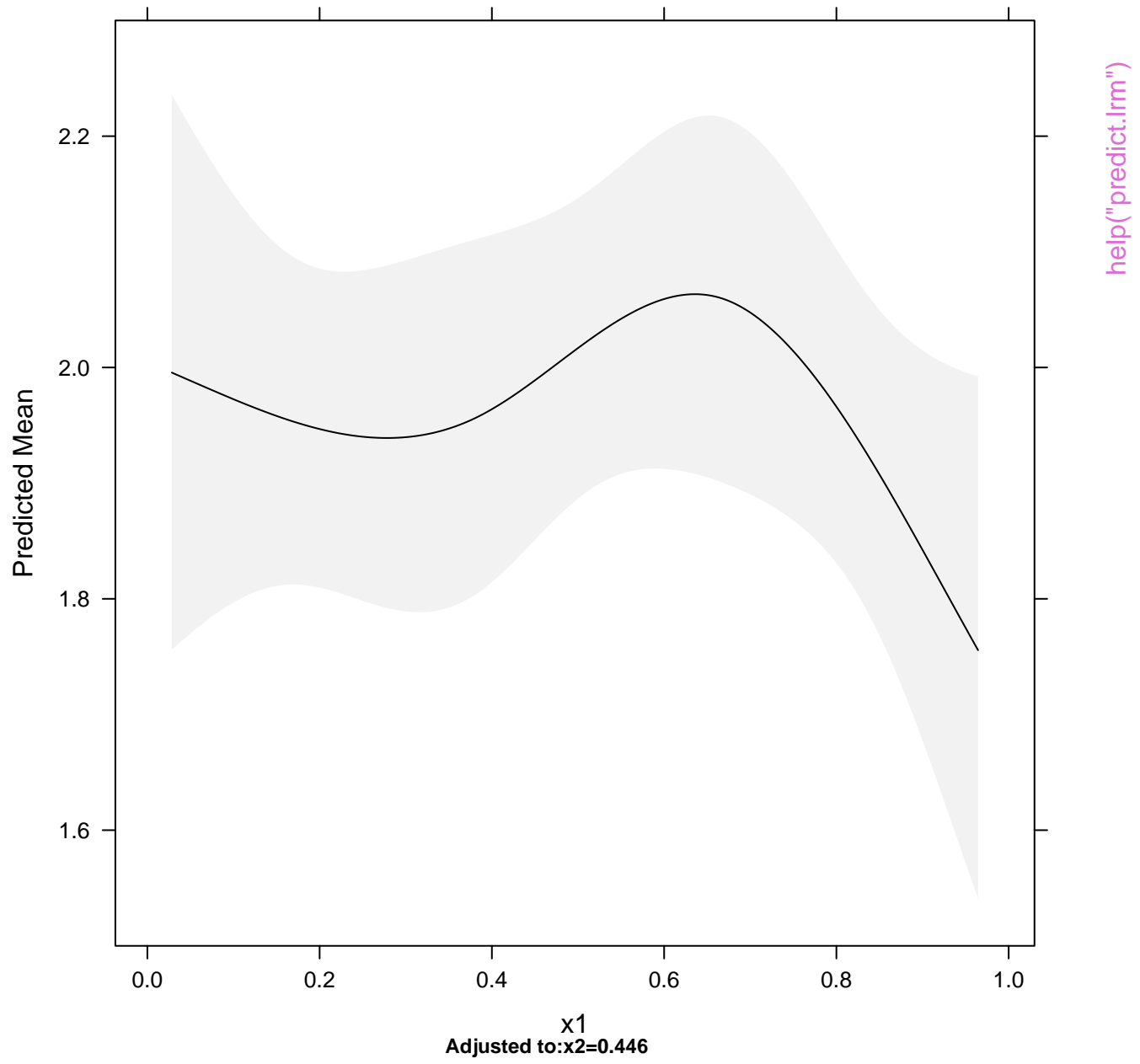


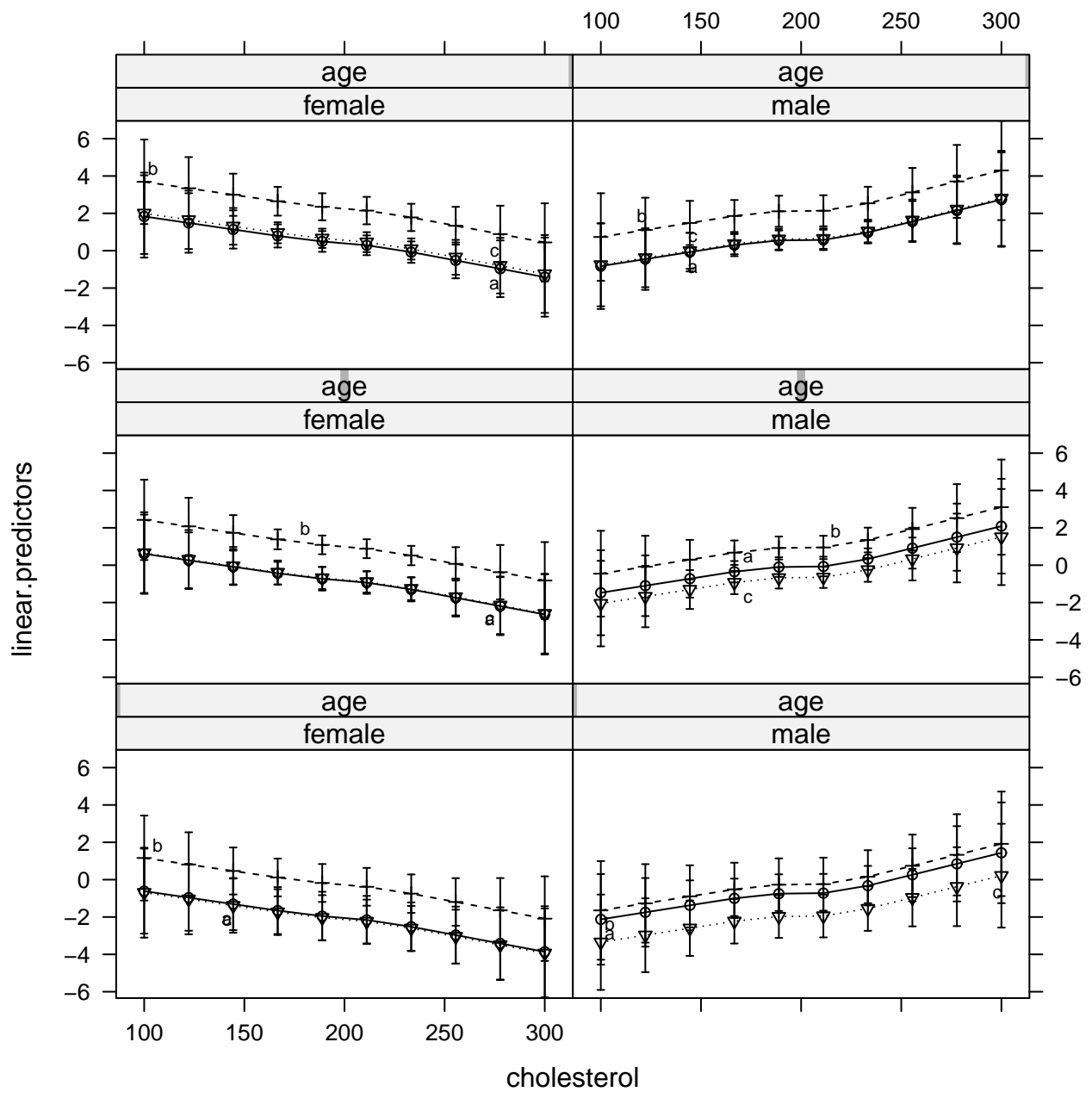
help("plot.Predict")



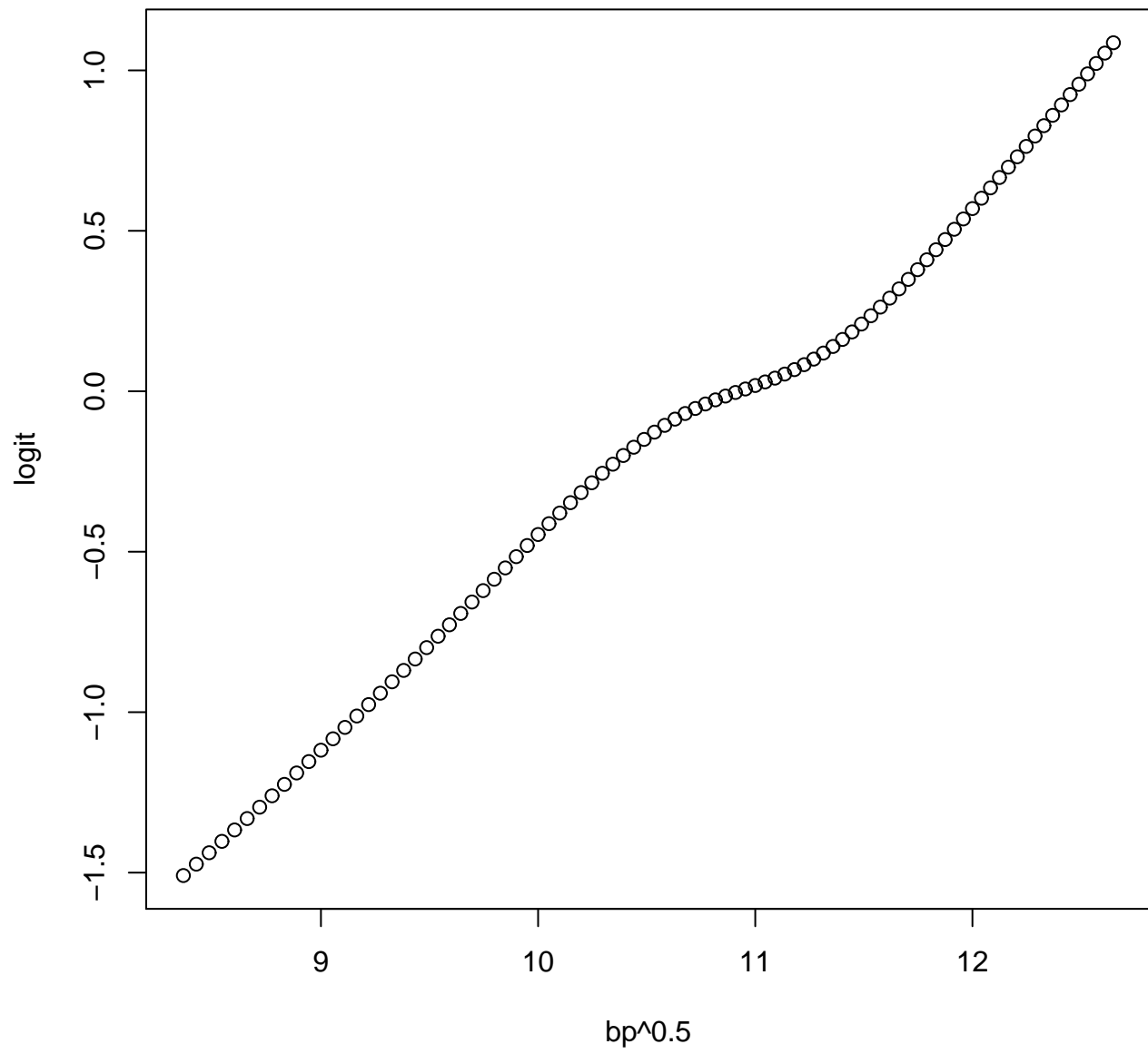
[help\("plot.xmean.ordinary"\)](#)



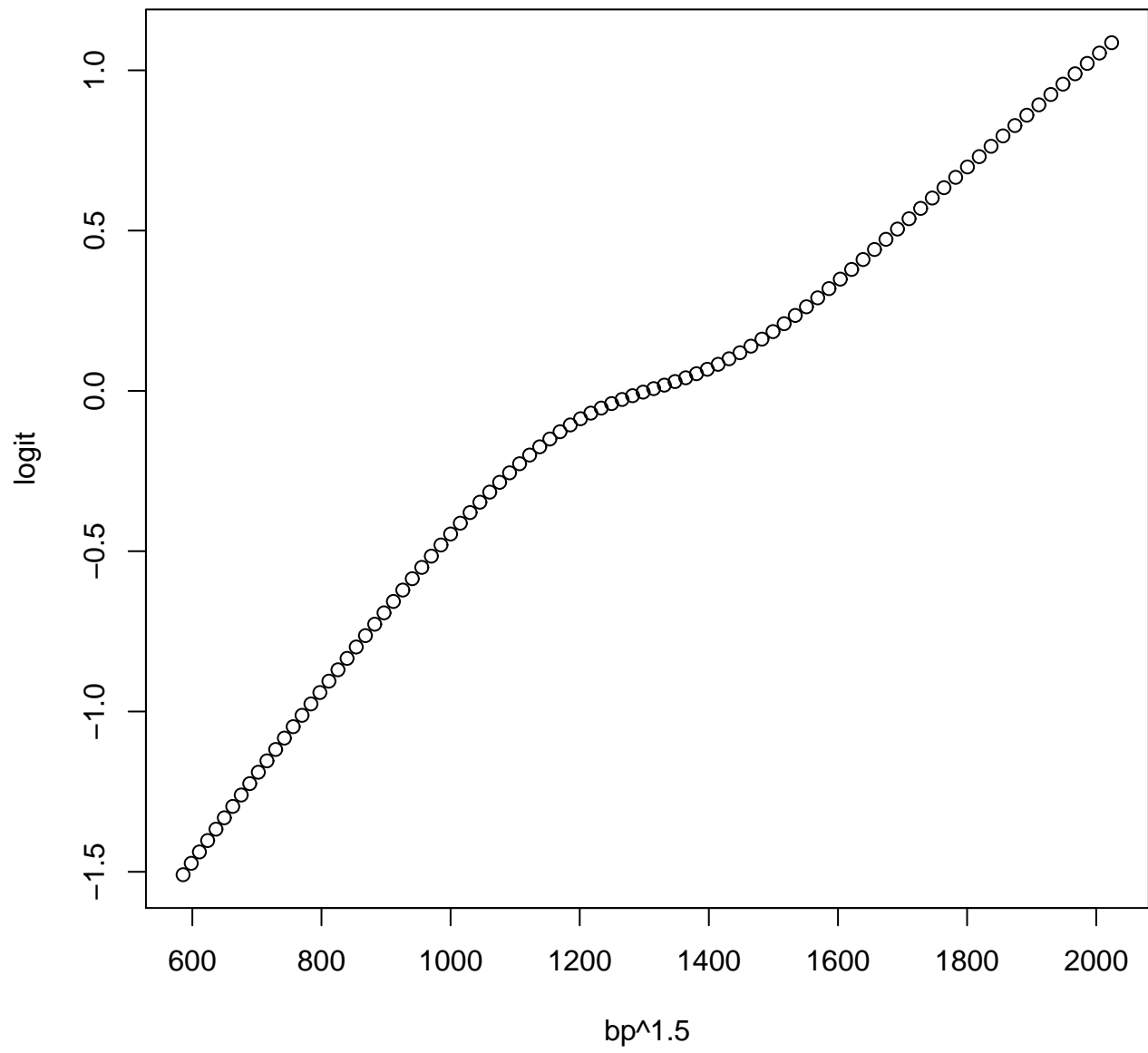




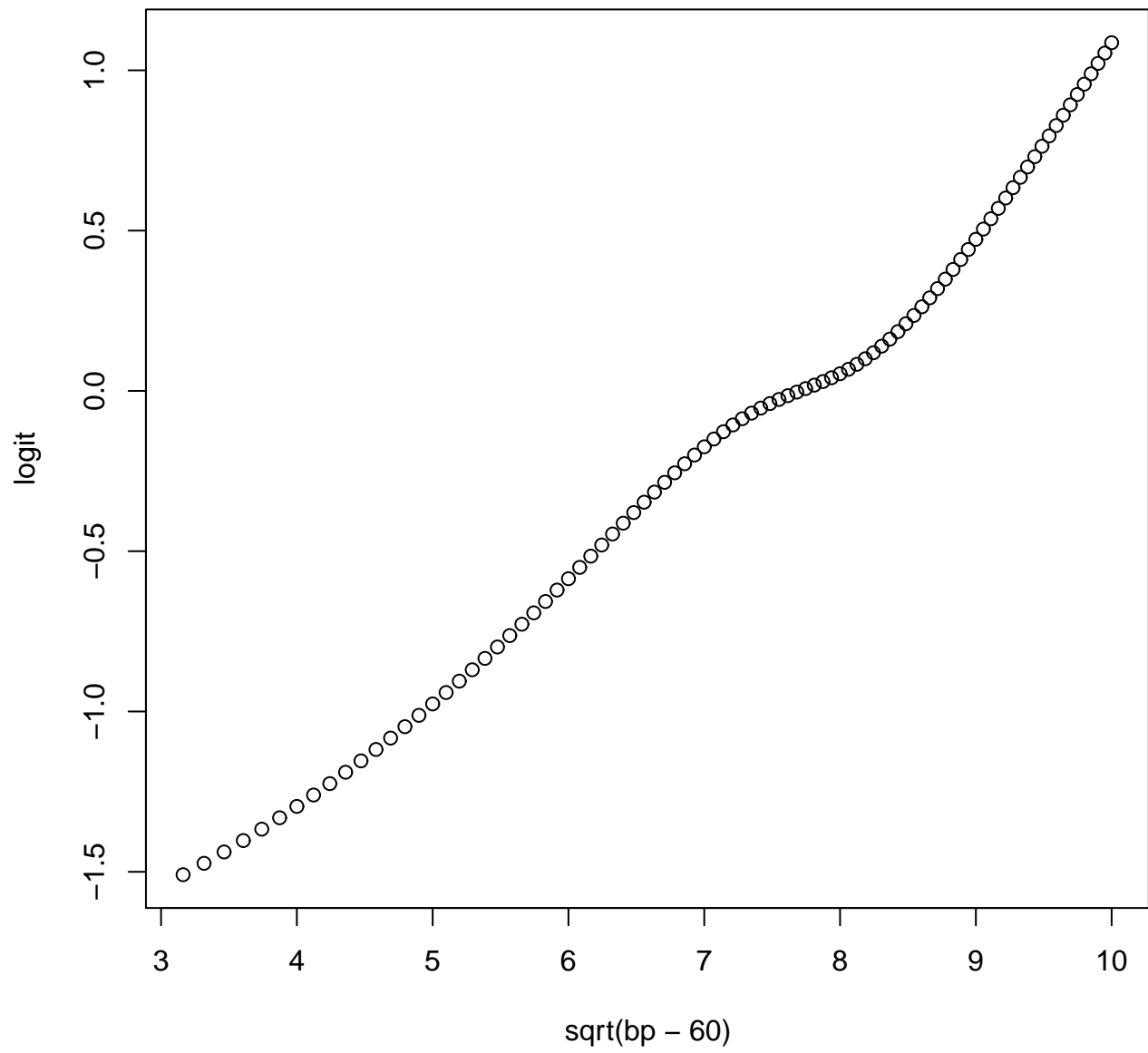
help("predictrms")



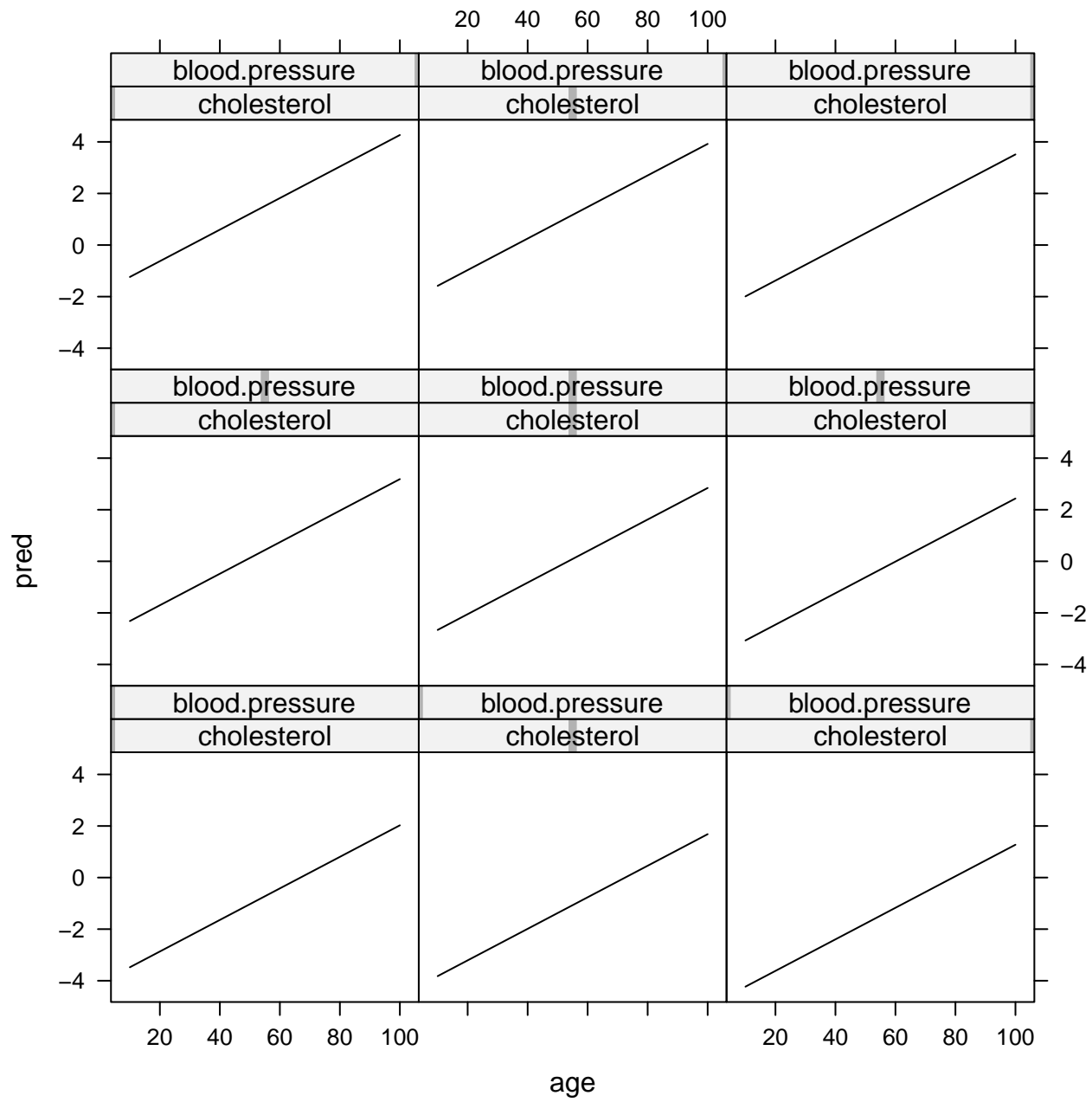
`help("predictrms")`



`help("predictrms")`

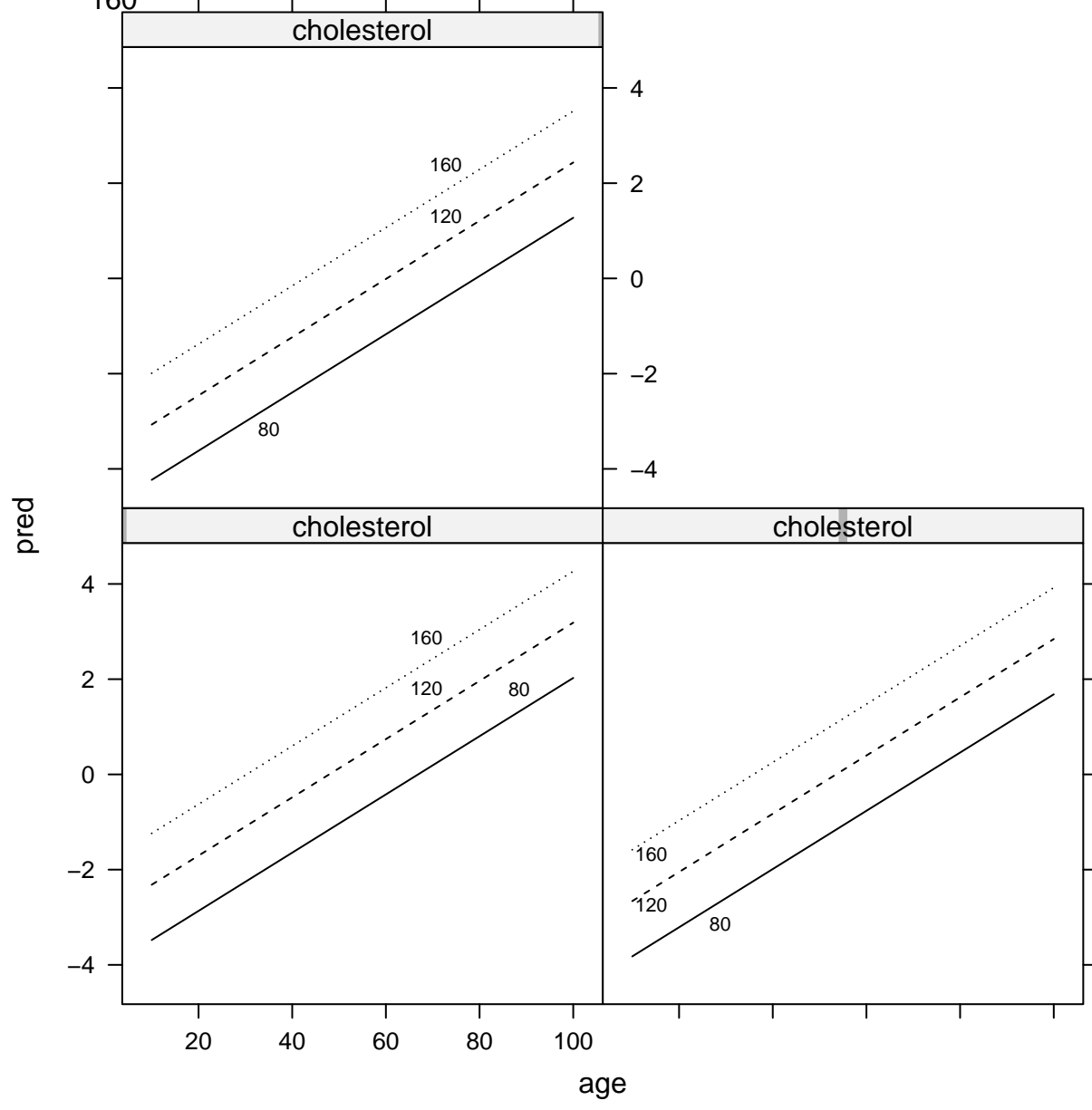


`help("predictrms")`



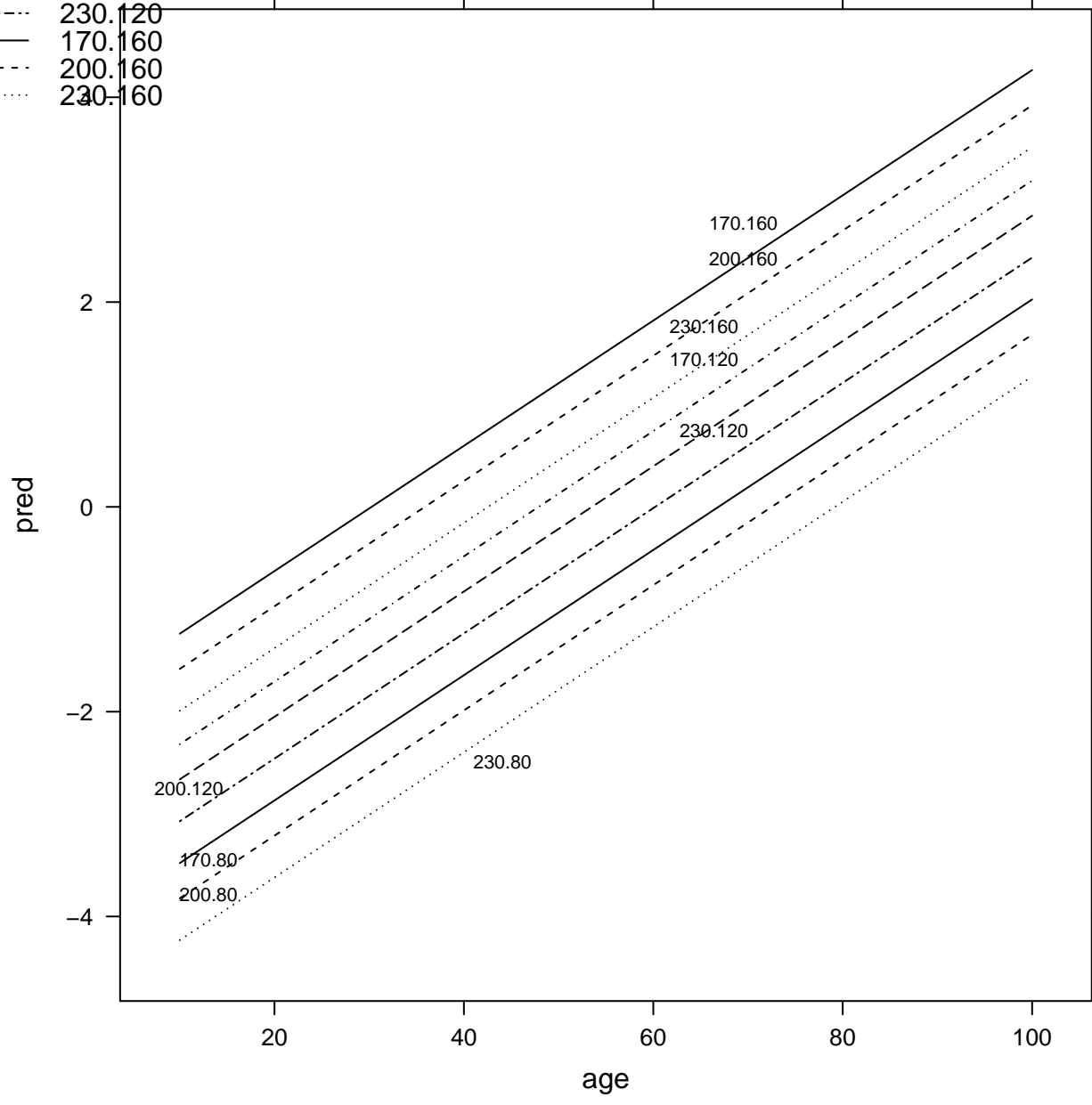
help("predictrms")

— 80
- - - 120
... 160



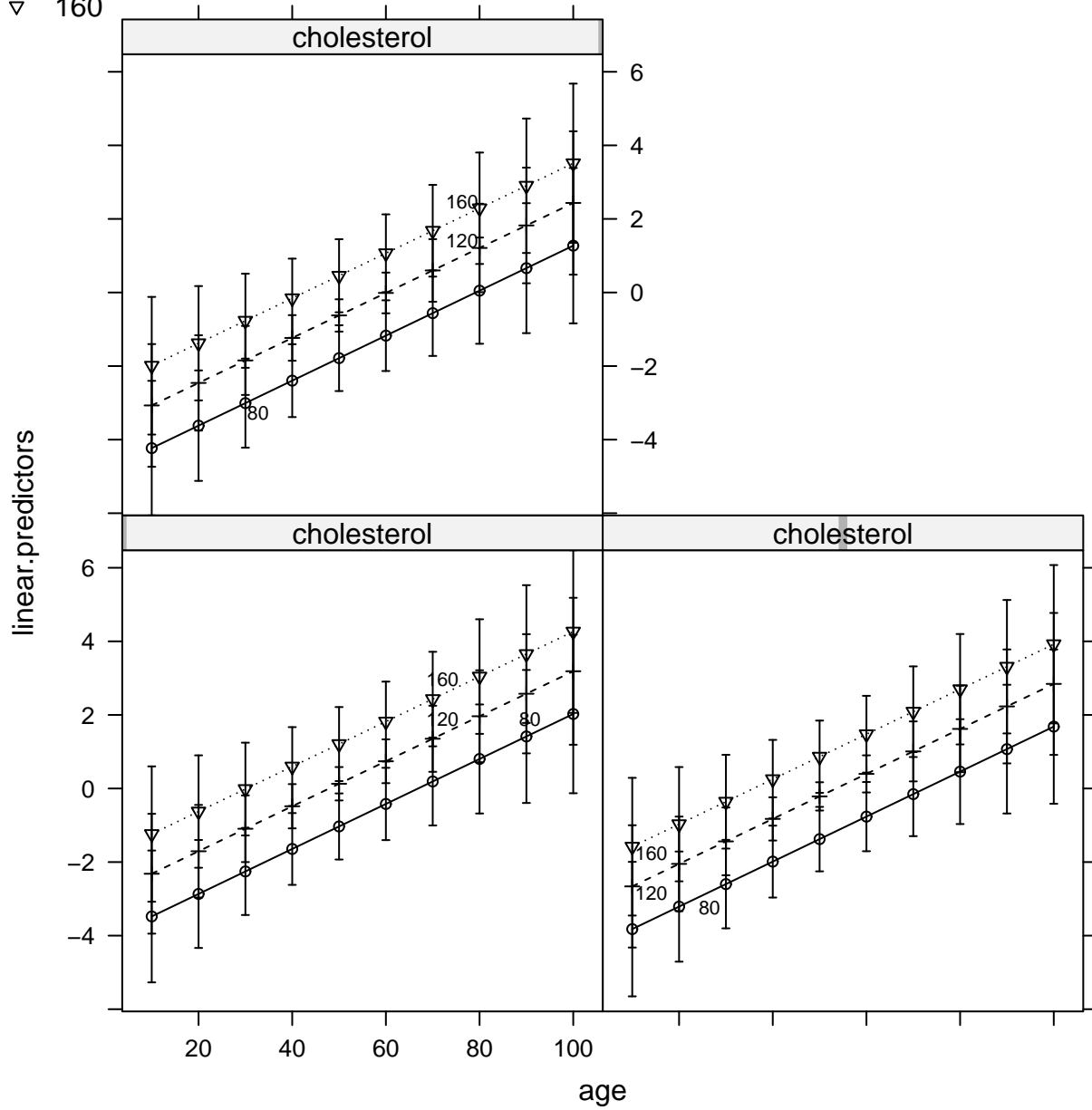
help("predictrms")

..... 230.80
..... 170.120
- - - 200.120
- . . 230.120
- - - 170.160
- . . 200.160
..... 230.160

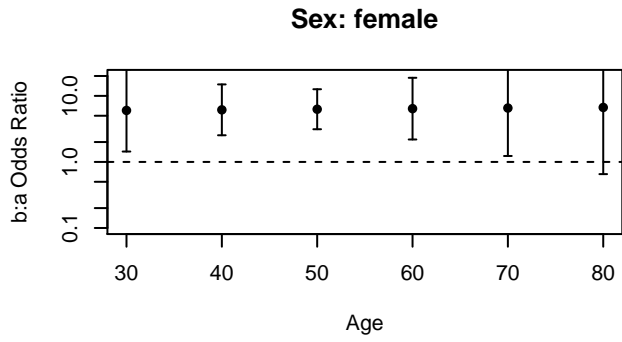


help("predictrms")

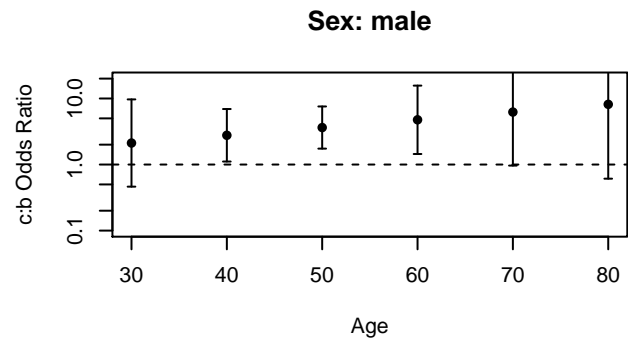
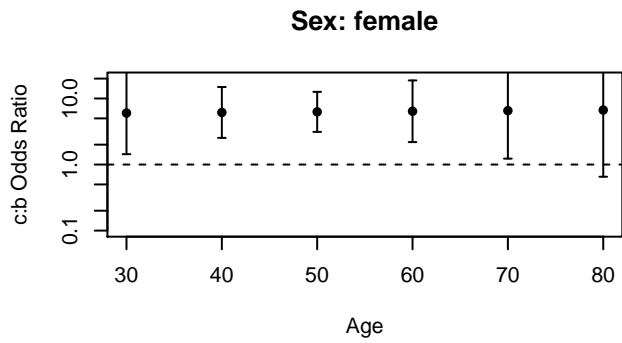
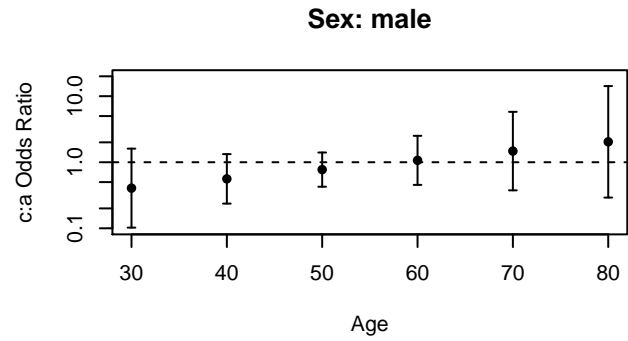
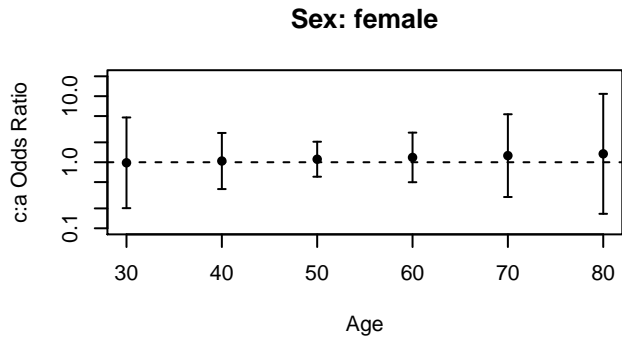
○ 80
+ 120
▽ 160

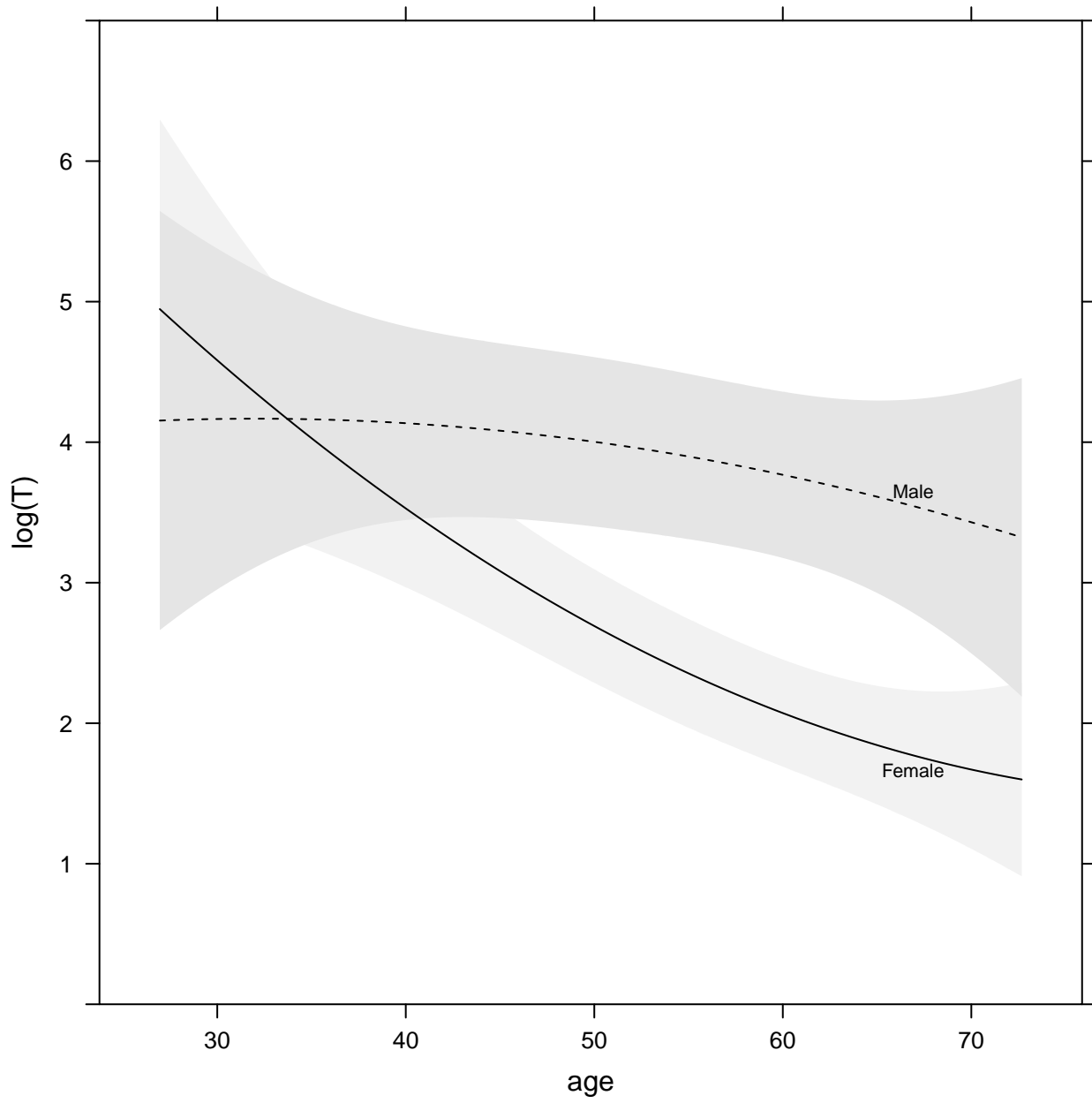


help("predictrms")

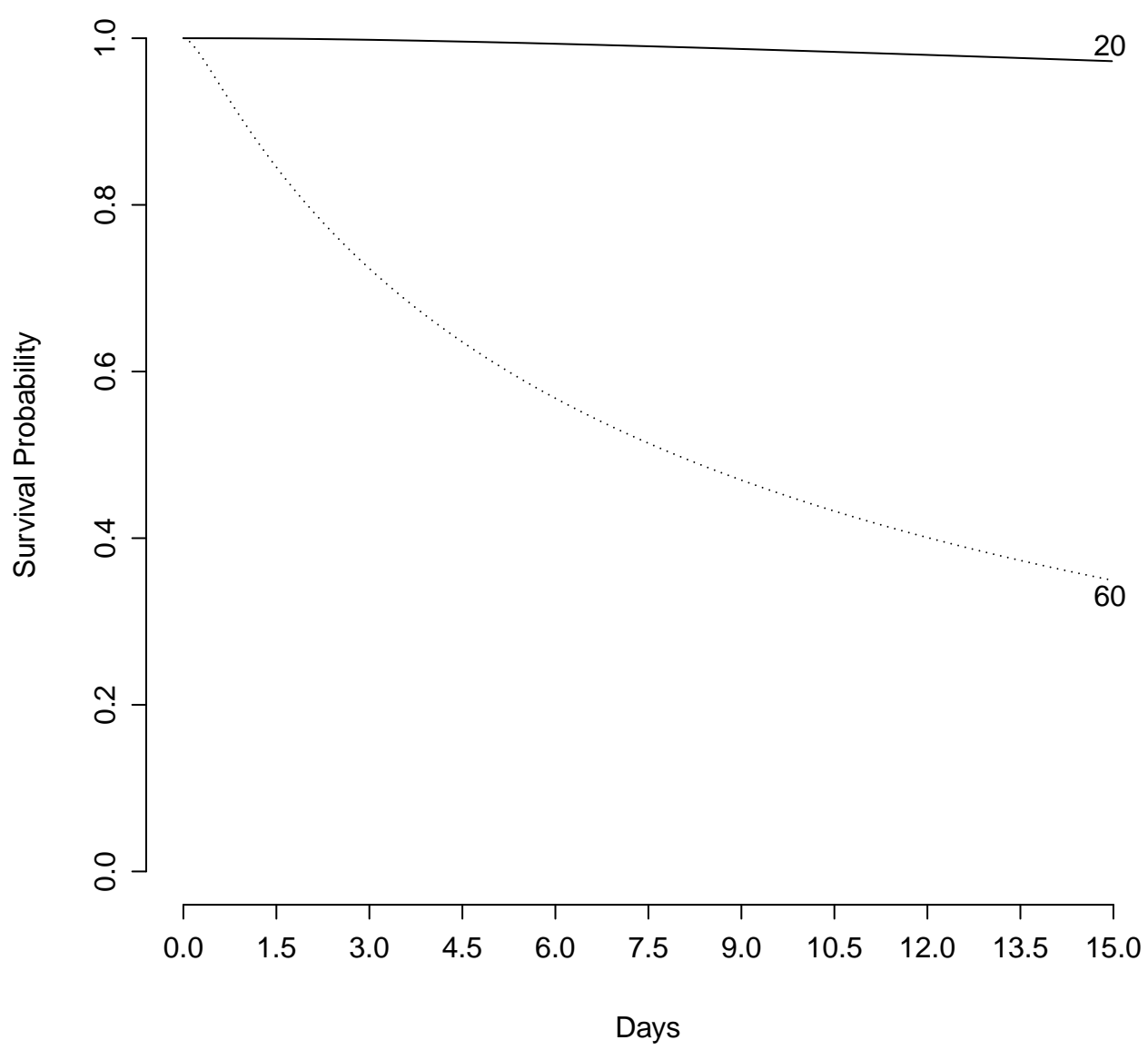


help("predictrms")



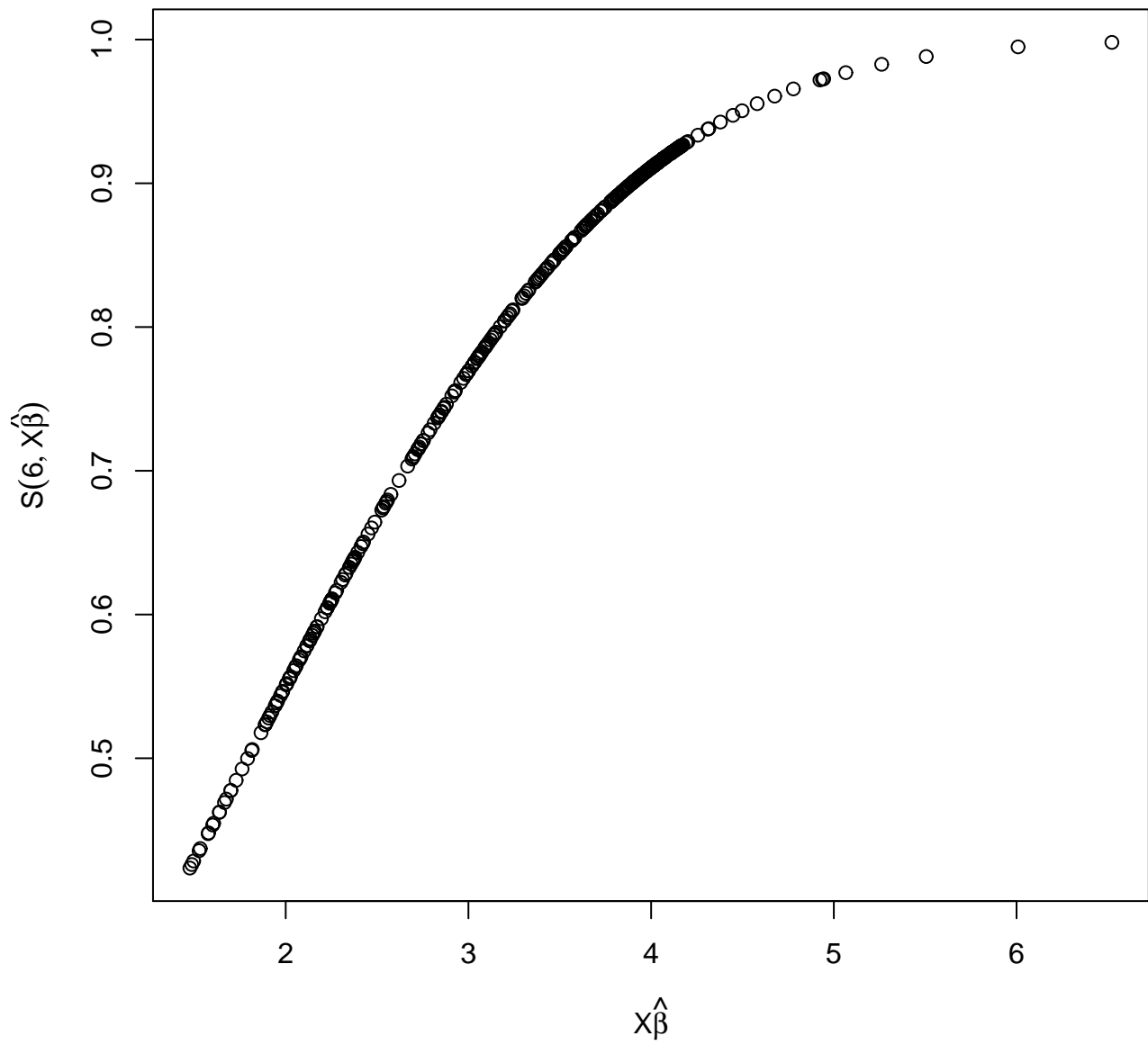


help("psm")

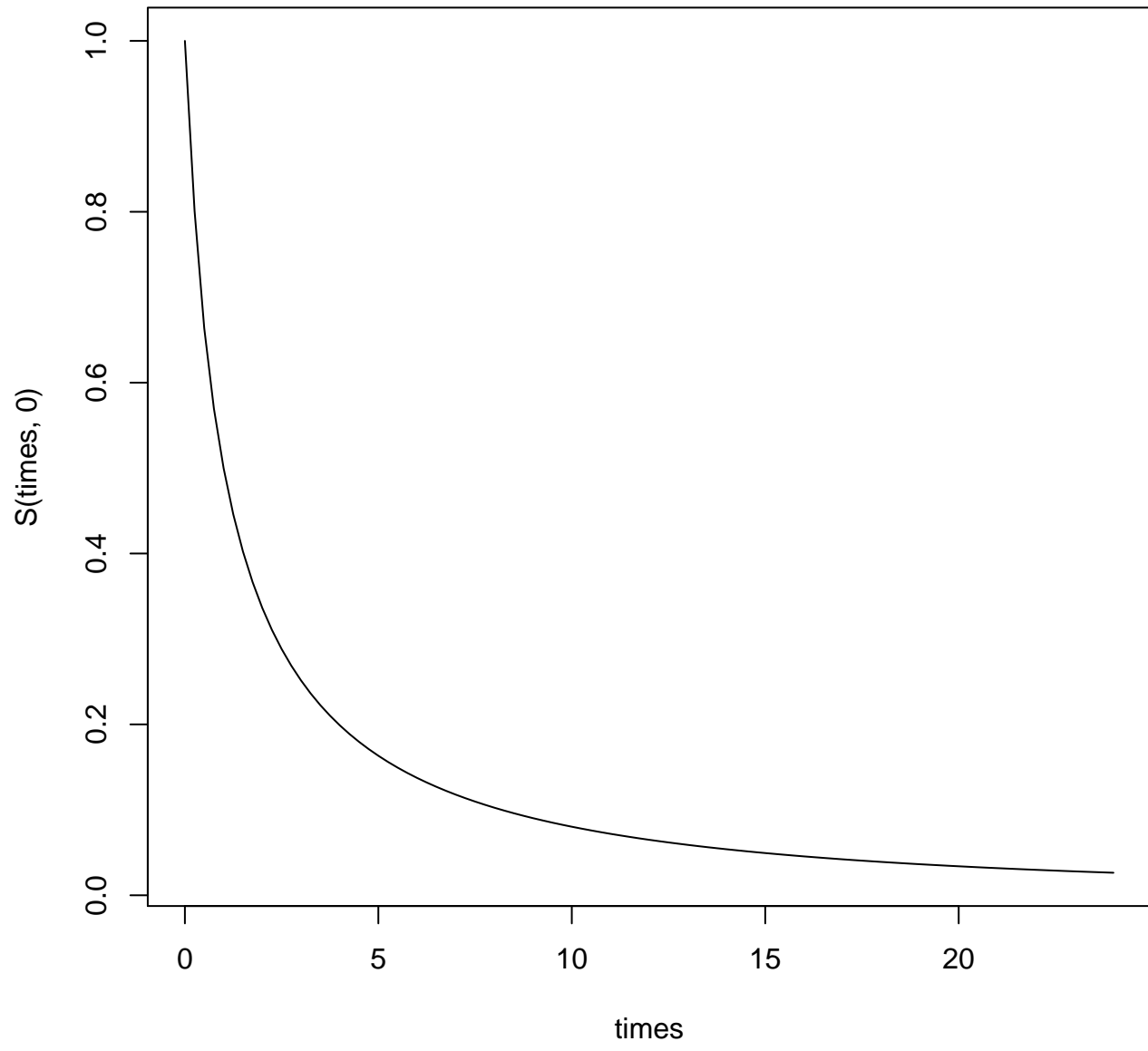


help("psm")

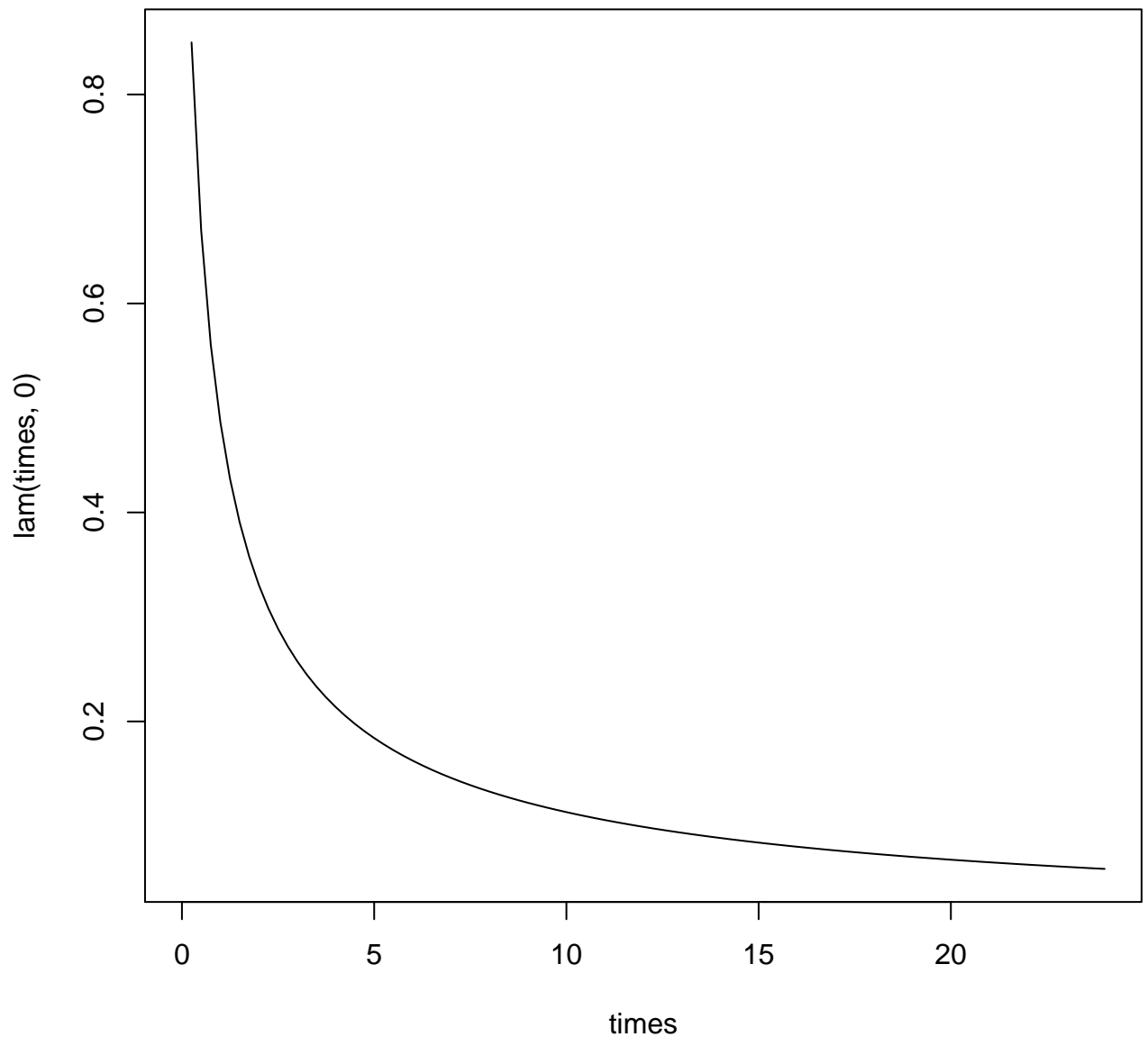
Adjusted to: sex=Female



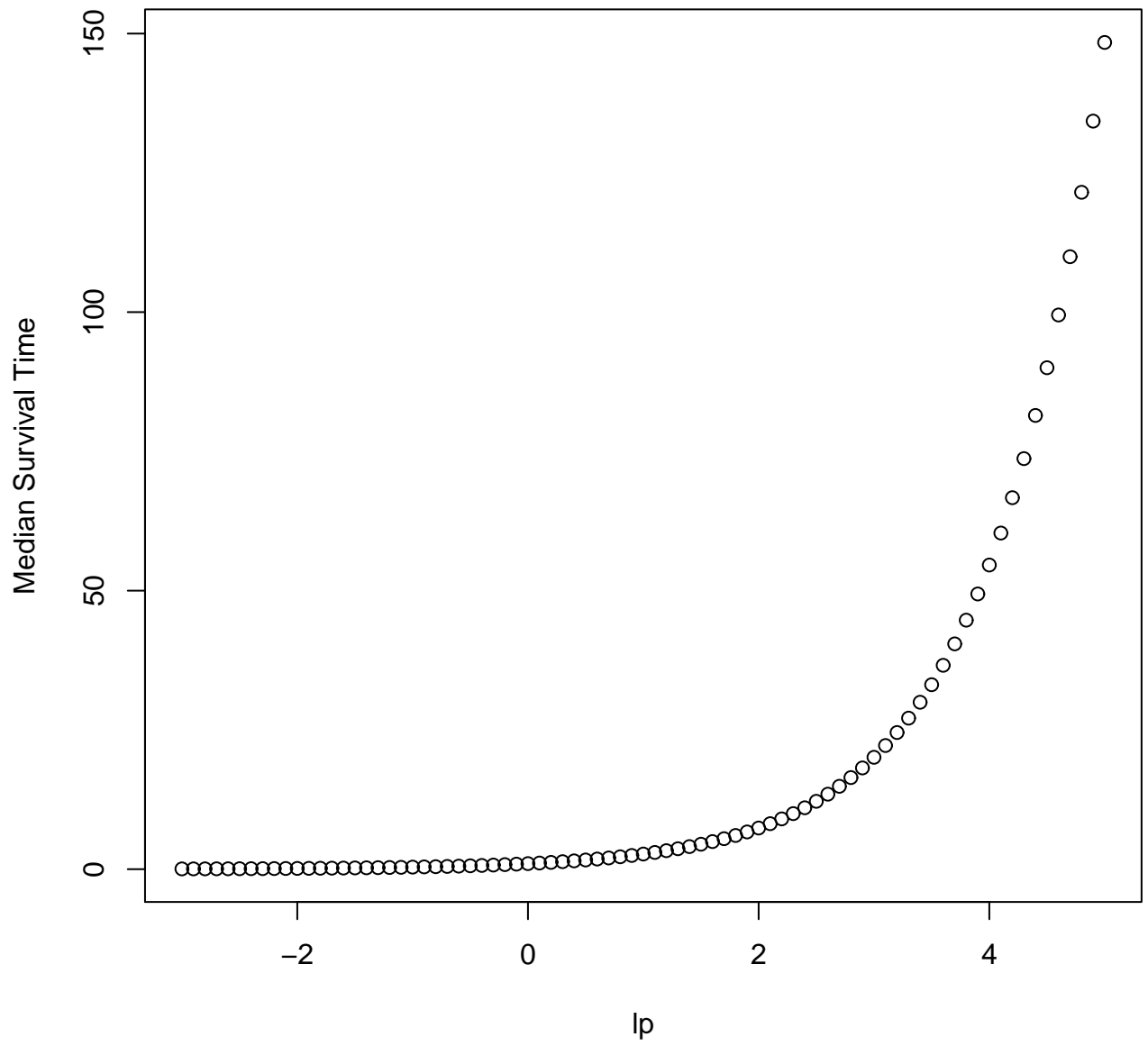
help("psm")



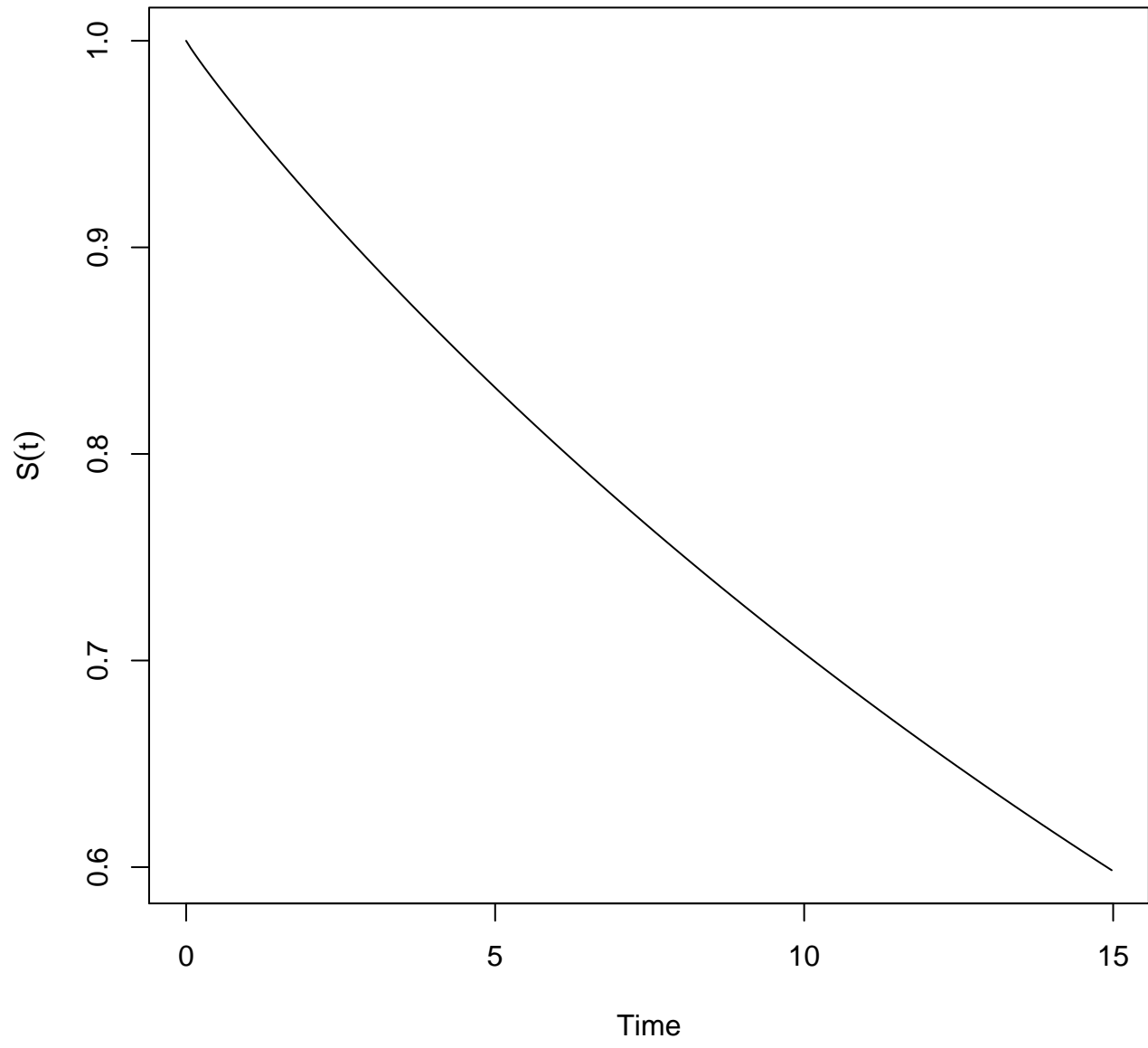
help("psm")



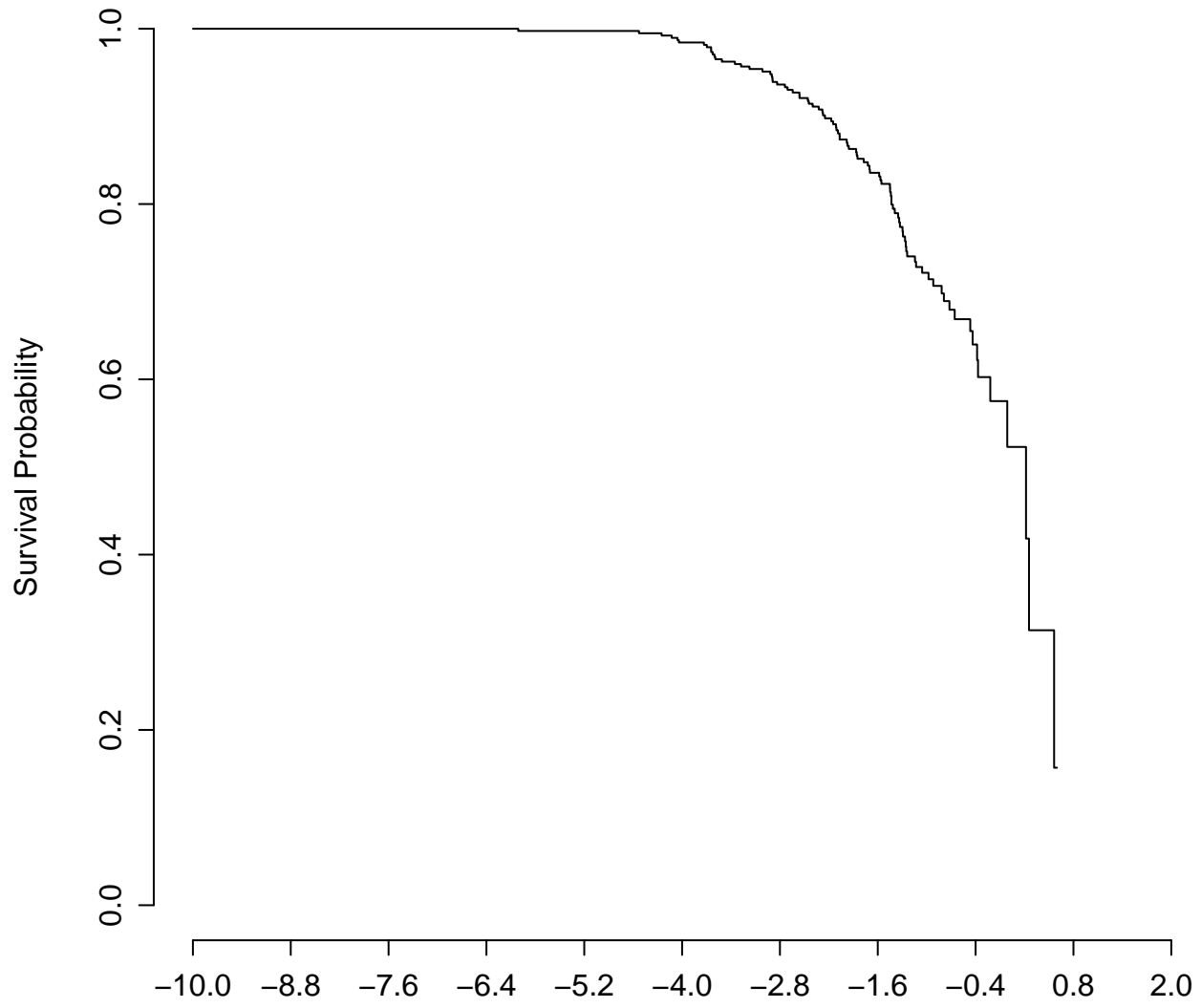
help("psm")



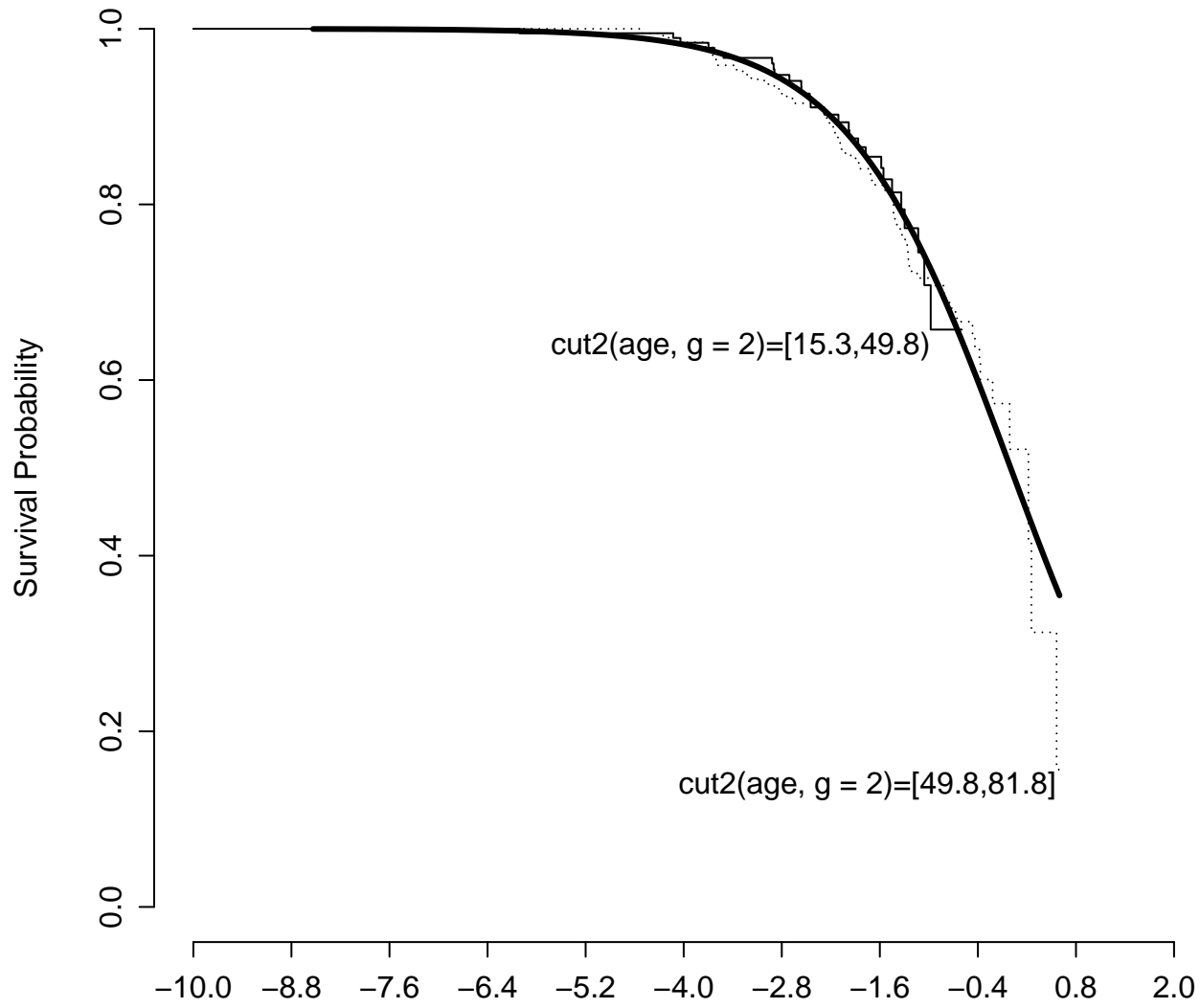
`help("psm")`



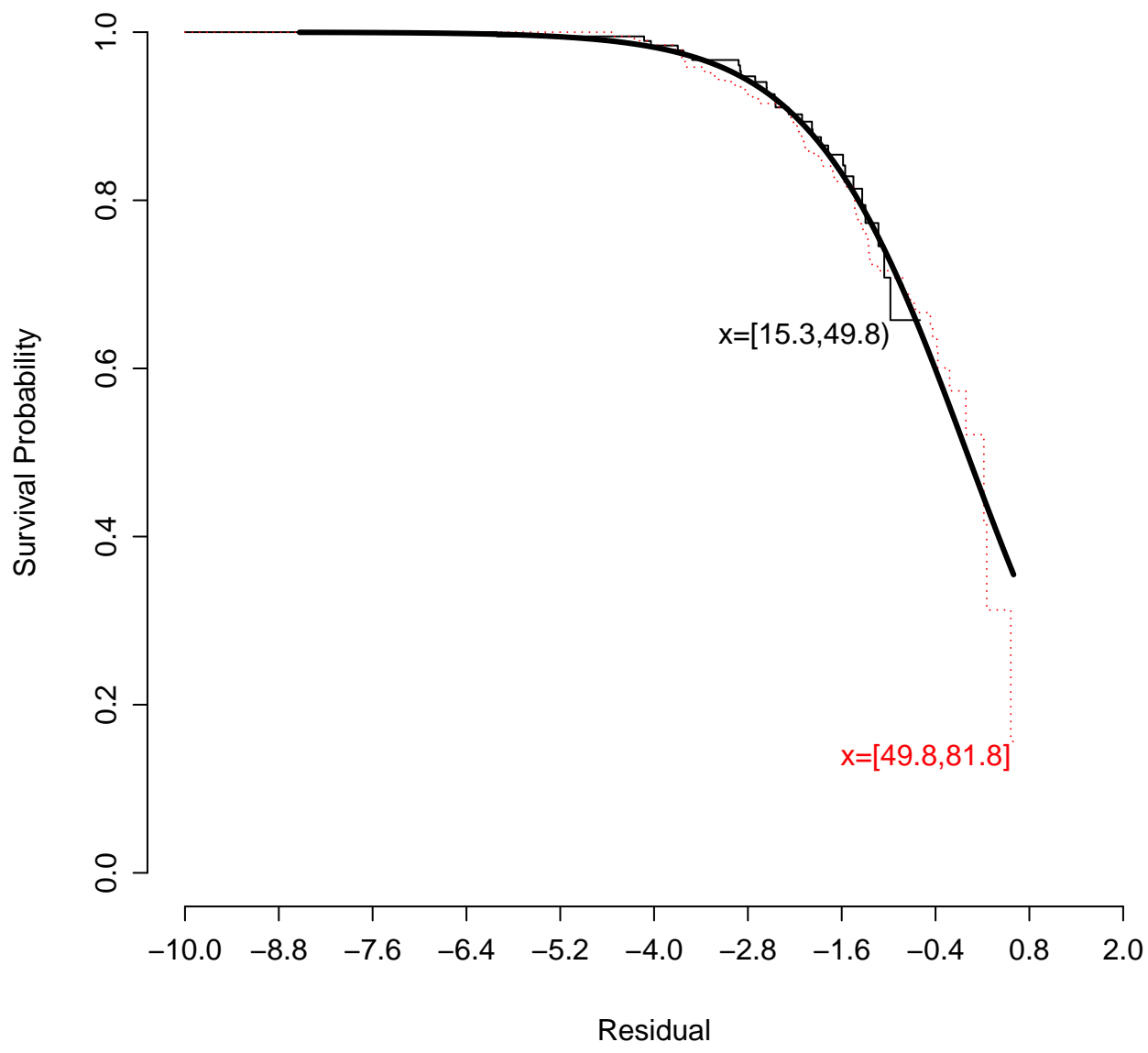
help("psm")



`help("psm")`

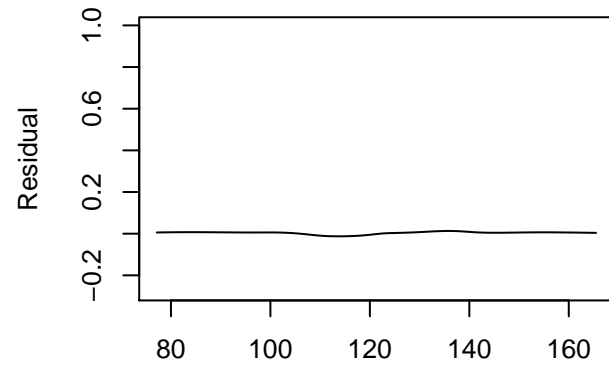
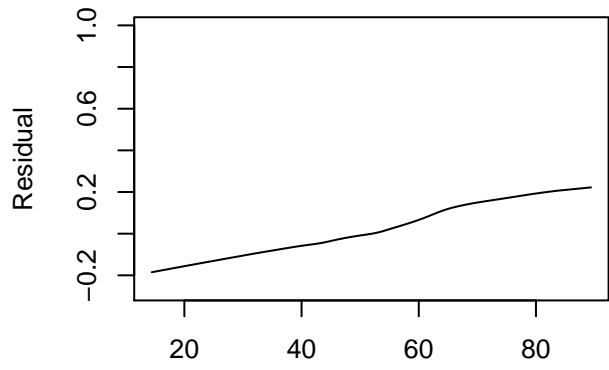


help("psm")

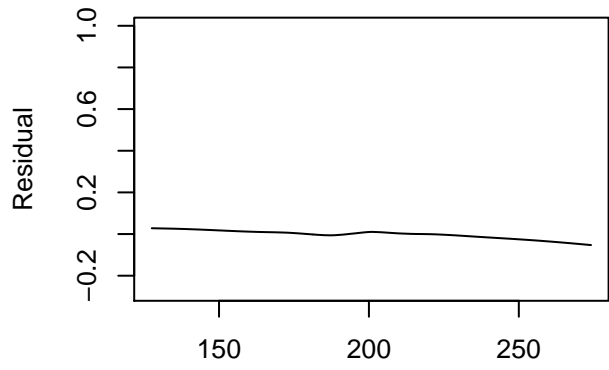


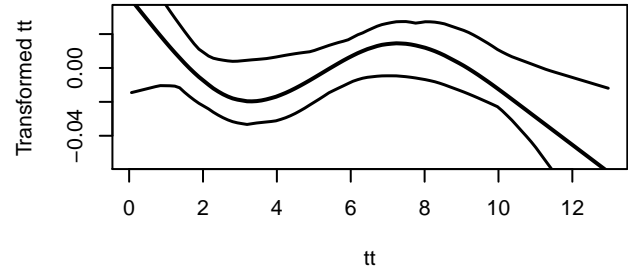
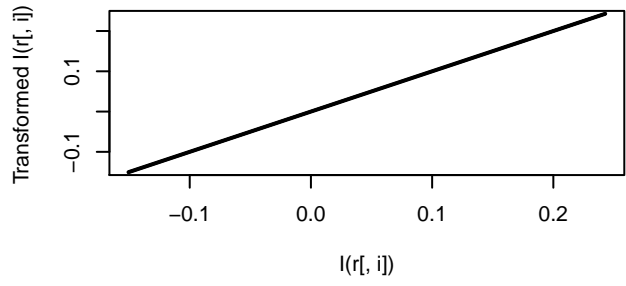
help("psm")

Smoothed Martingale Residuals

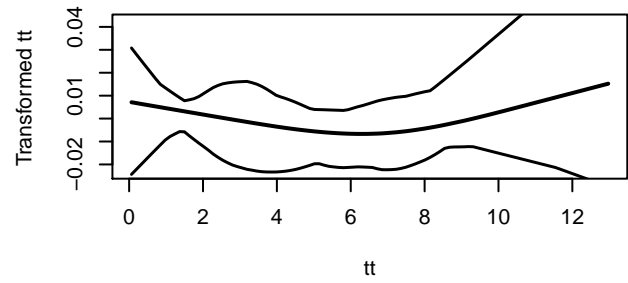
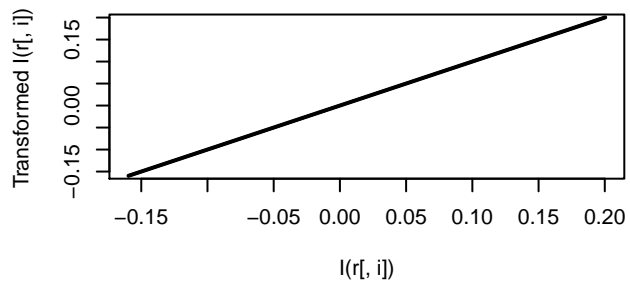
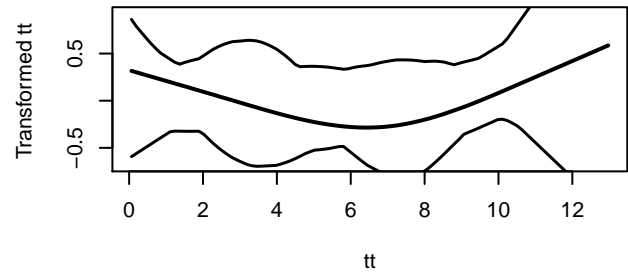
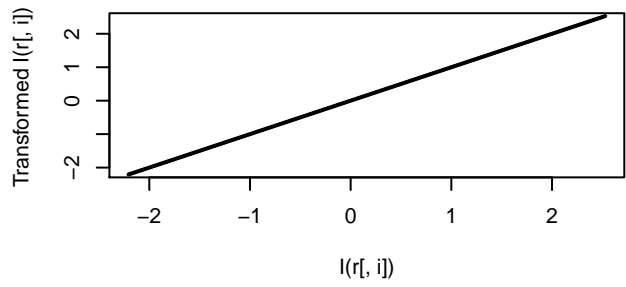


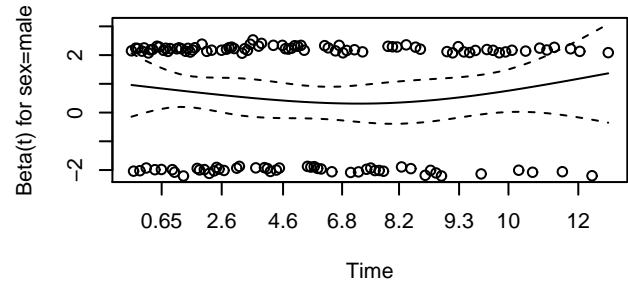
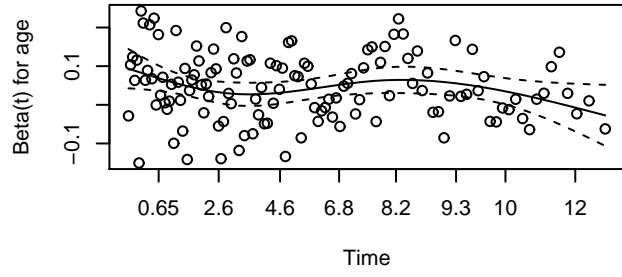
[help\("residuals.cph"\)](#)



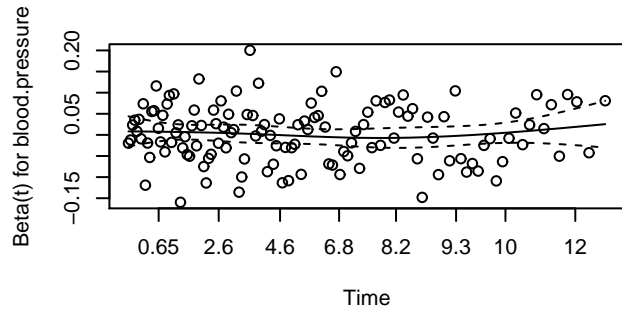


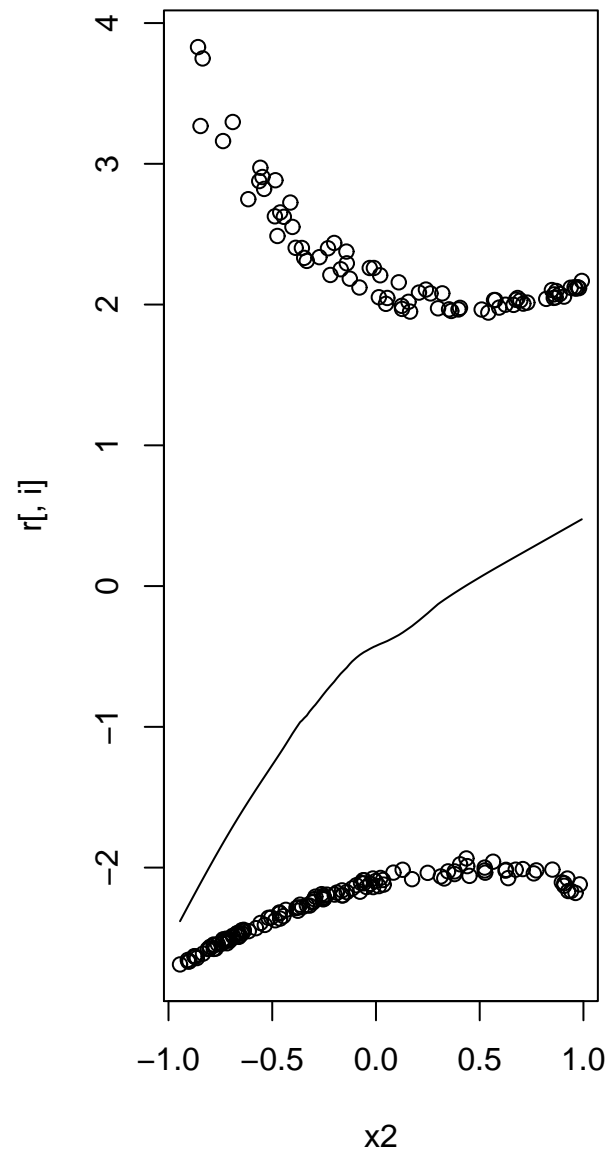
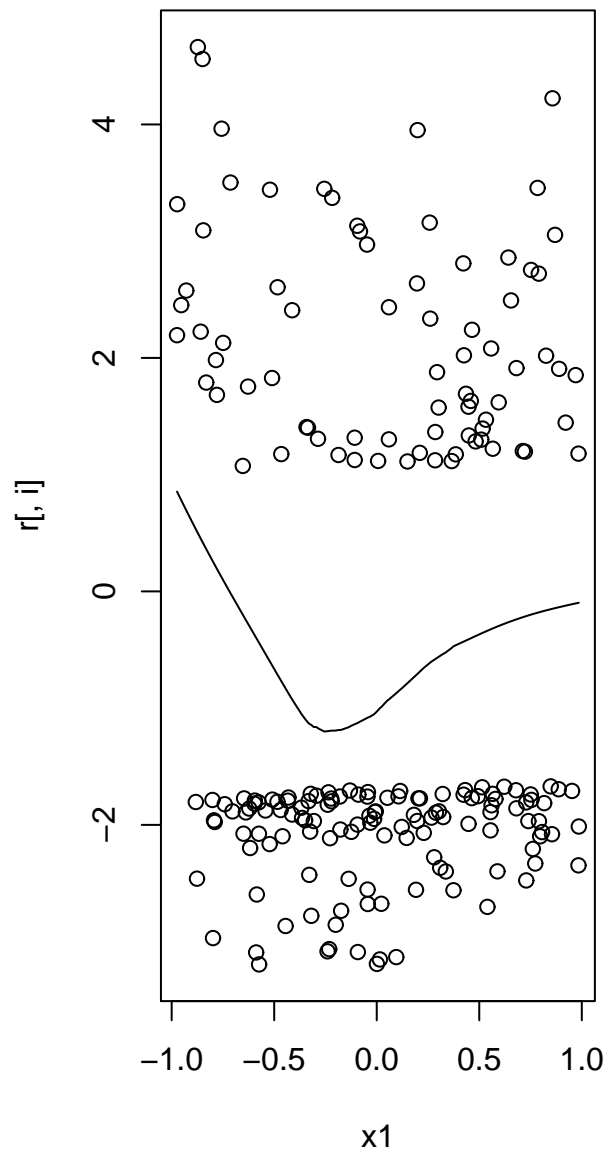
`help("residuals.cph")`



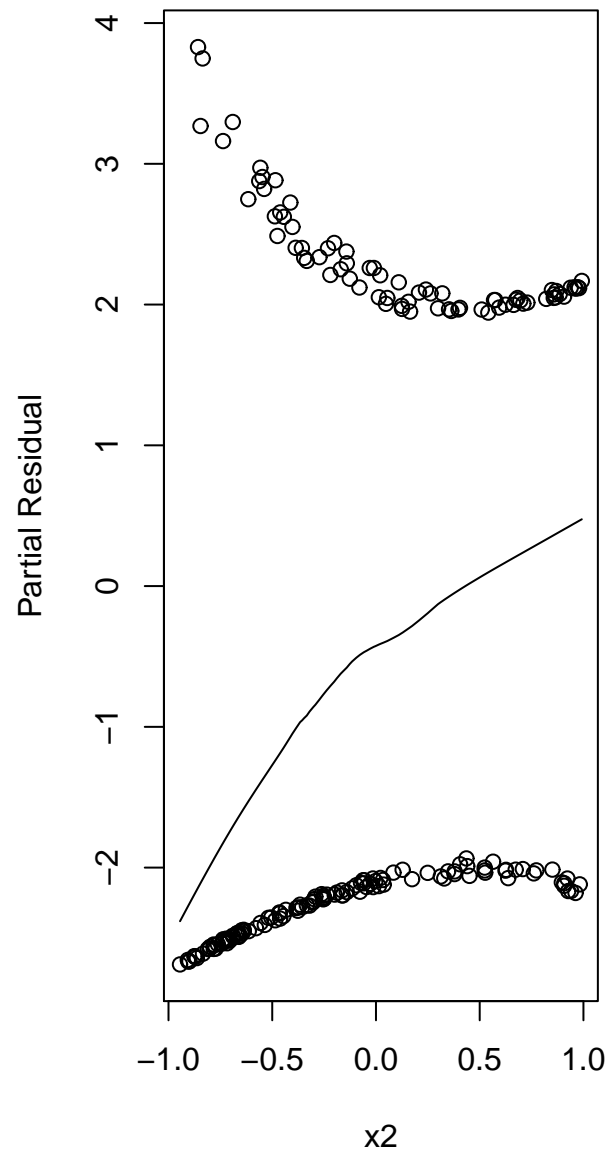
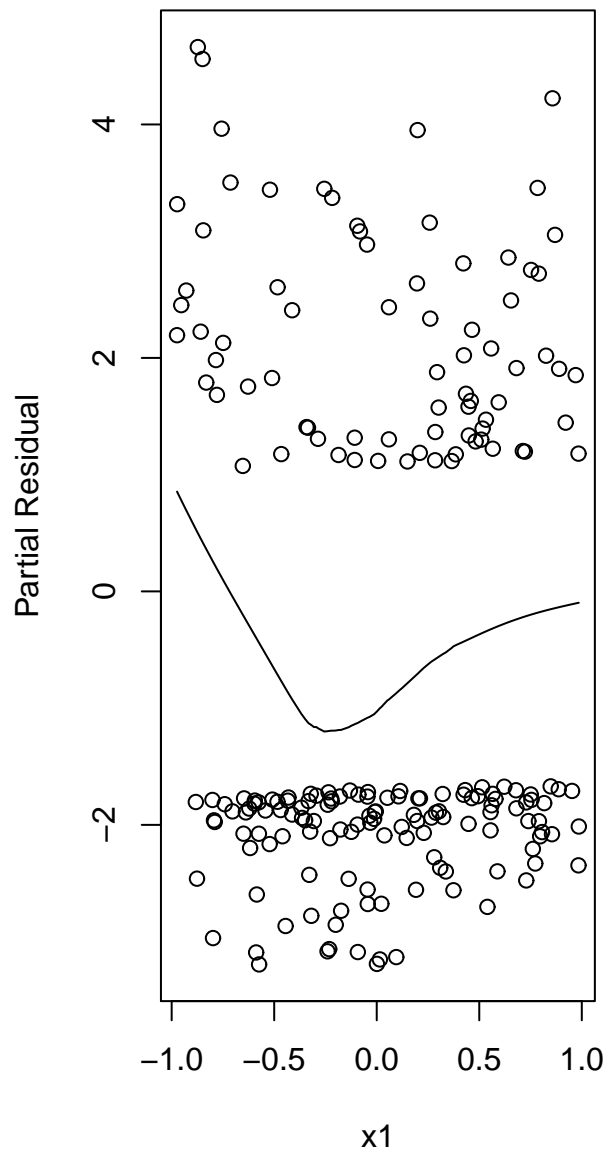


[help\("residuals.cph"\)](#)

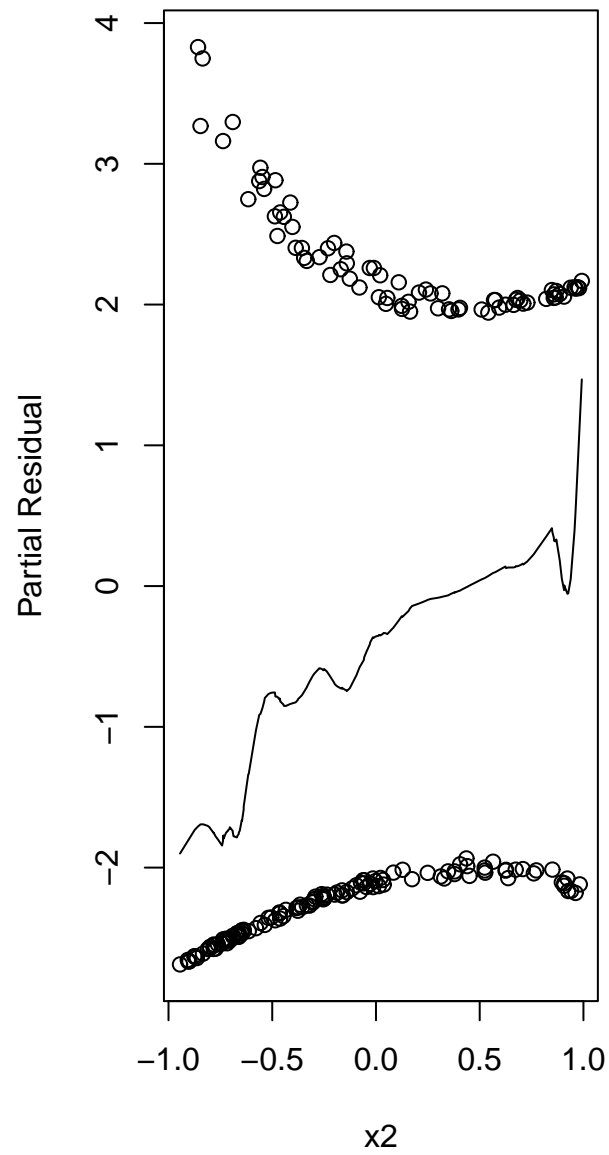
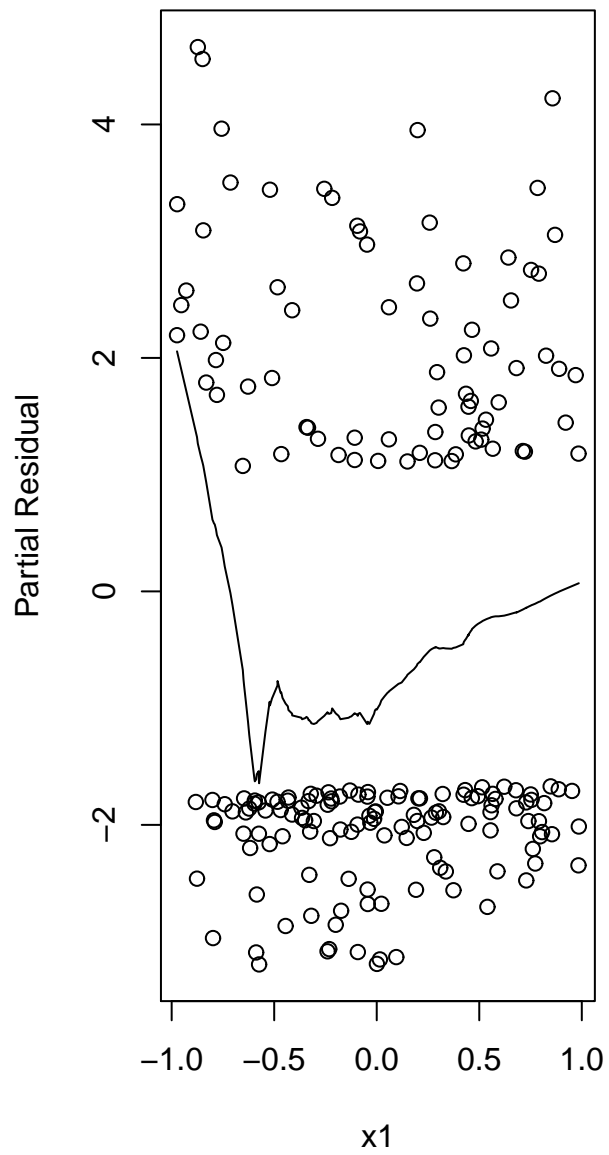




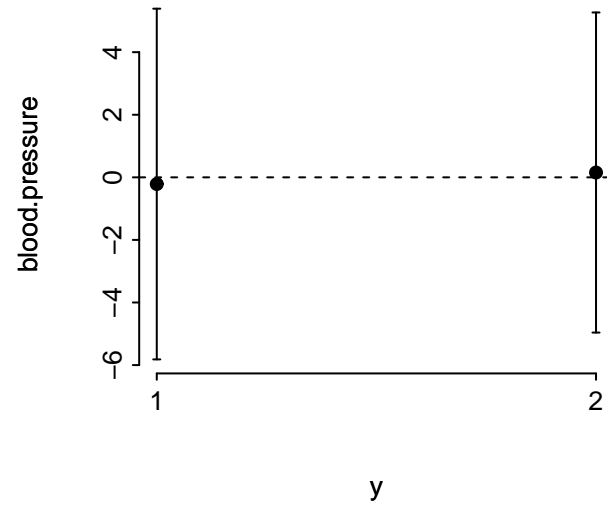
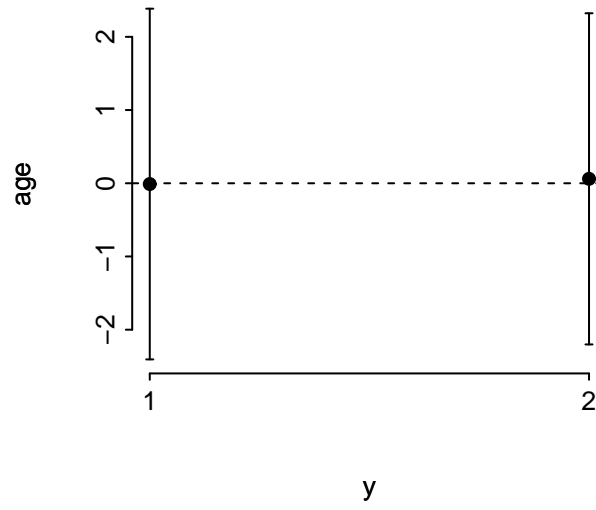
[help\("residuals.lrm"\)](#)



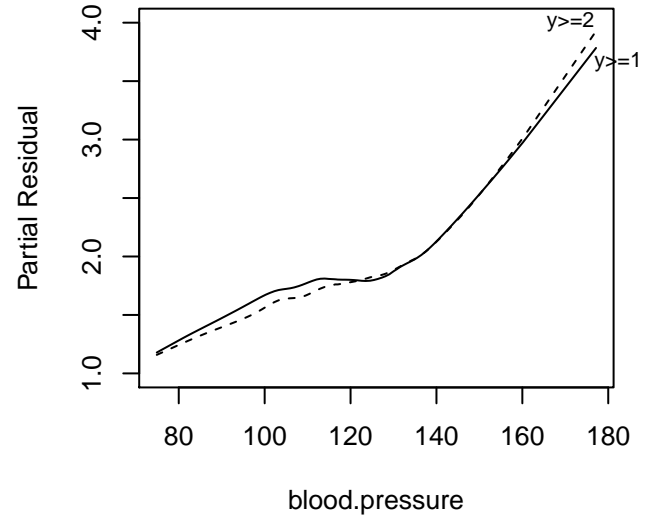
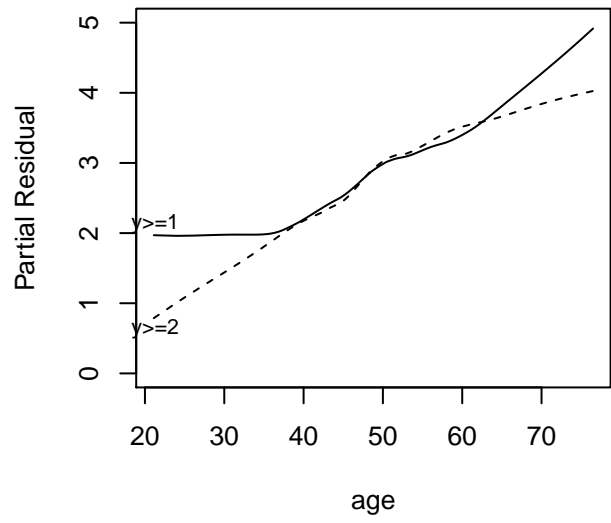
[help\("residuals.lrm"\)](#)

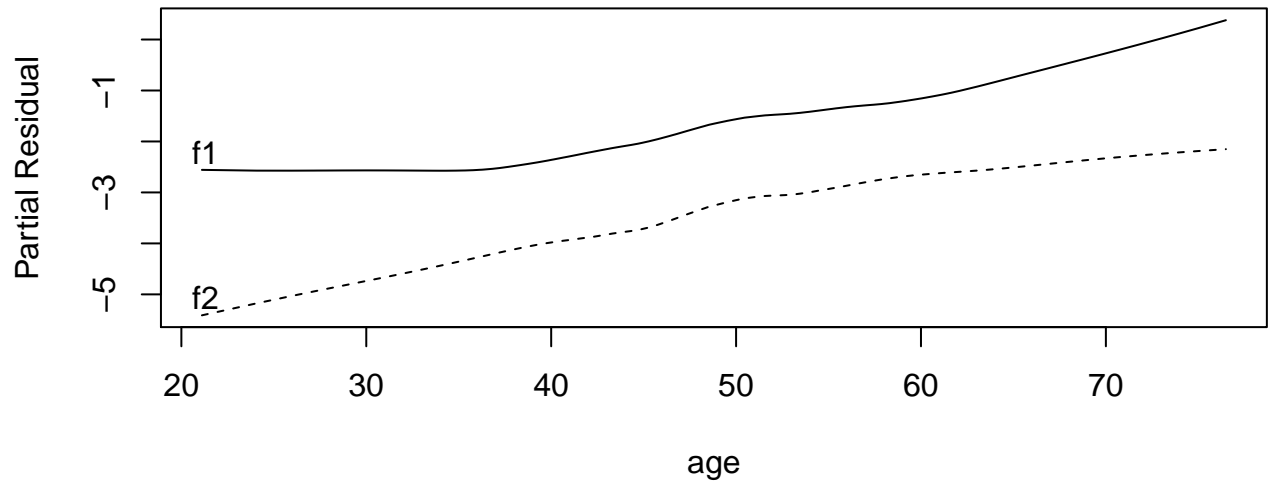


[help\("residuals.lrm"\)](#)

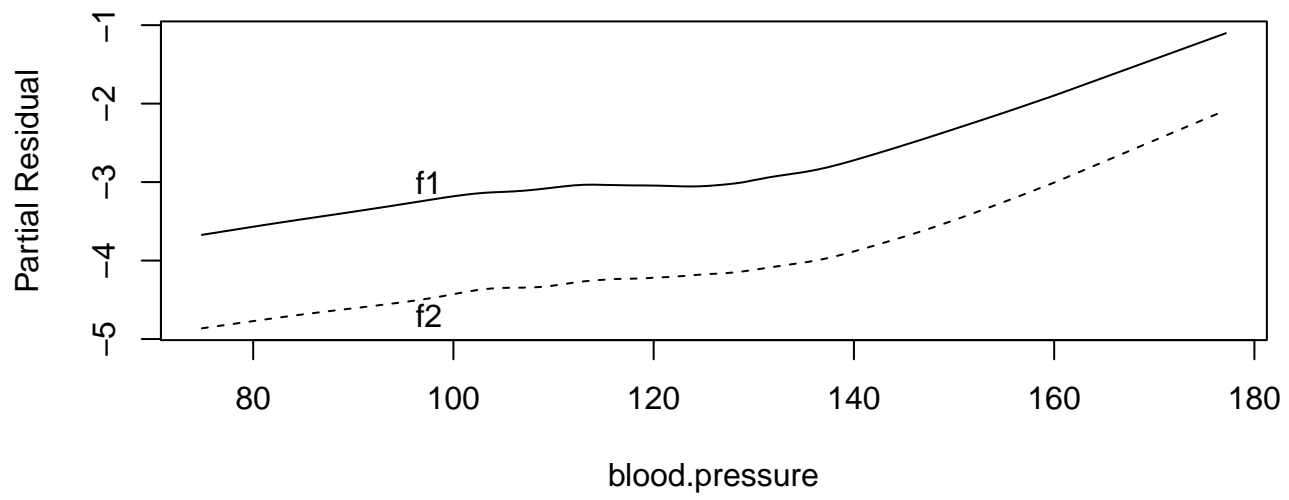


help("residuals.lrm")

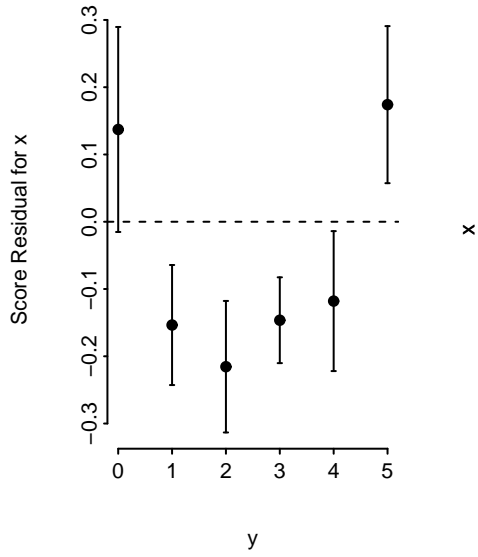




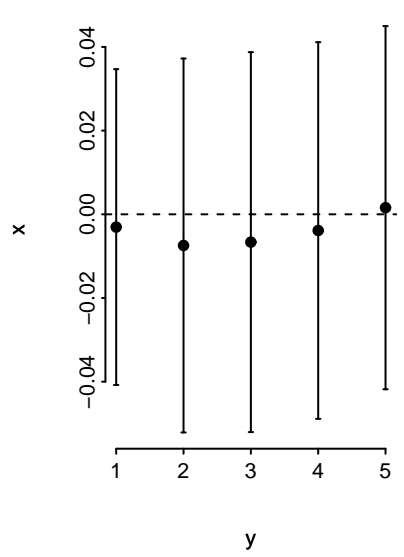
`help("residuals.lrm")`



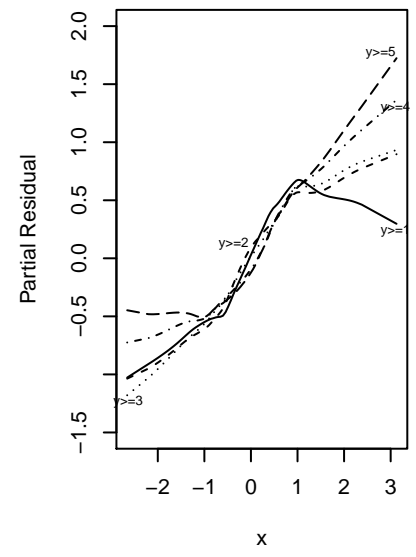
**True Proportional Odds
Ordinal Model Score Residuals**



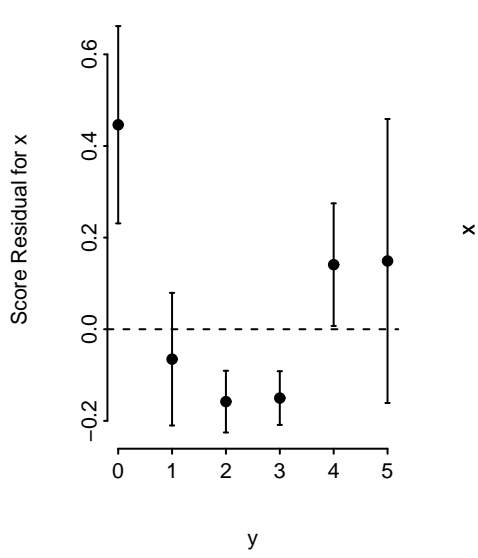
**True Proportional Odds
Binary Score Residuals**



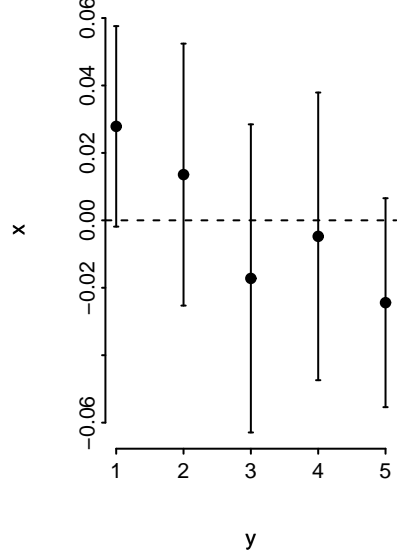
**True Proportional Odds
Partial Residuals**



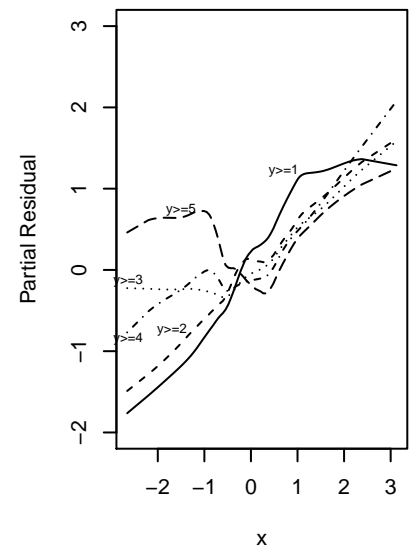
**Non-Proportional Odds
Slopes=.7 .5 .3 .3 0**

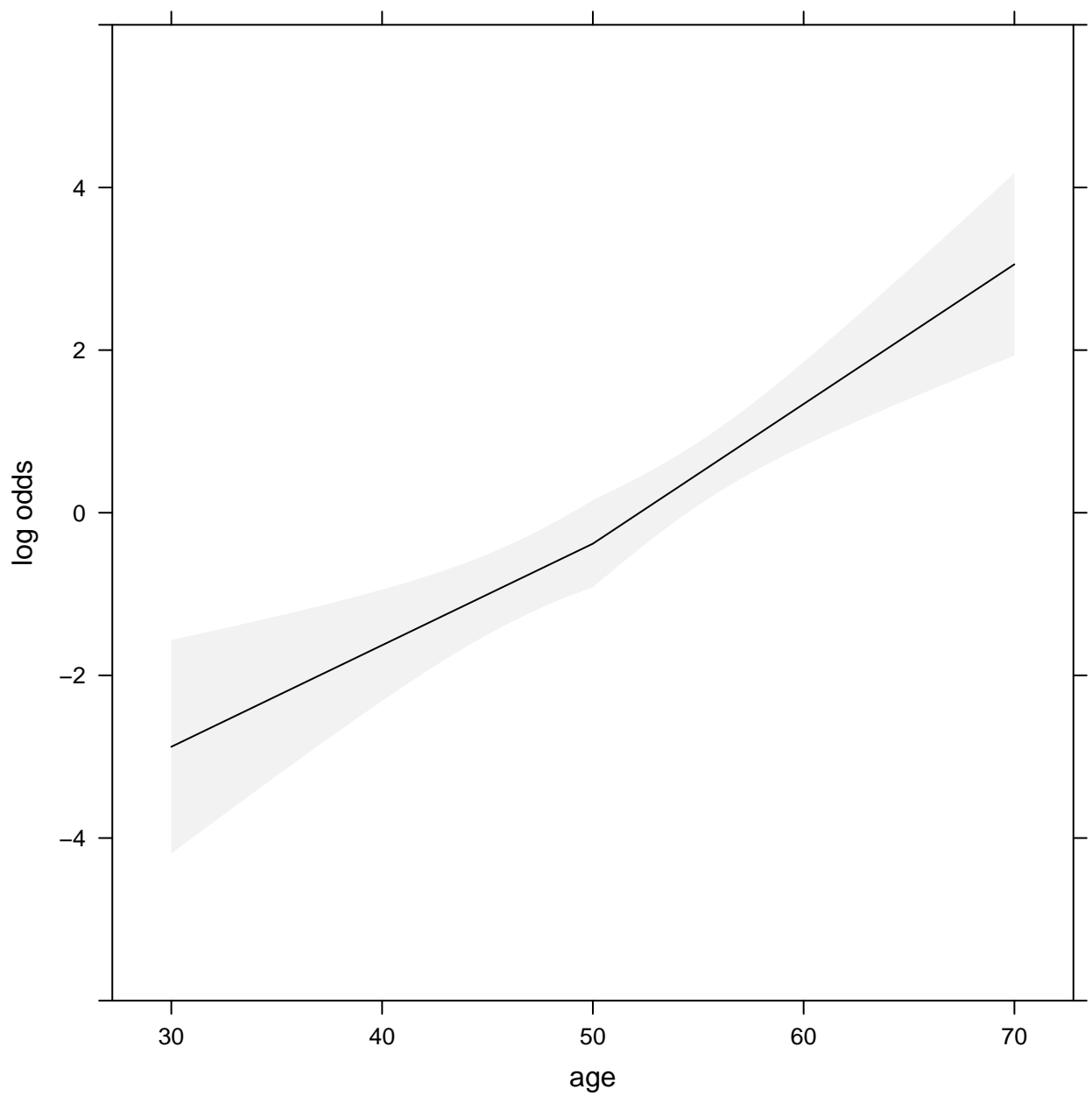


**Non-Proportional Odds
Slopes=.7 .5 .3 .3 0**

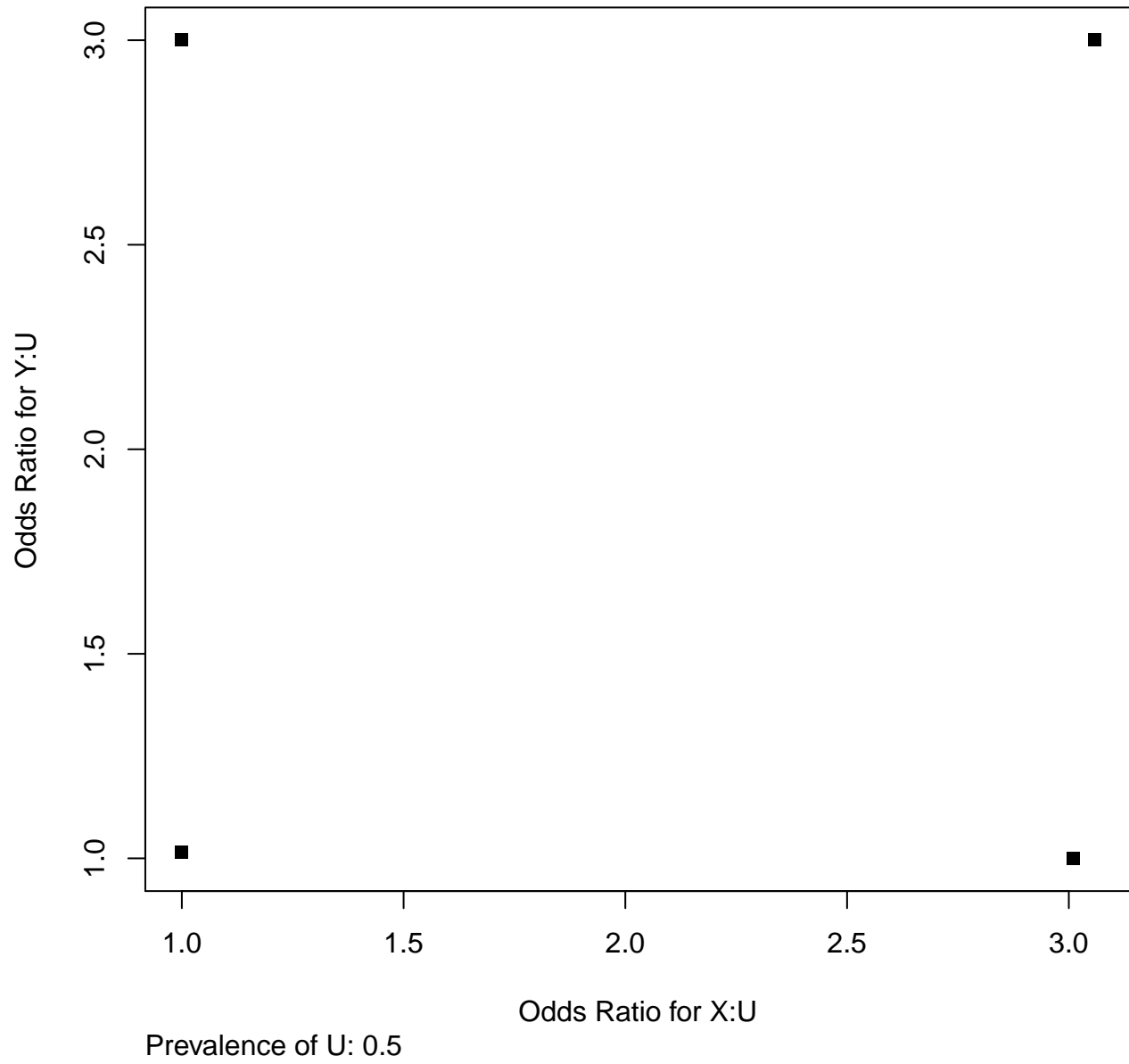


**Non-Proportional Odds
Slopes=.7 .5 .3 .3 0**

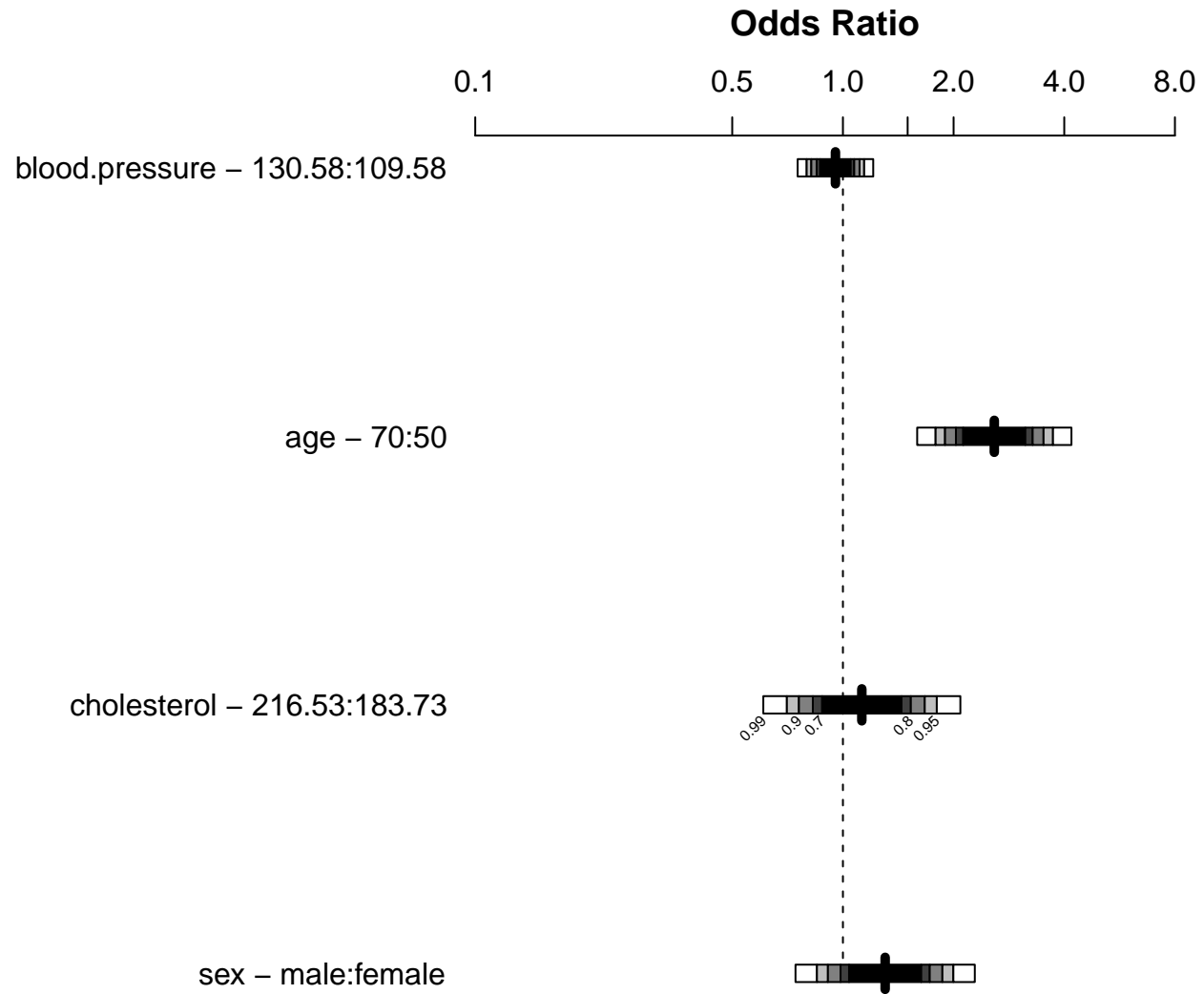




help("robcov")

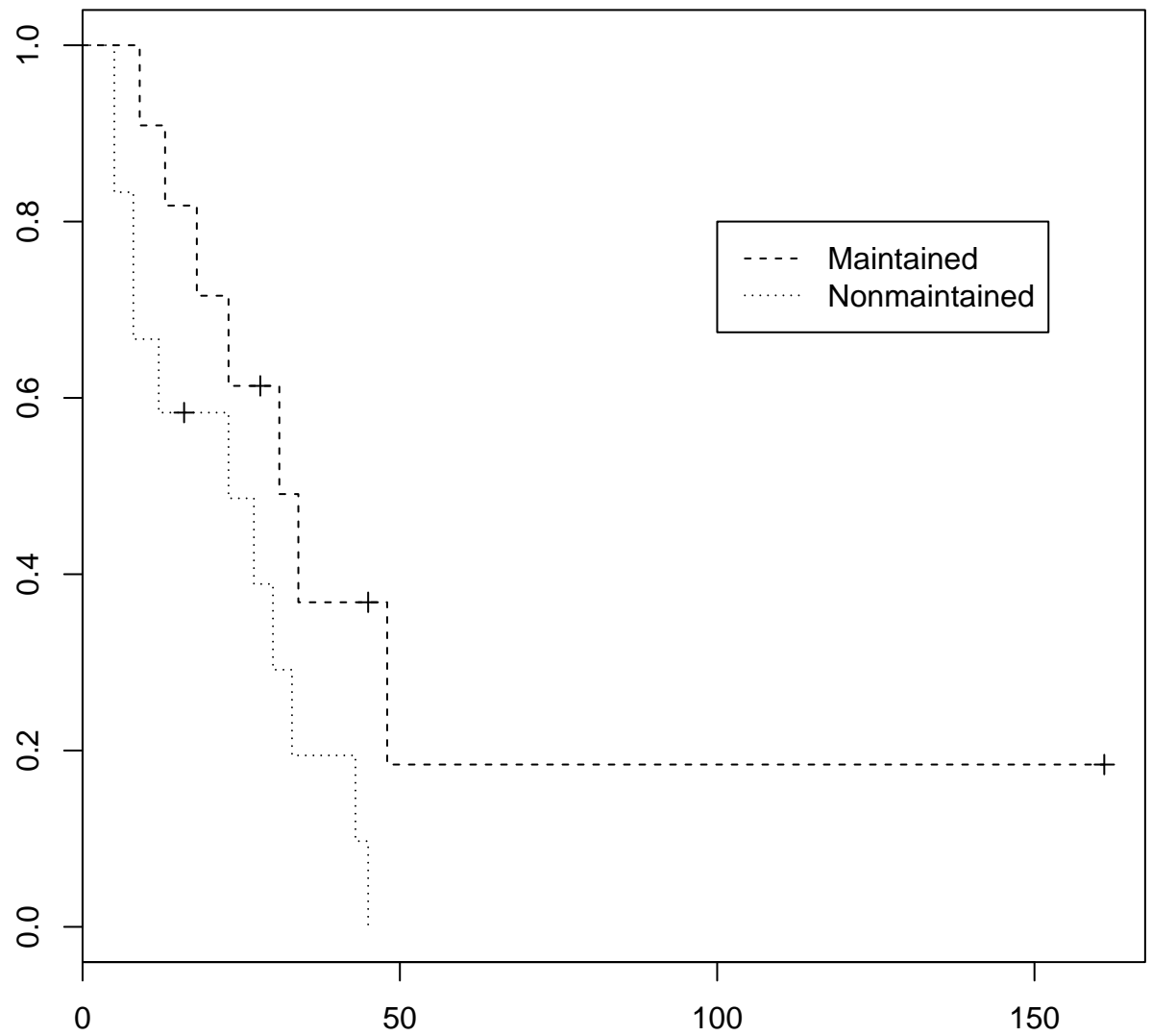


help("sensuc")

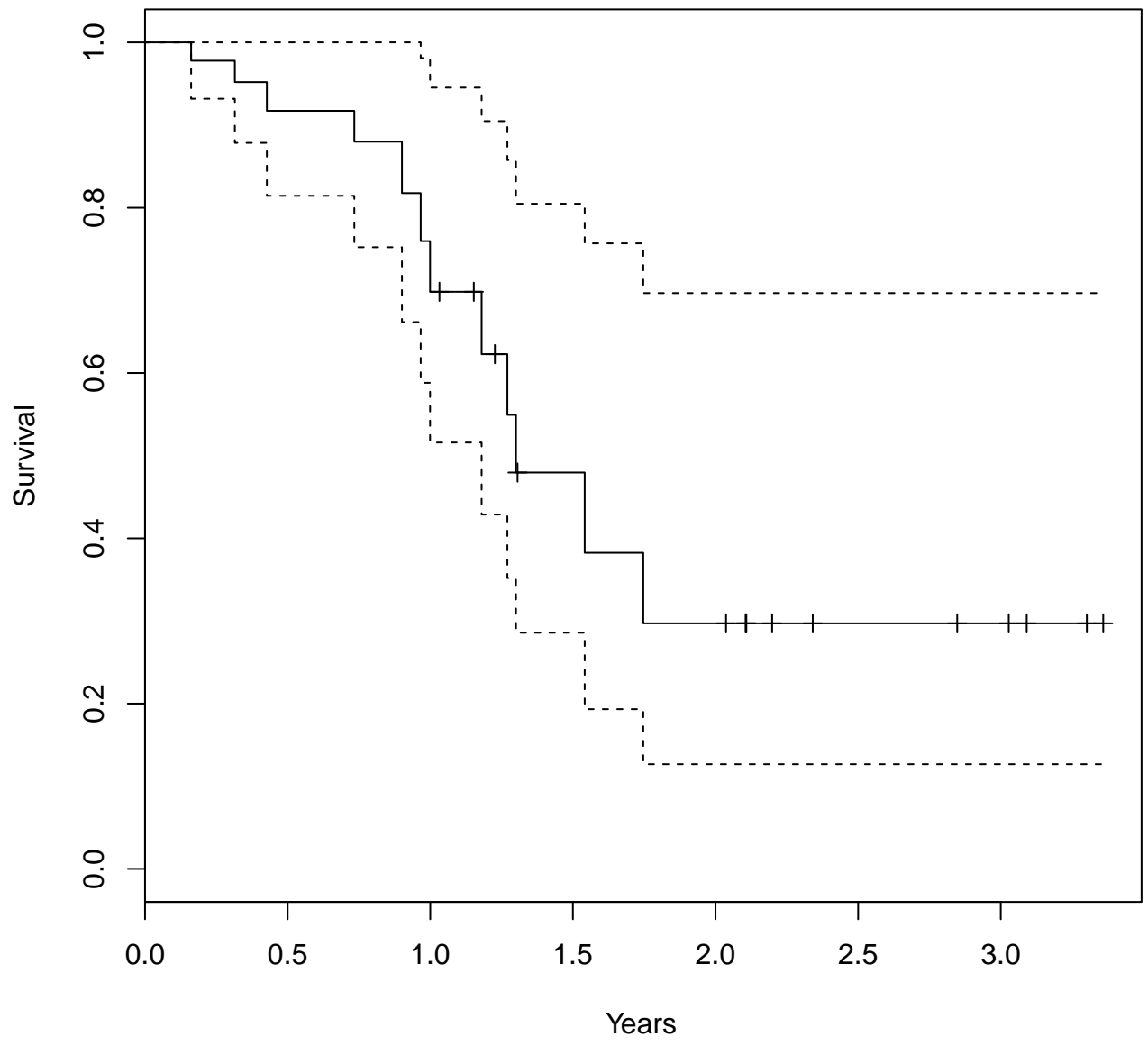


help("subplots(asymmetry.rms)")

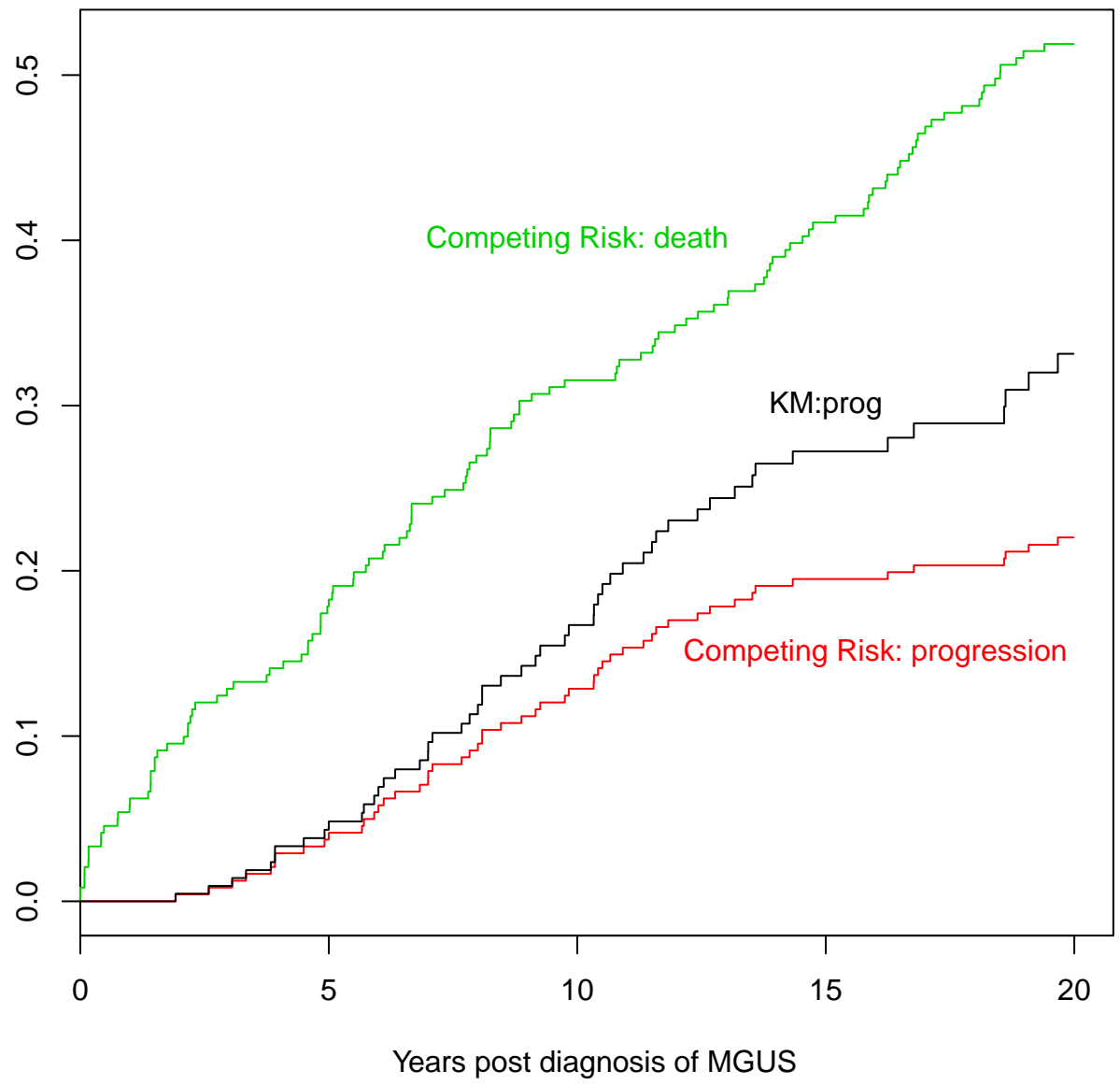
Adjusted to:sex=female age=60 cholesterol=200.48



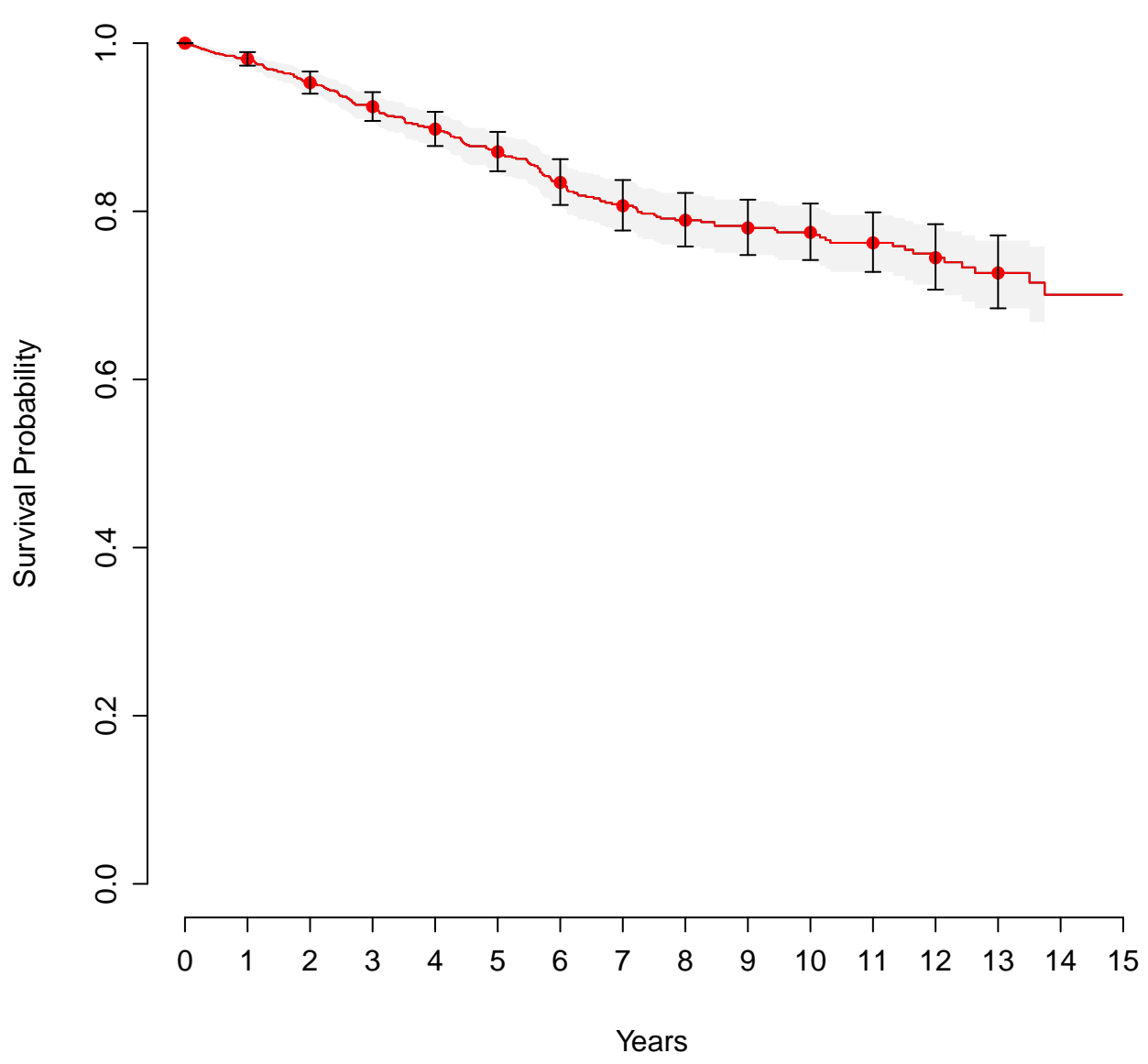
`help("survfit.formula")`



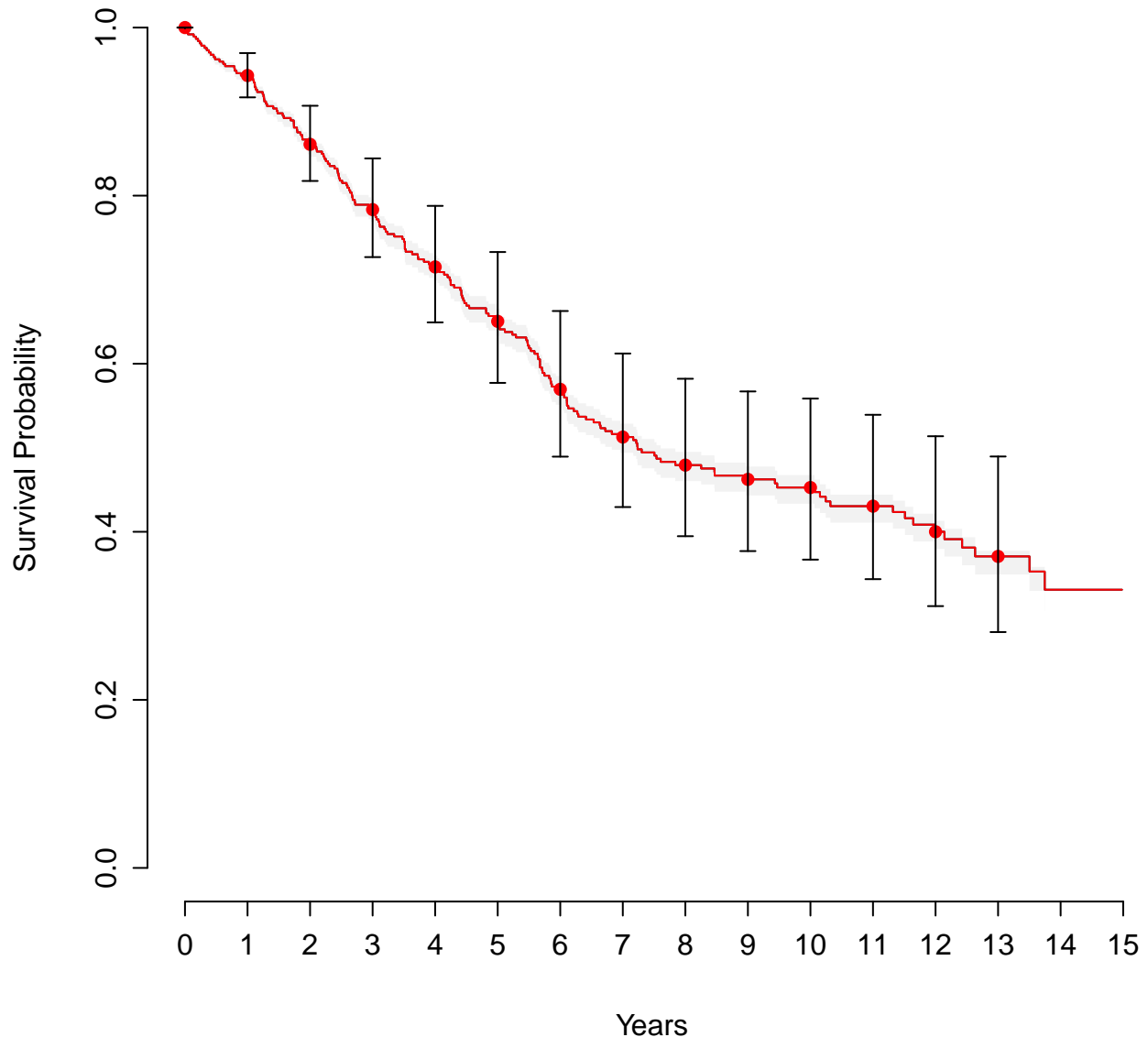
`help("survfit.formula")`



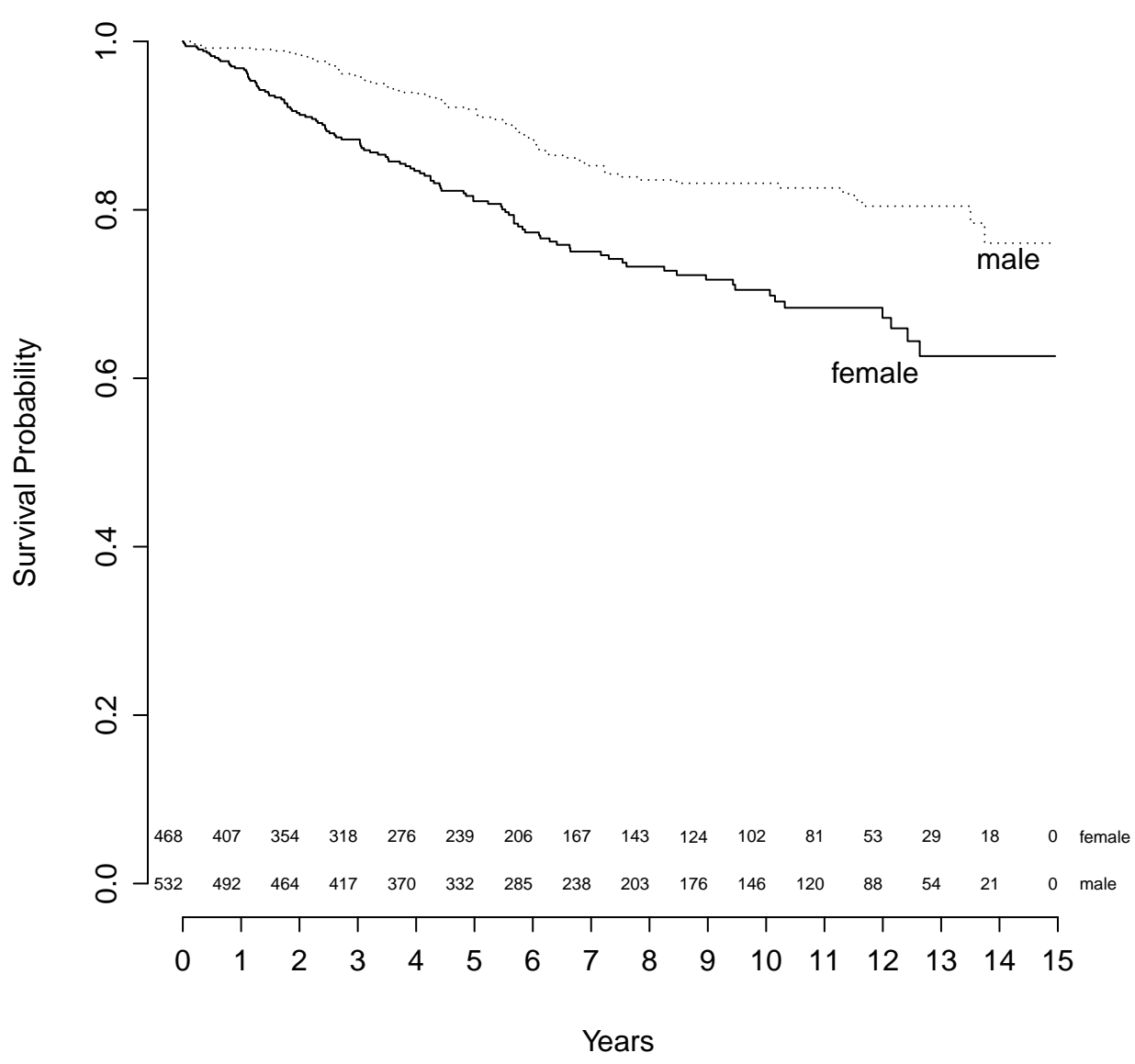
help("survfit.formula")



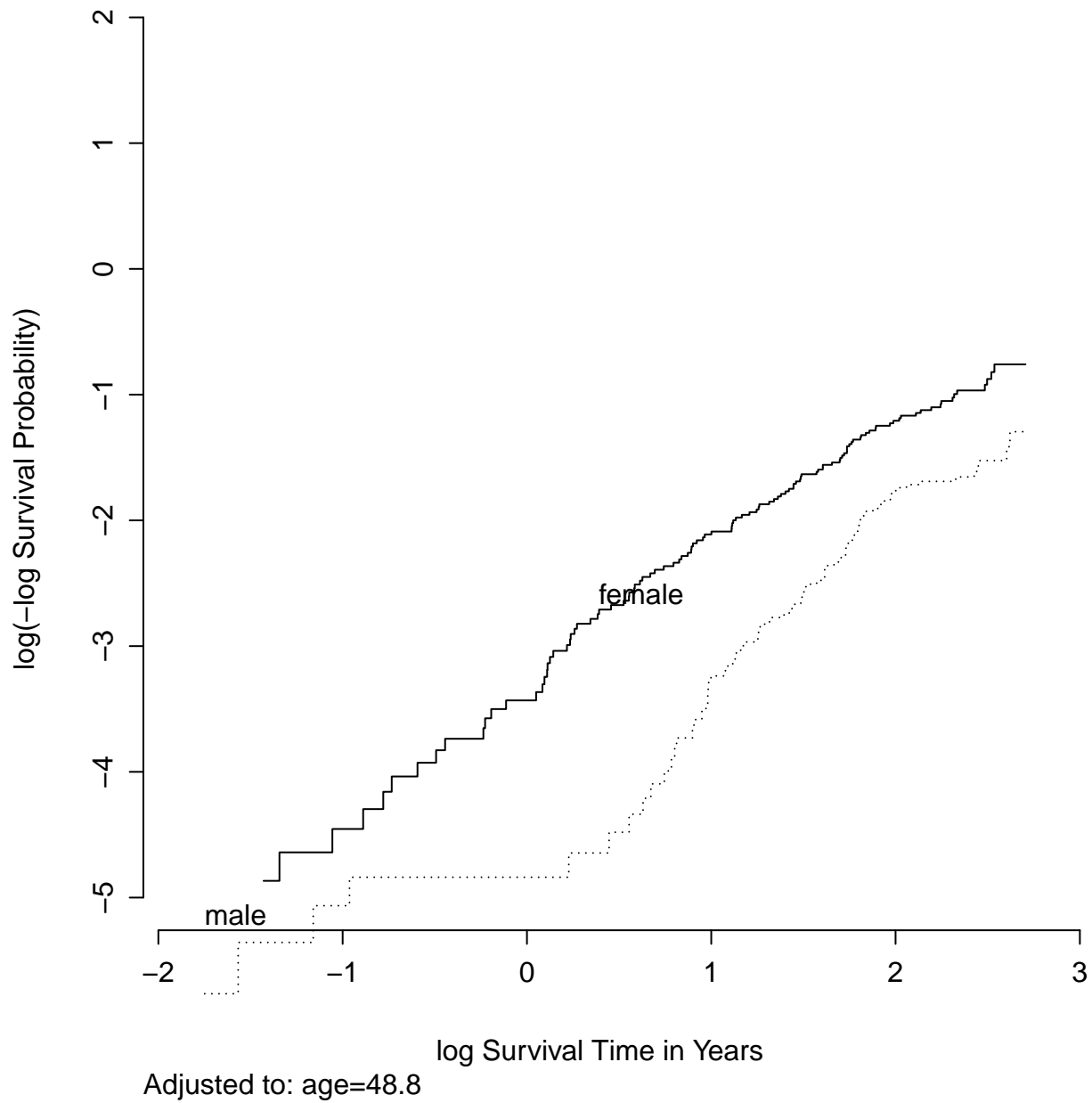
help("survplot")

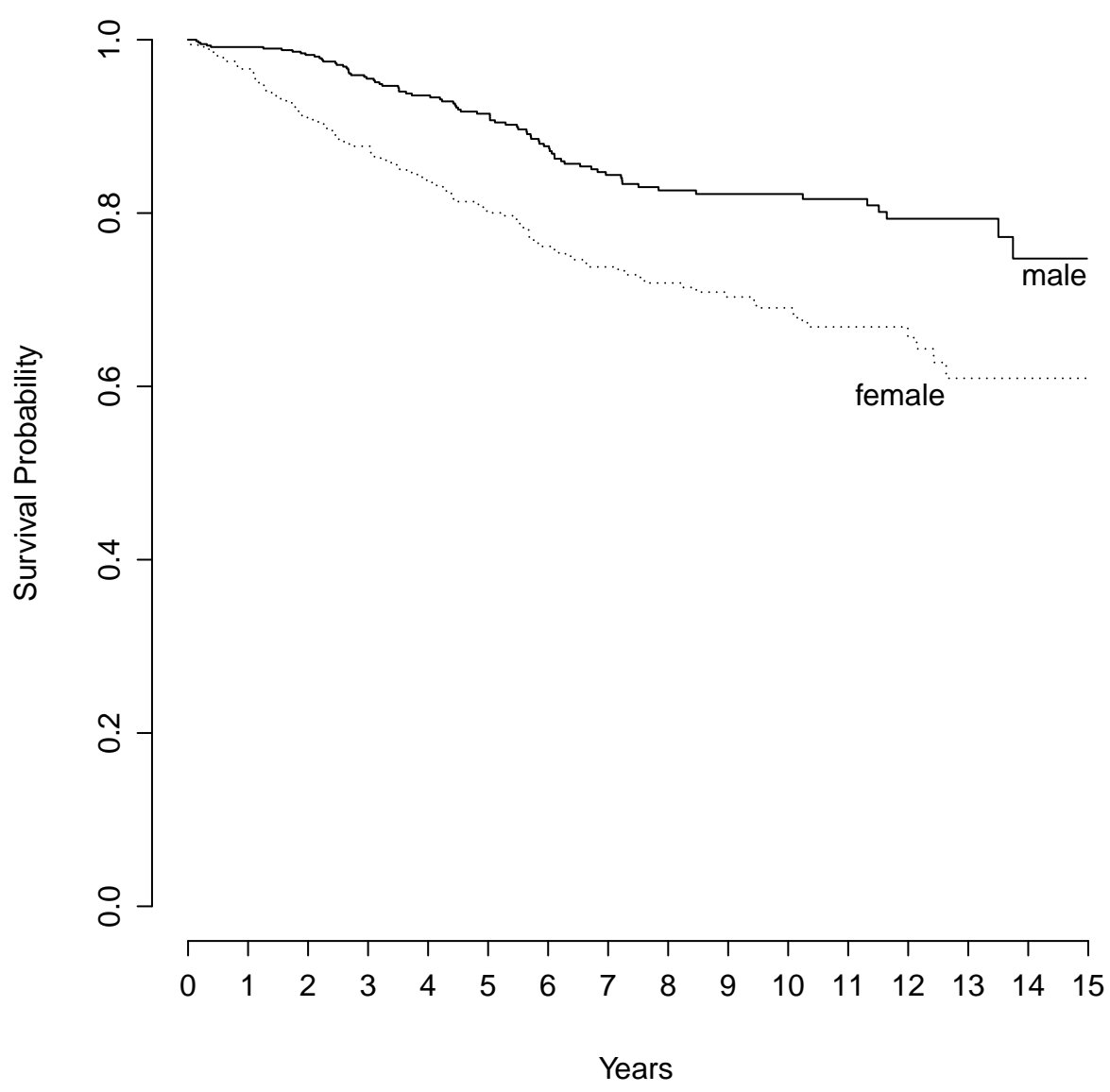


`help("survplot")`

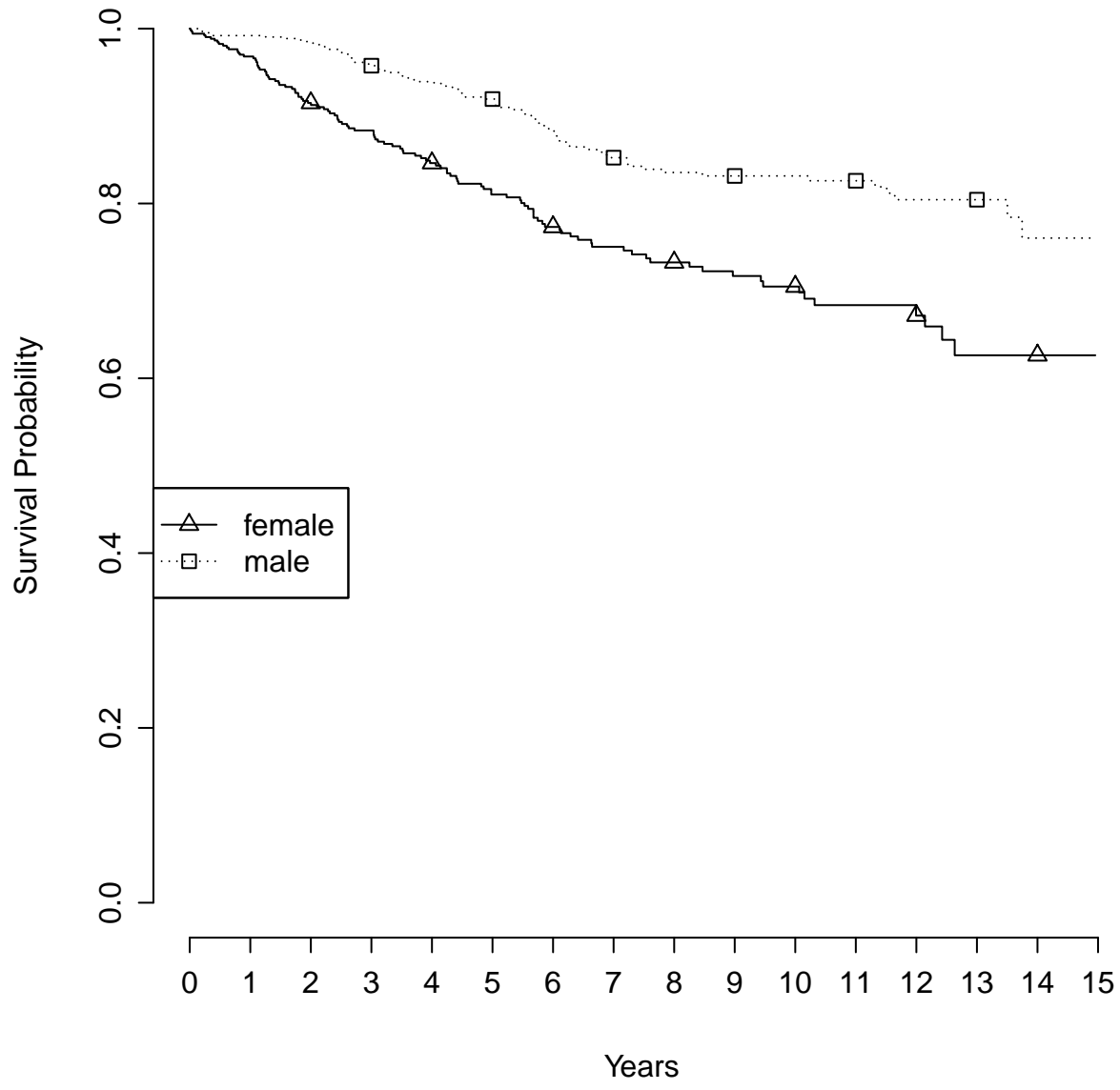


help("survplot")

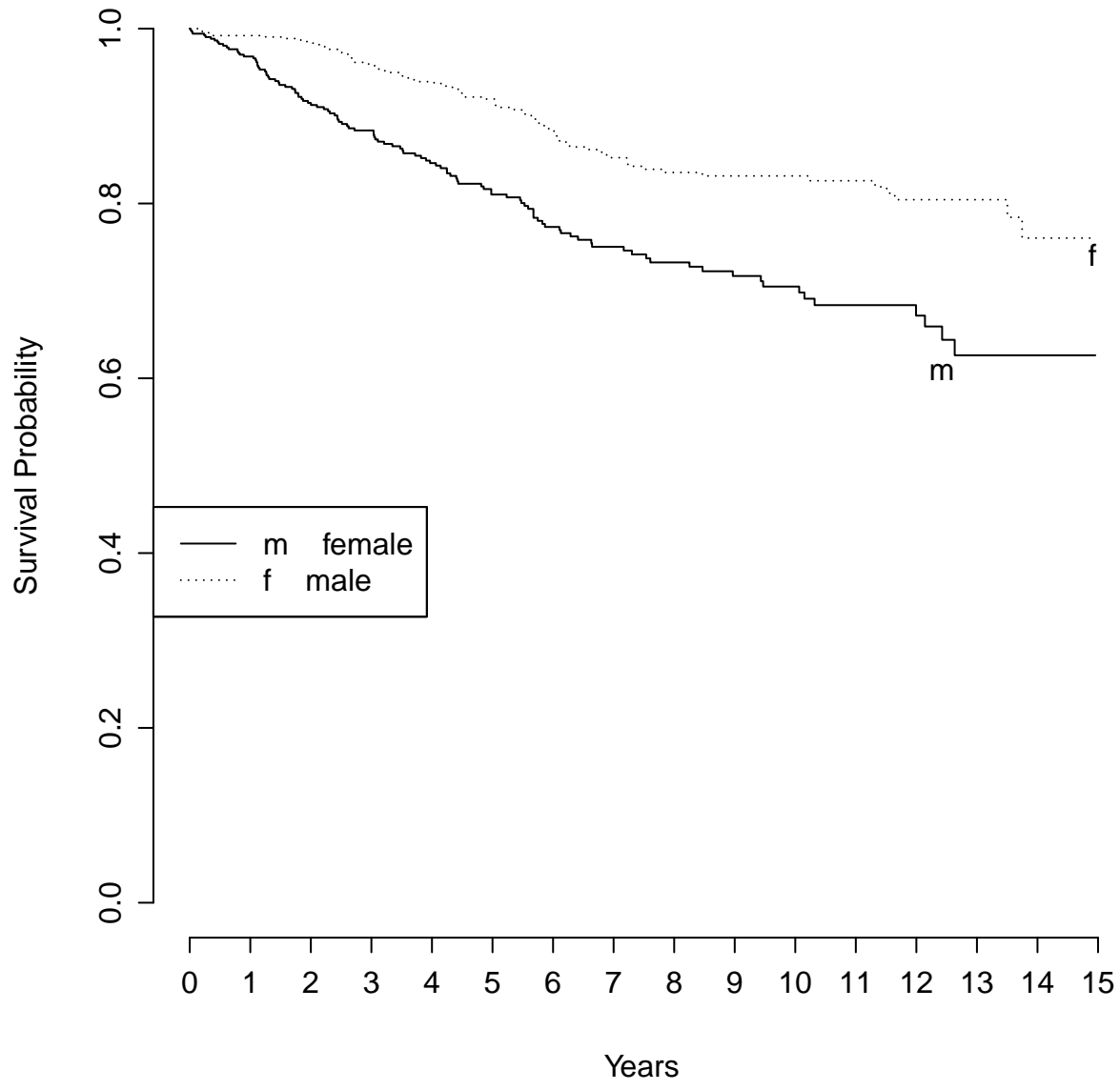




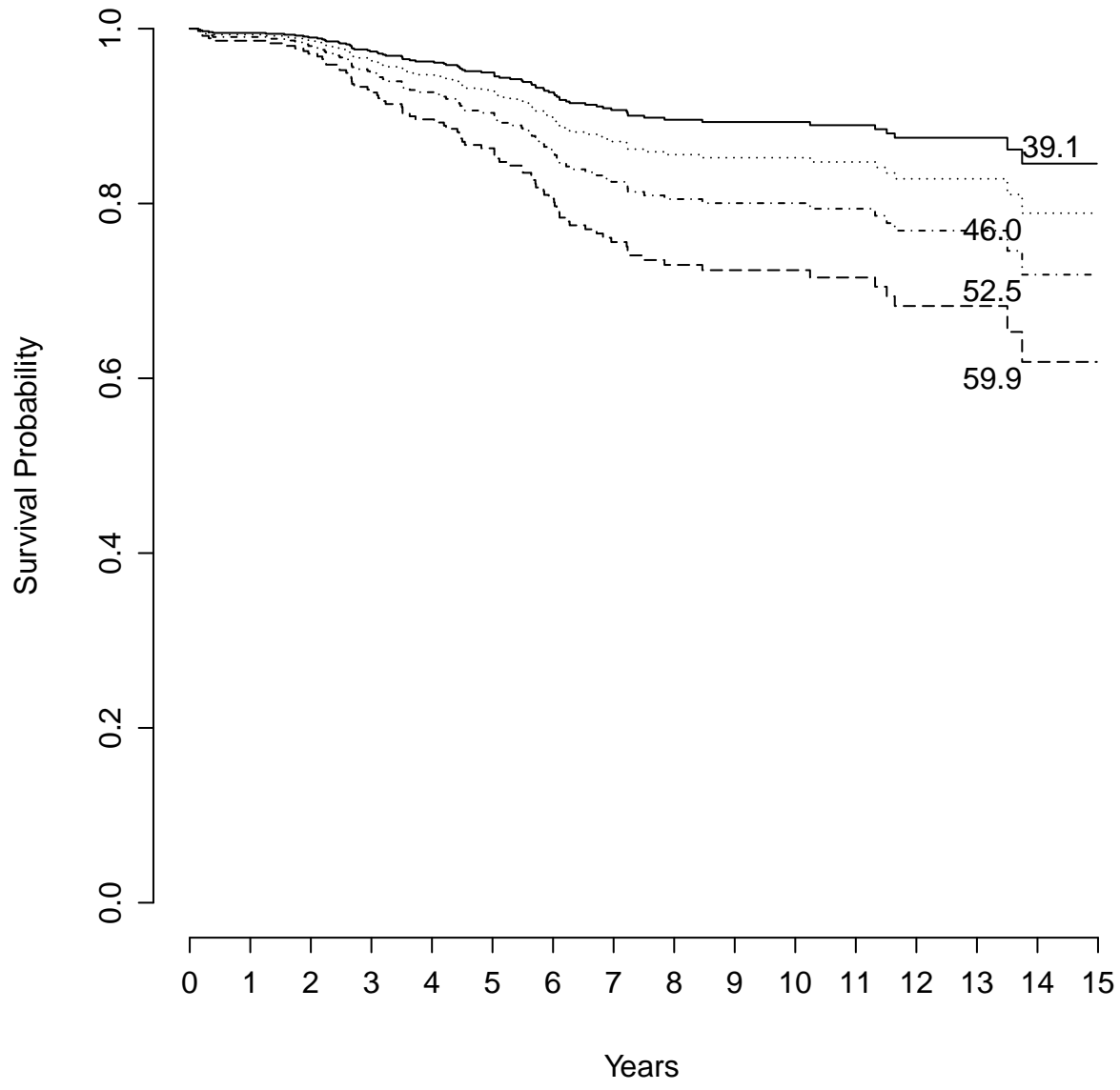
help("survplot")



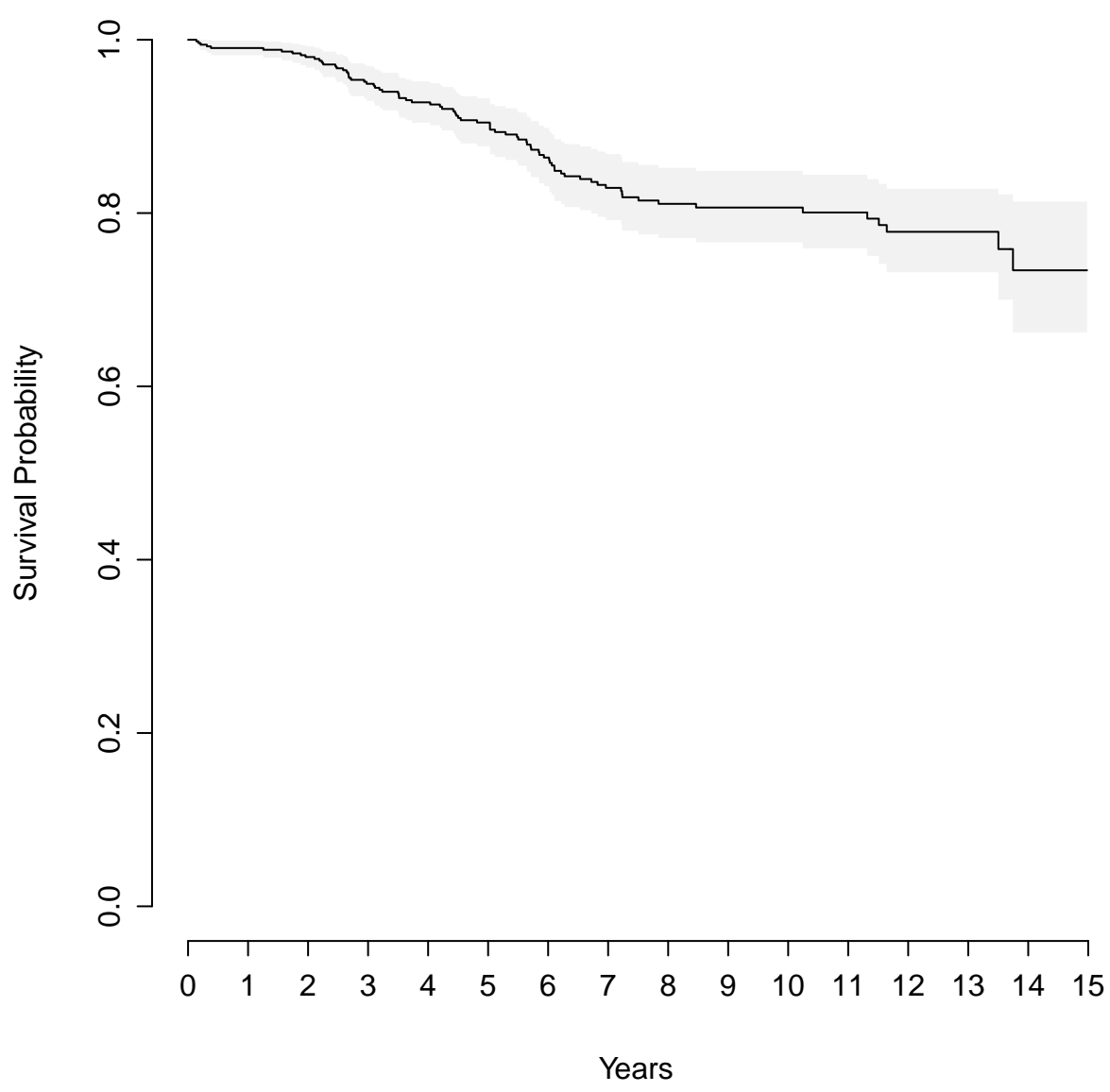
help("survplot")



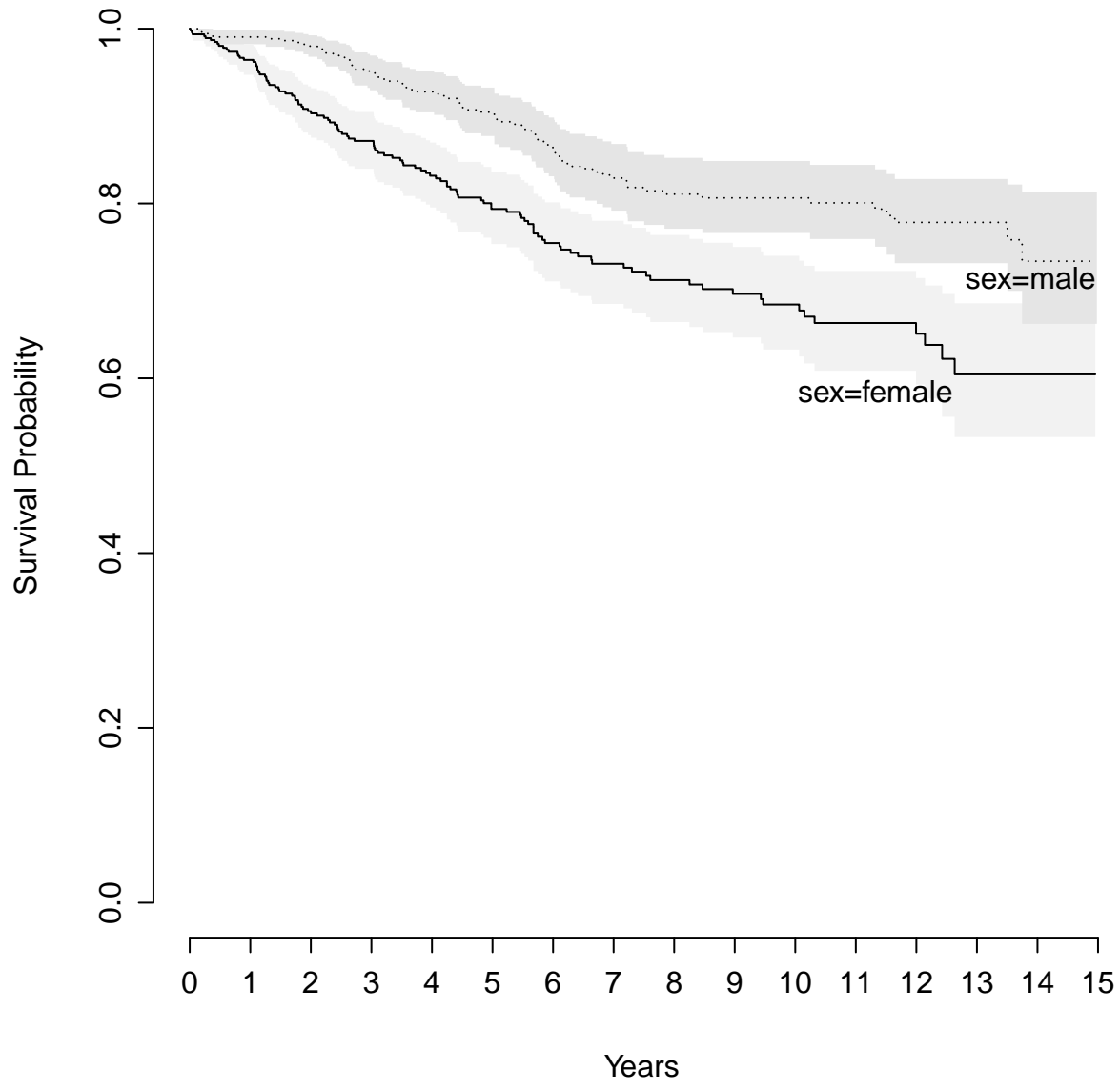
help("survplot")



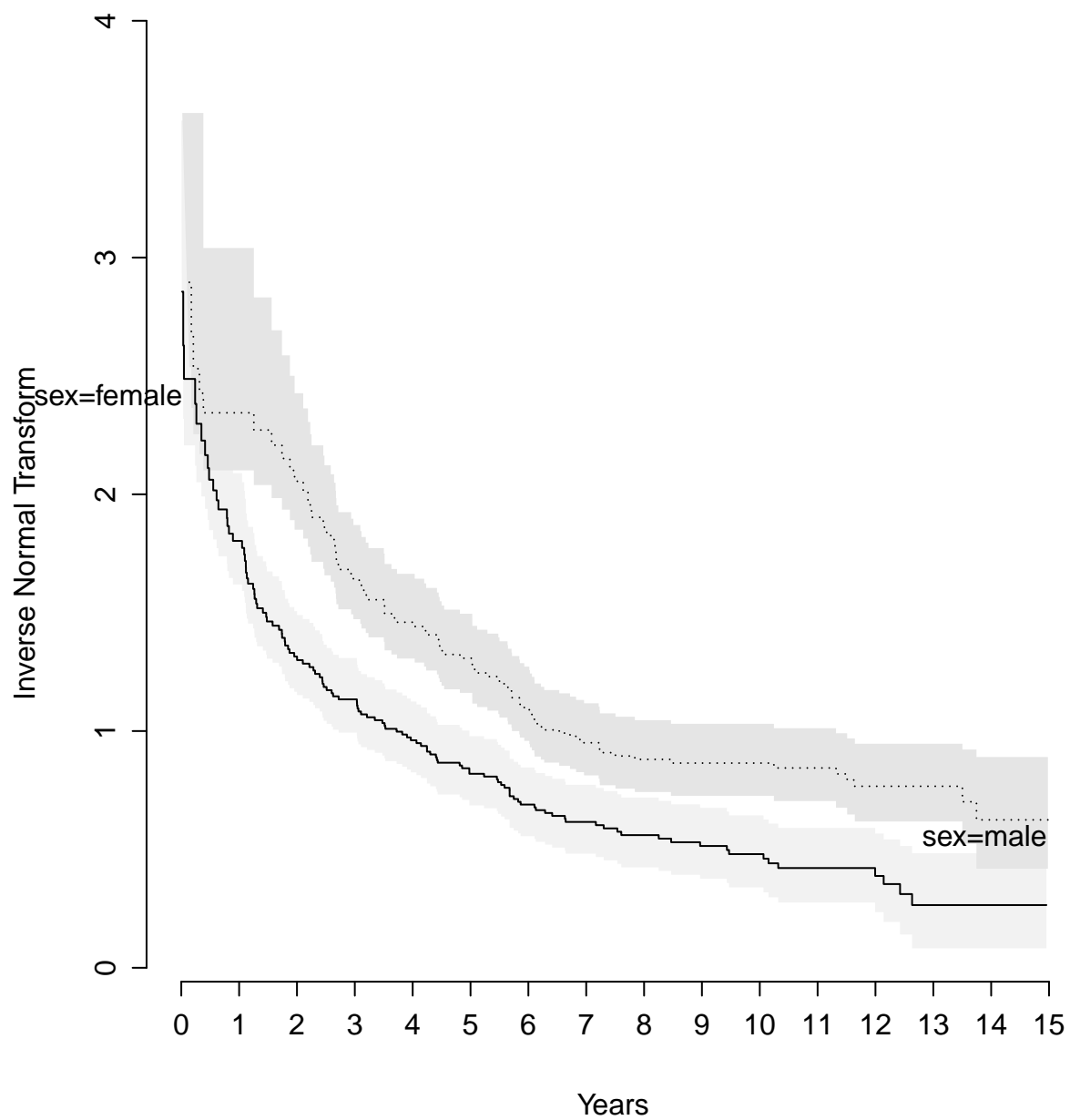
help("survplot")



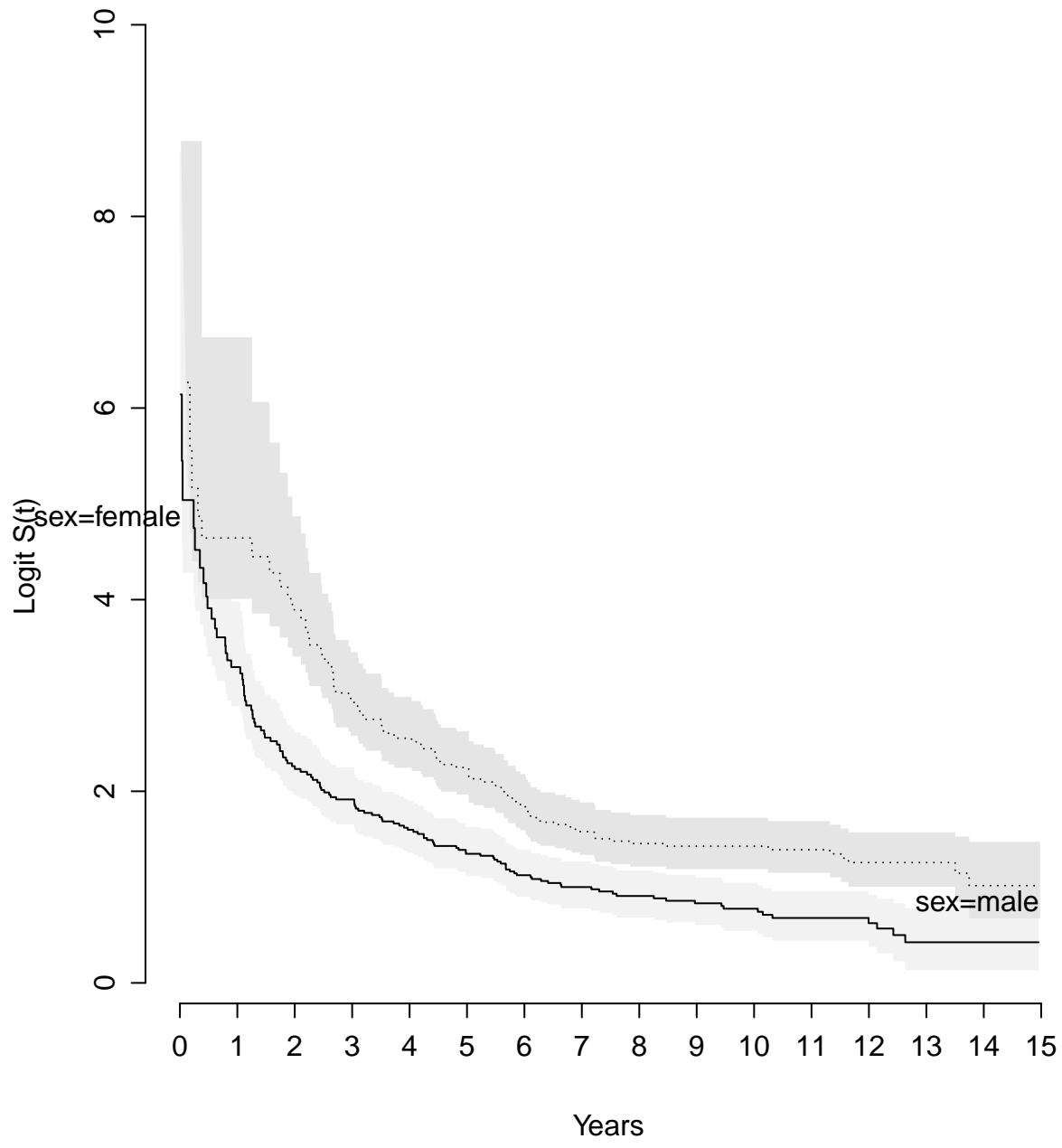
help("survplot")



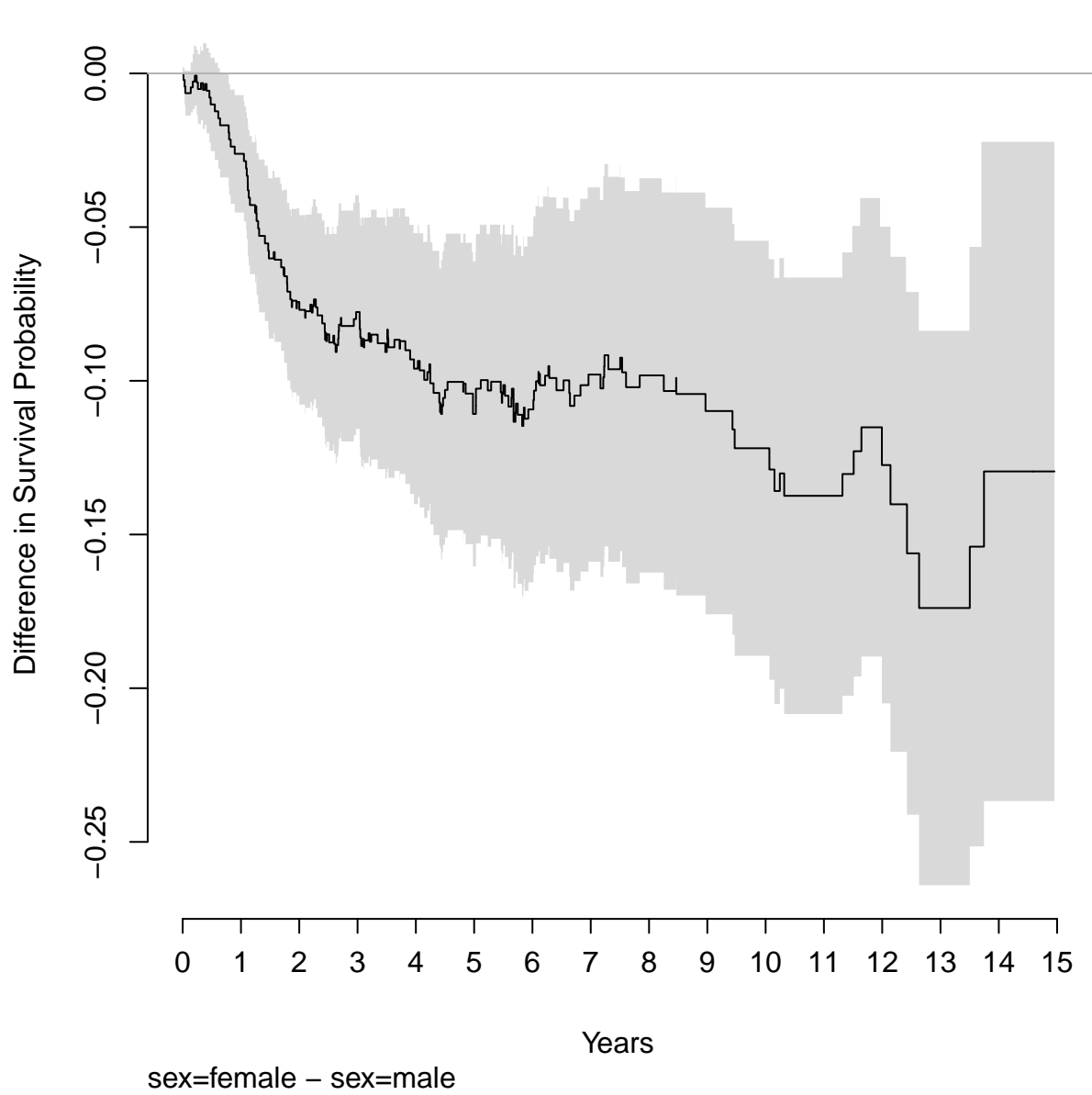
help("survplot")



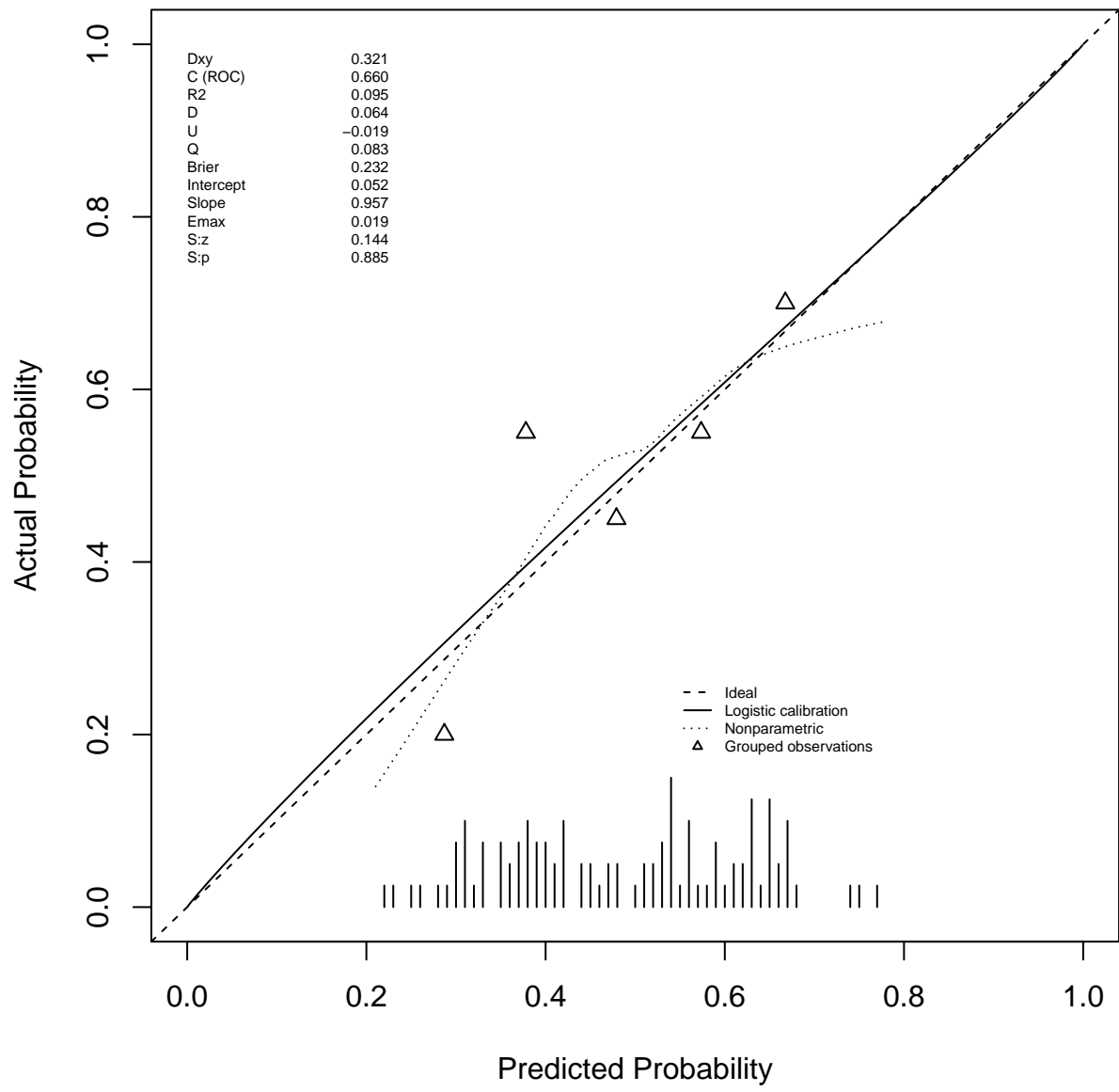
help("survplot")



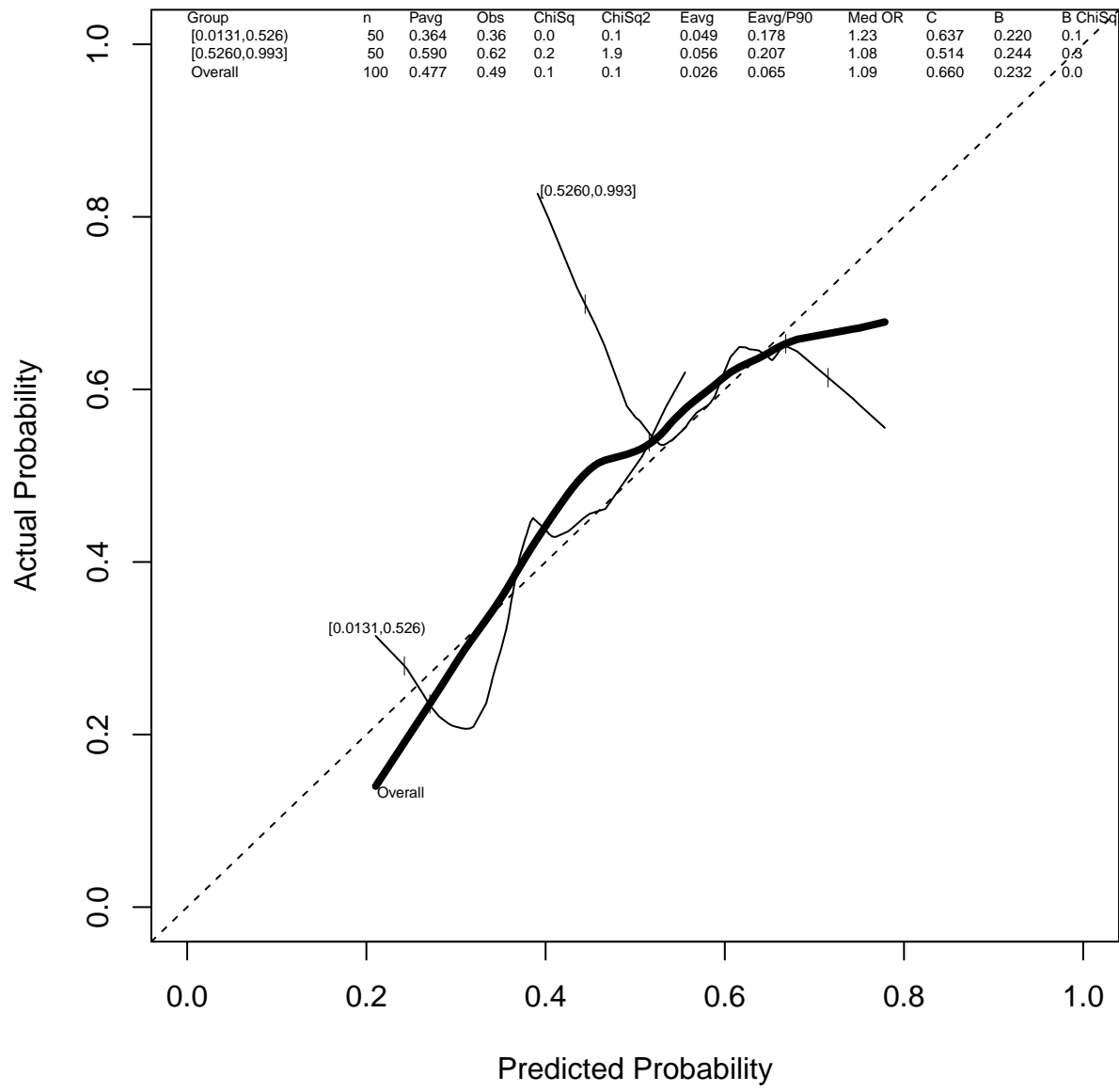
help("survplot")



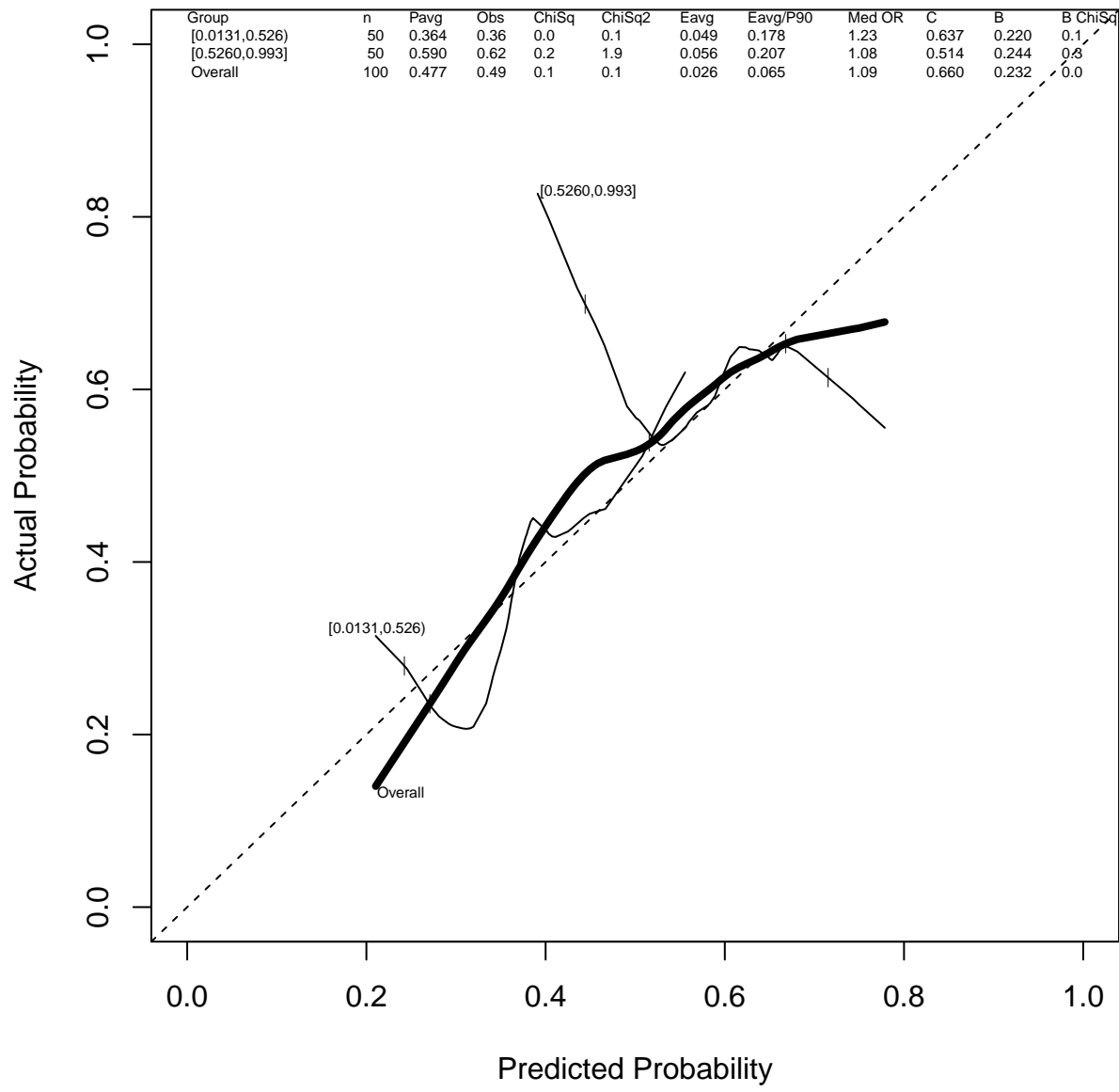
help("survplot")



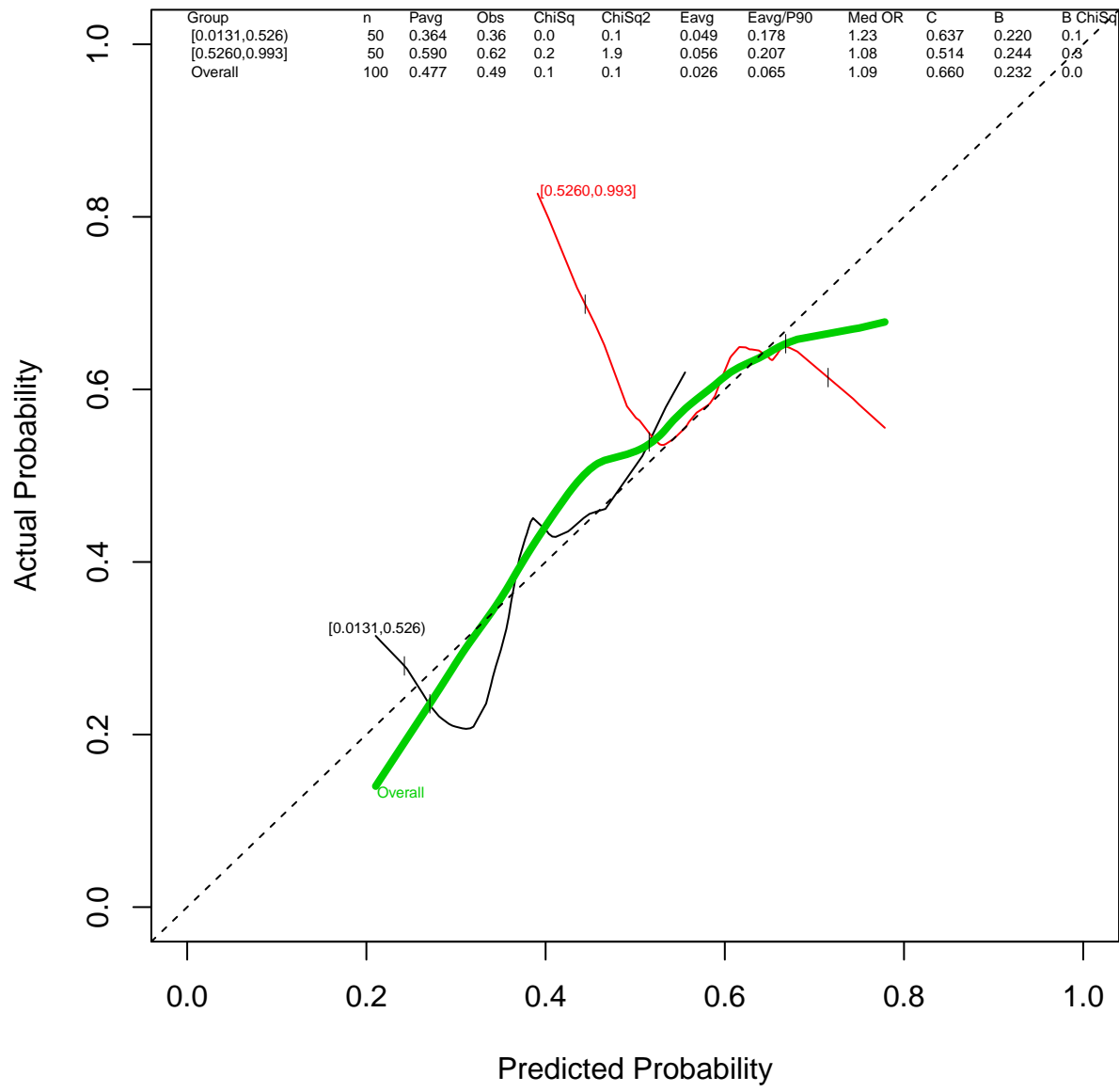
help("val.prob")



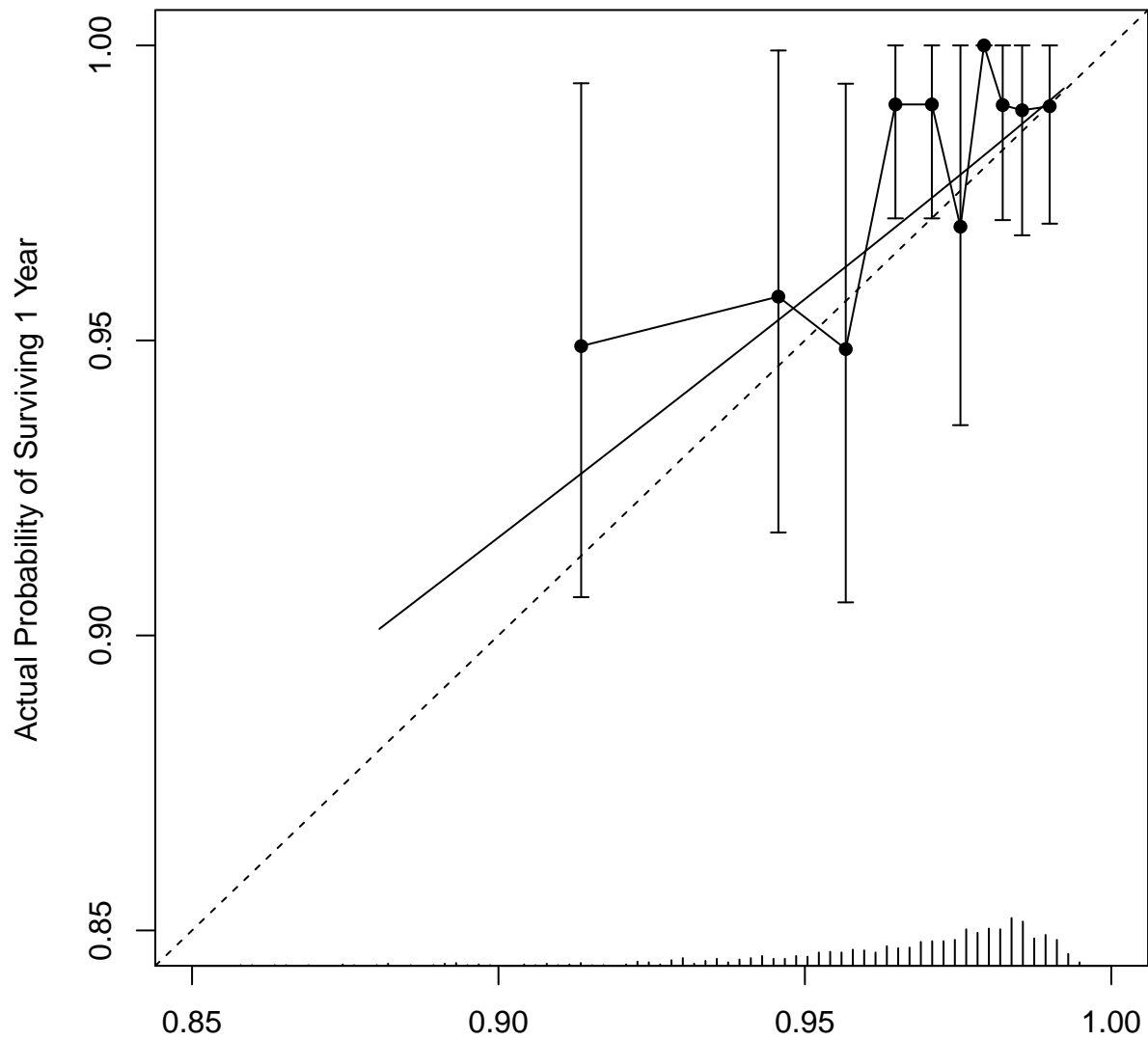
help("val.prob")



help("val.prob")

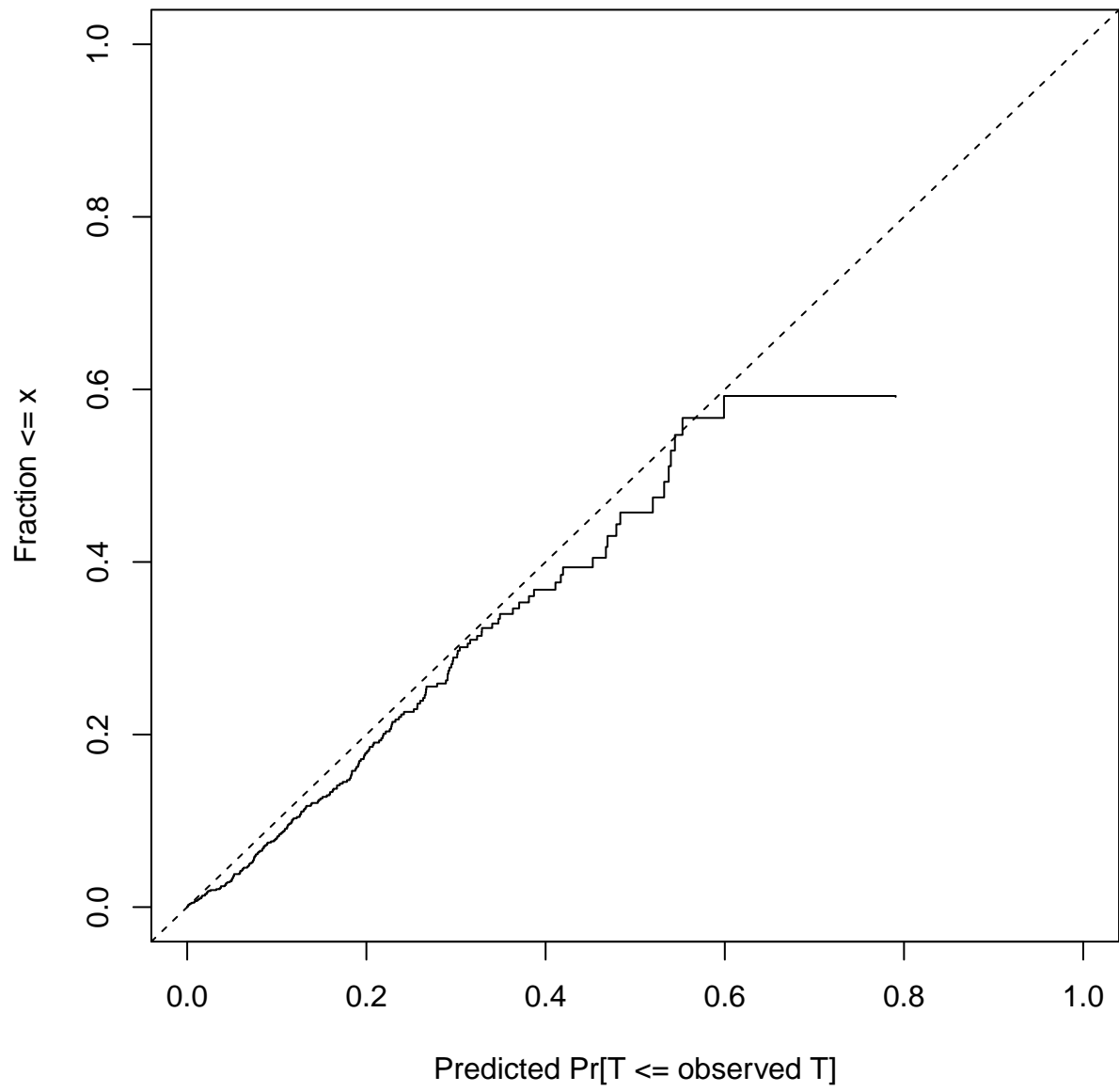


help("\val.prob")

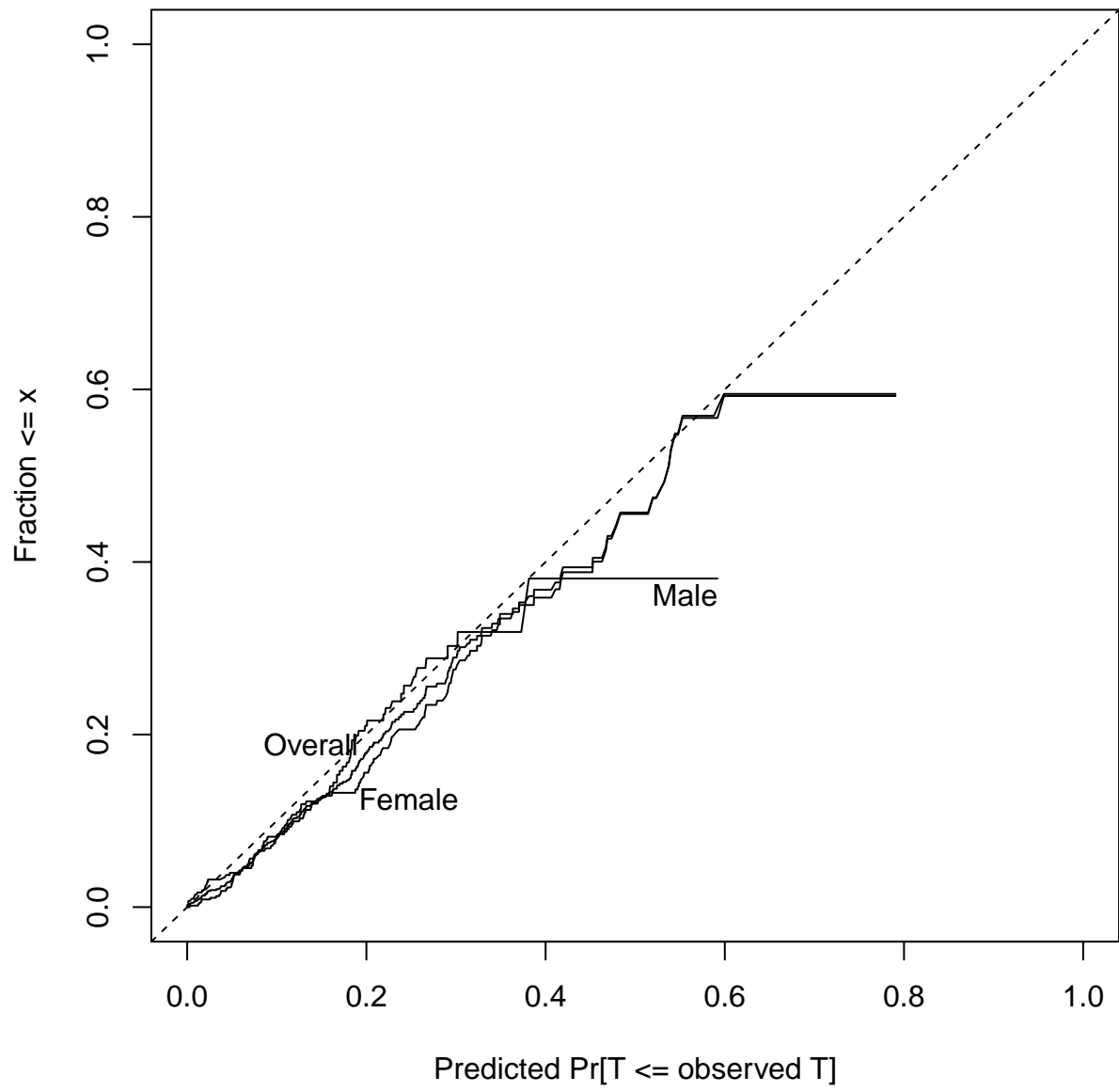


Predicted Probability of Surviving 1 Year
n=1000 d=187, avg. 100 patients per group

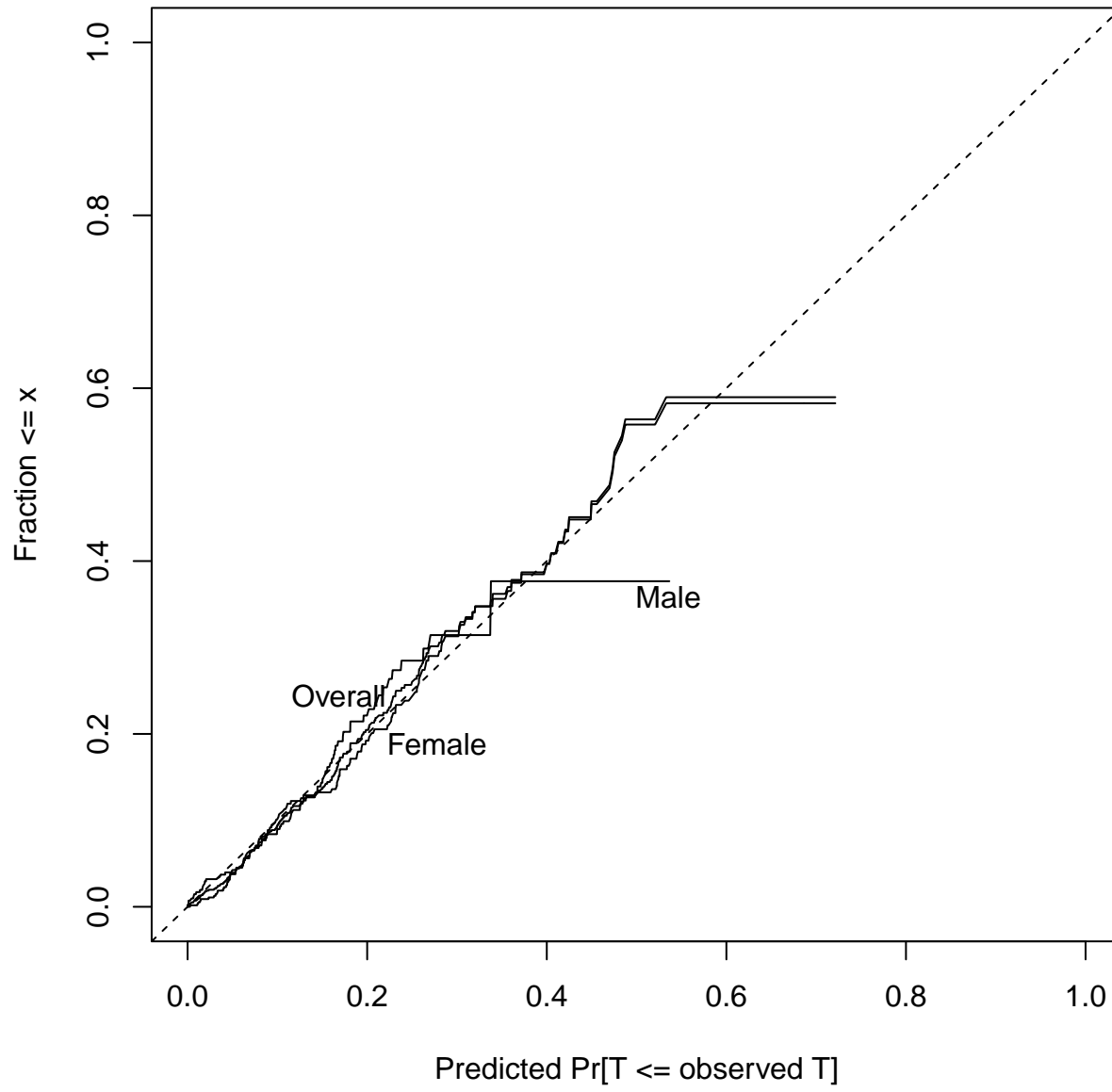
help("val.surv")



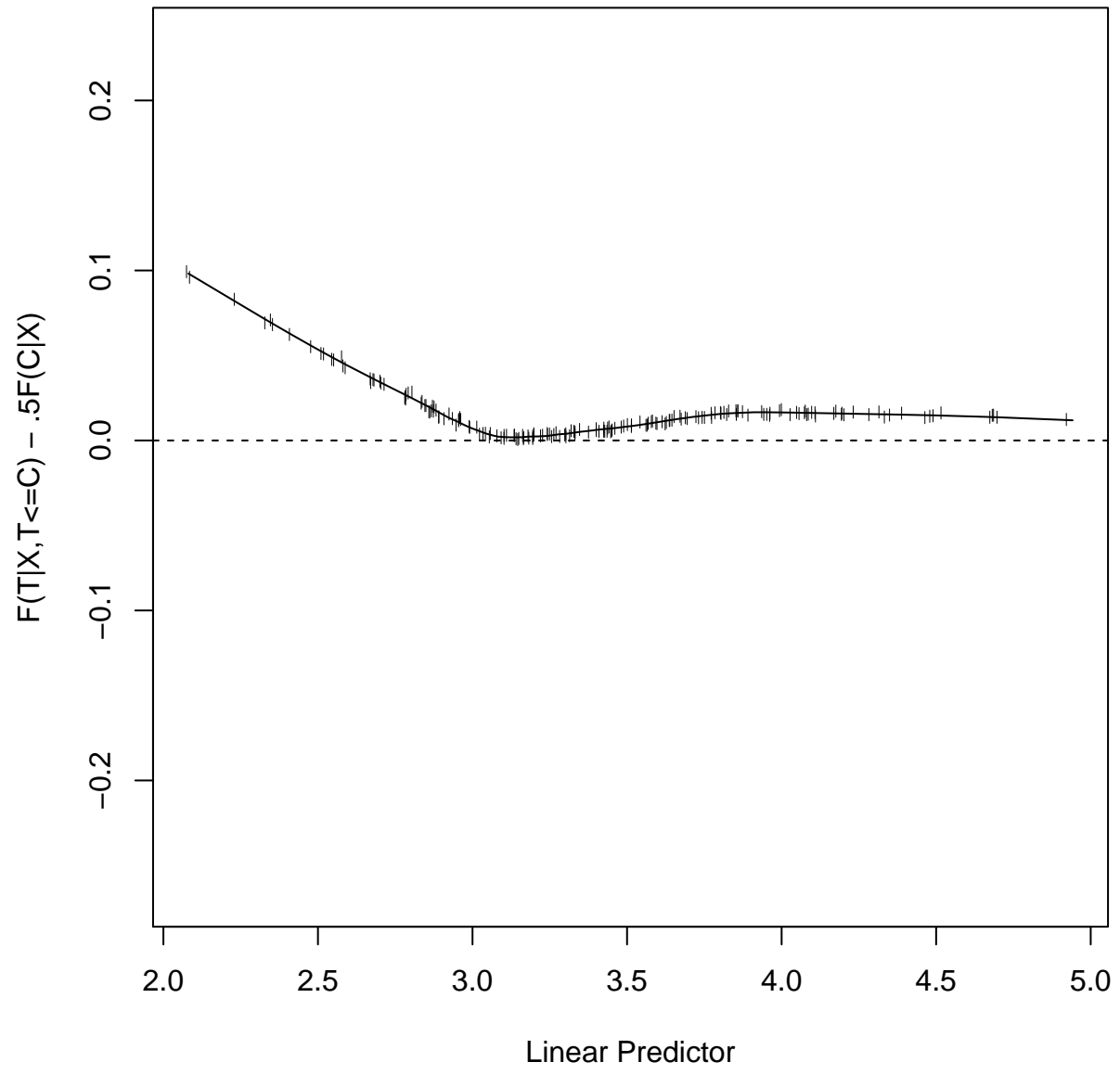
help("val.surv")



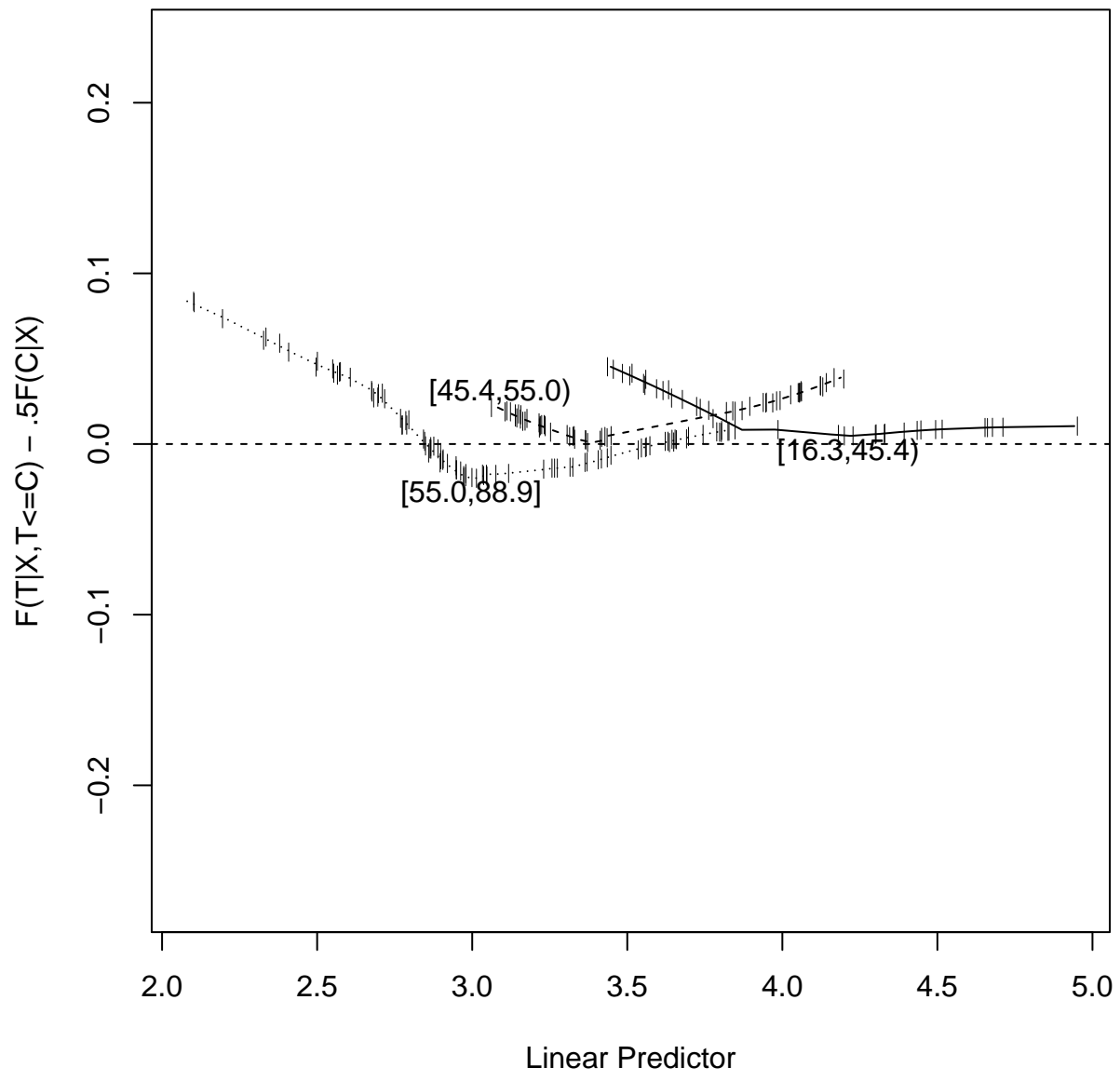
help("val.surv")



[help\("val.surv"\)](#)

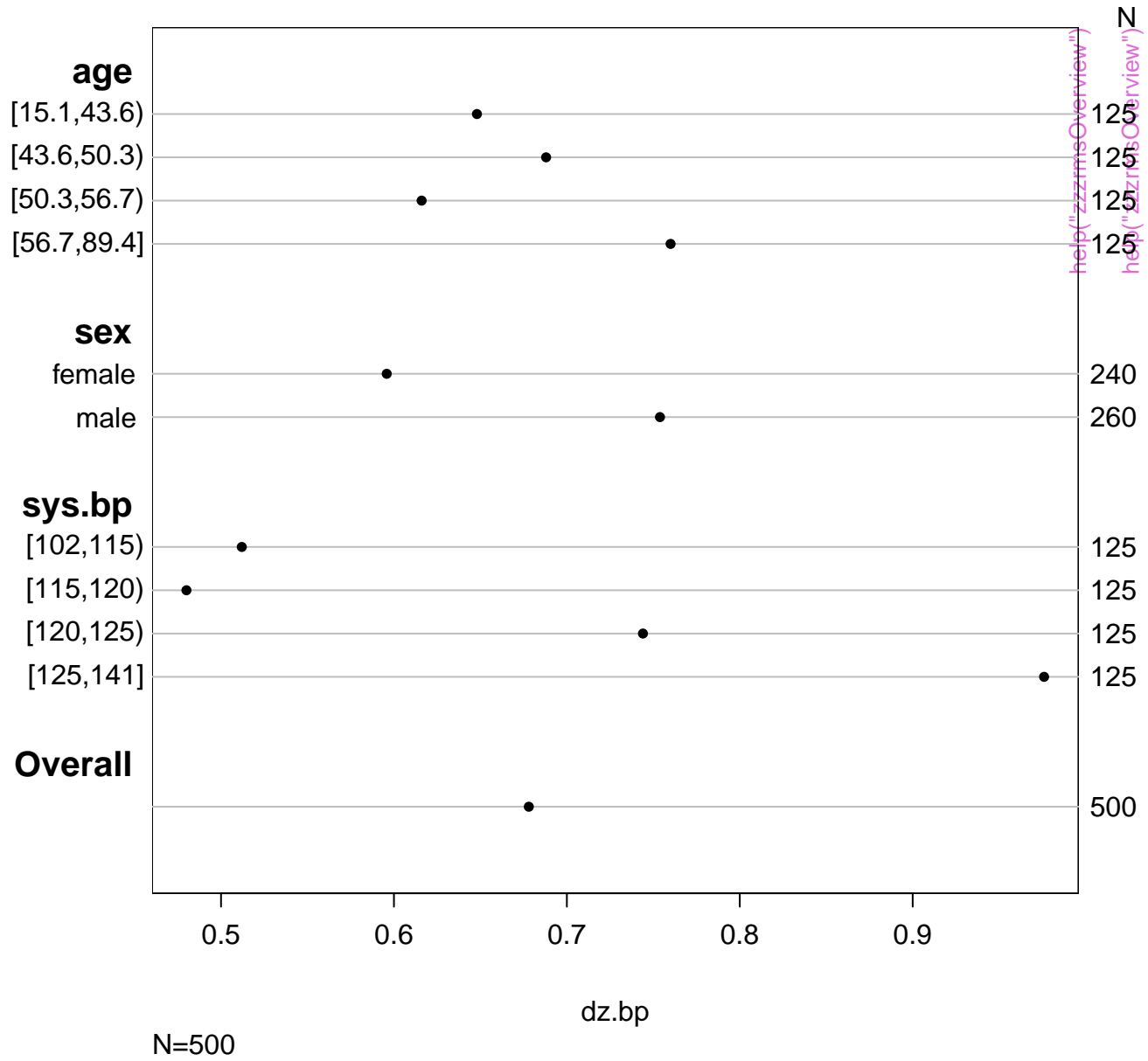


help("val.surv")

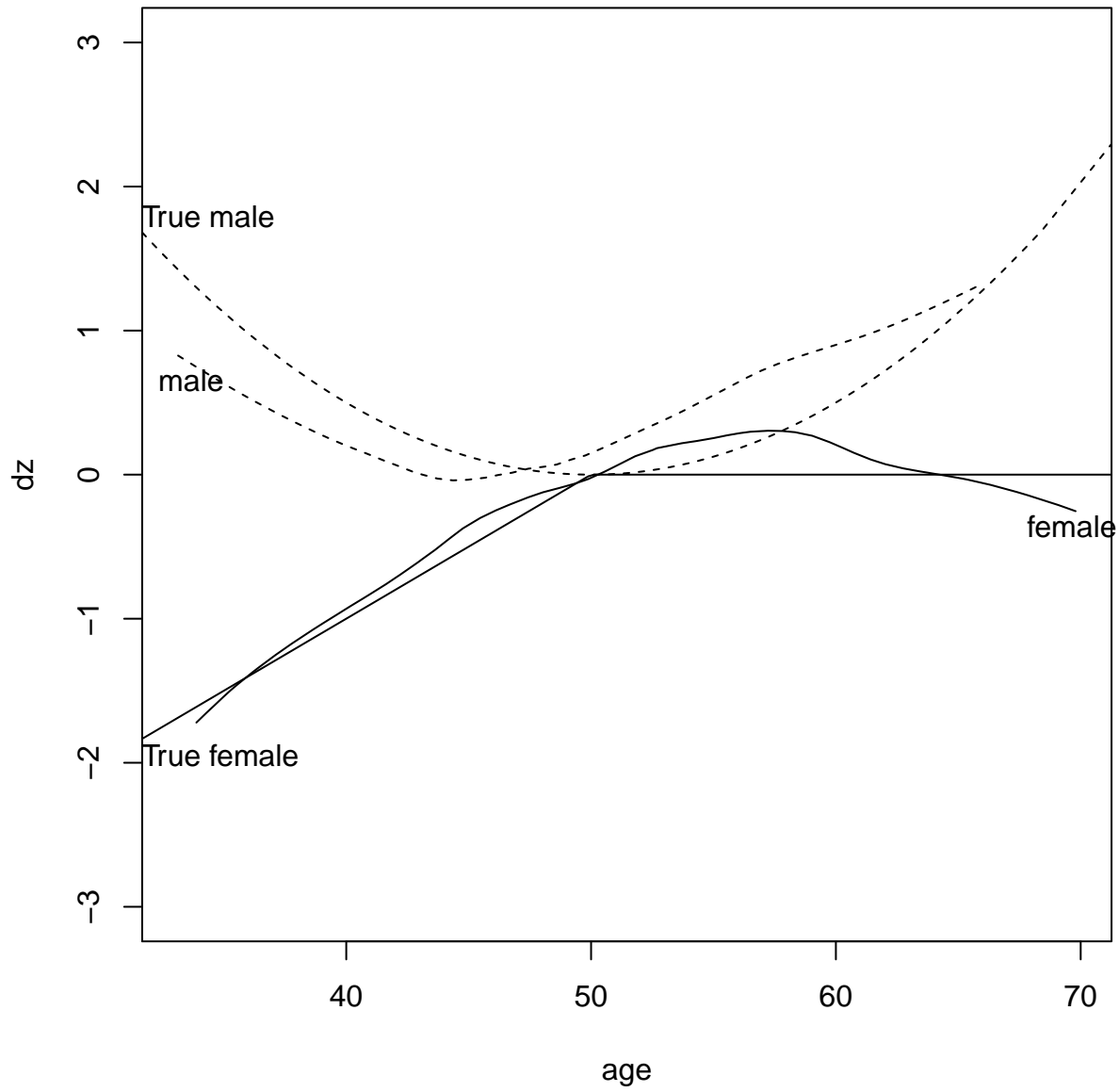


help("val.surv")

mean

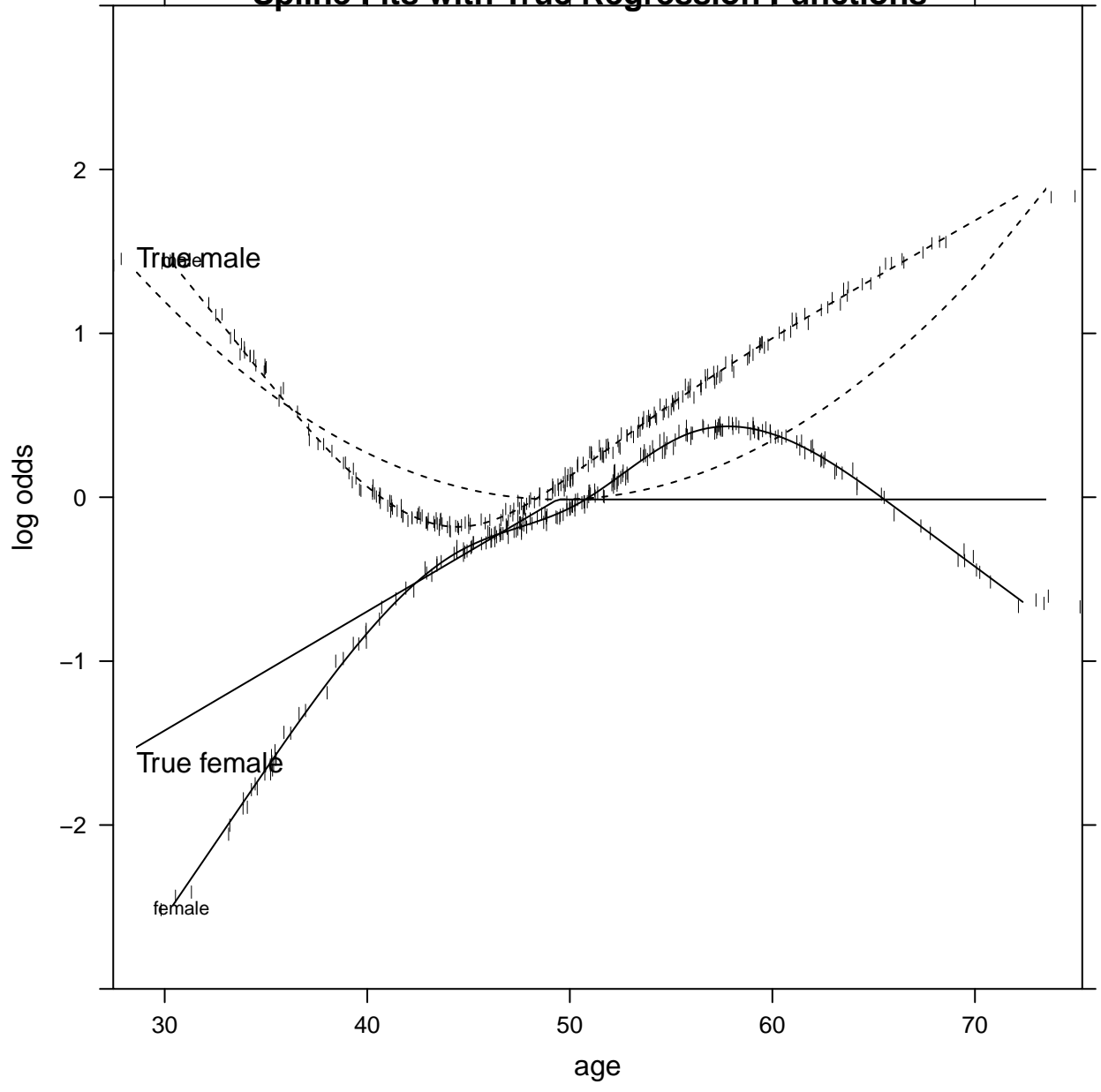


Lowess-smoothed Estimates with True Regression Functions



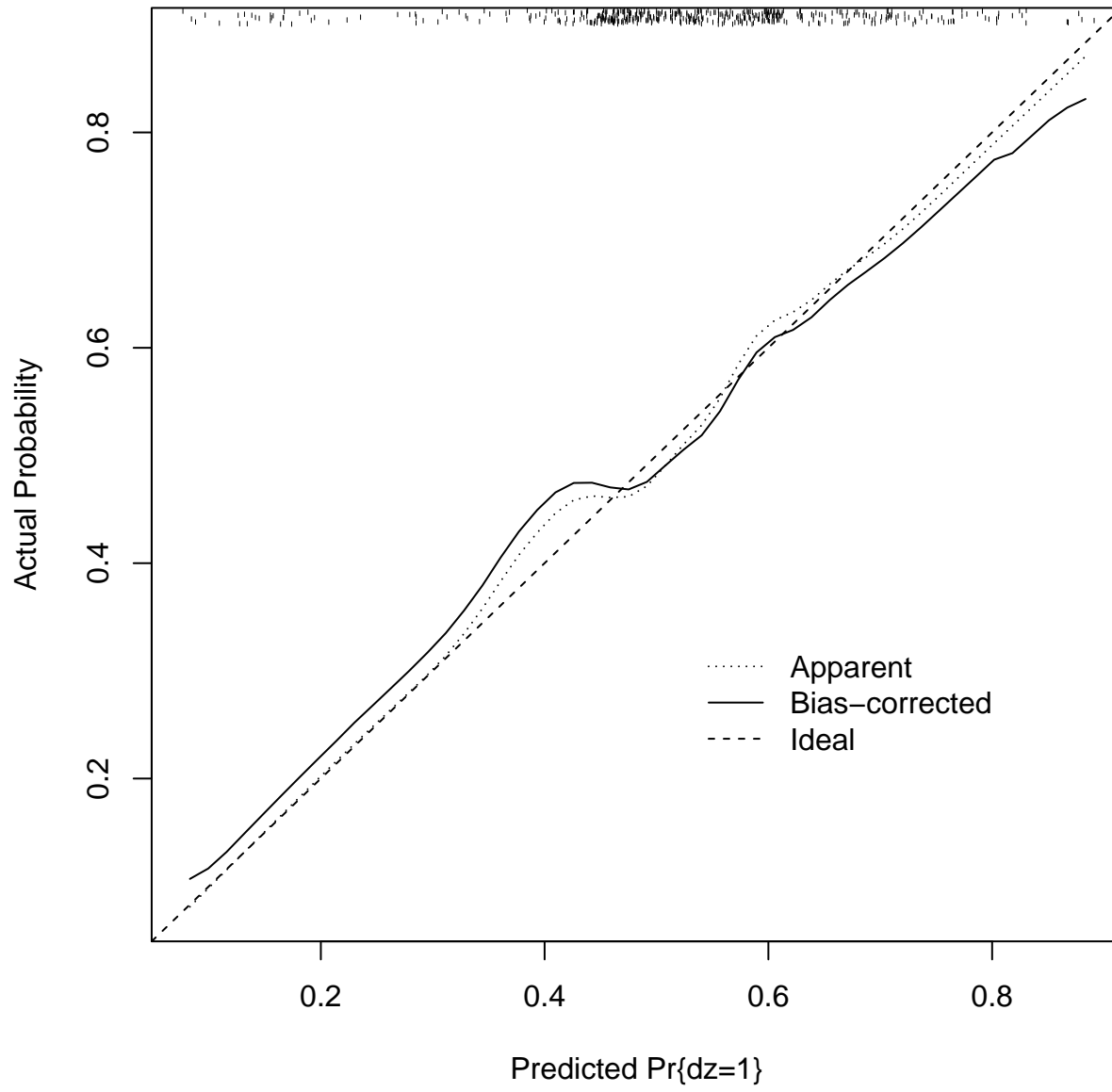
[help\("zzzrmsOverview"\)](#)

Spline Fits with True Regression Functions



help("zzzrmsOverview")

Calibration of Unpenalized Model

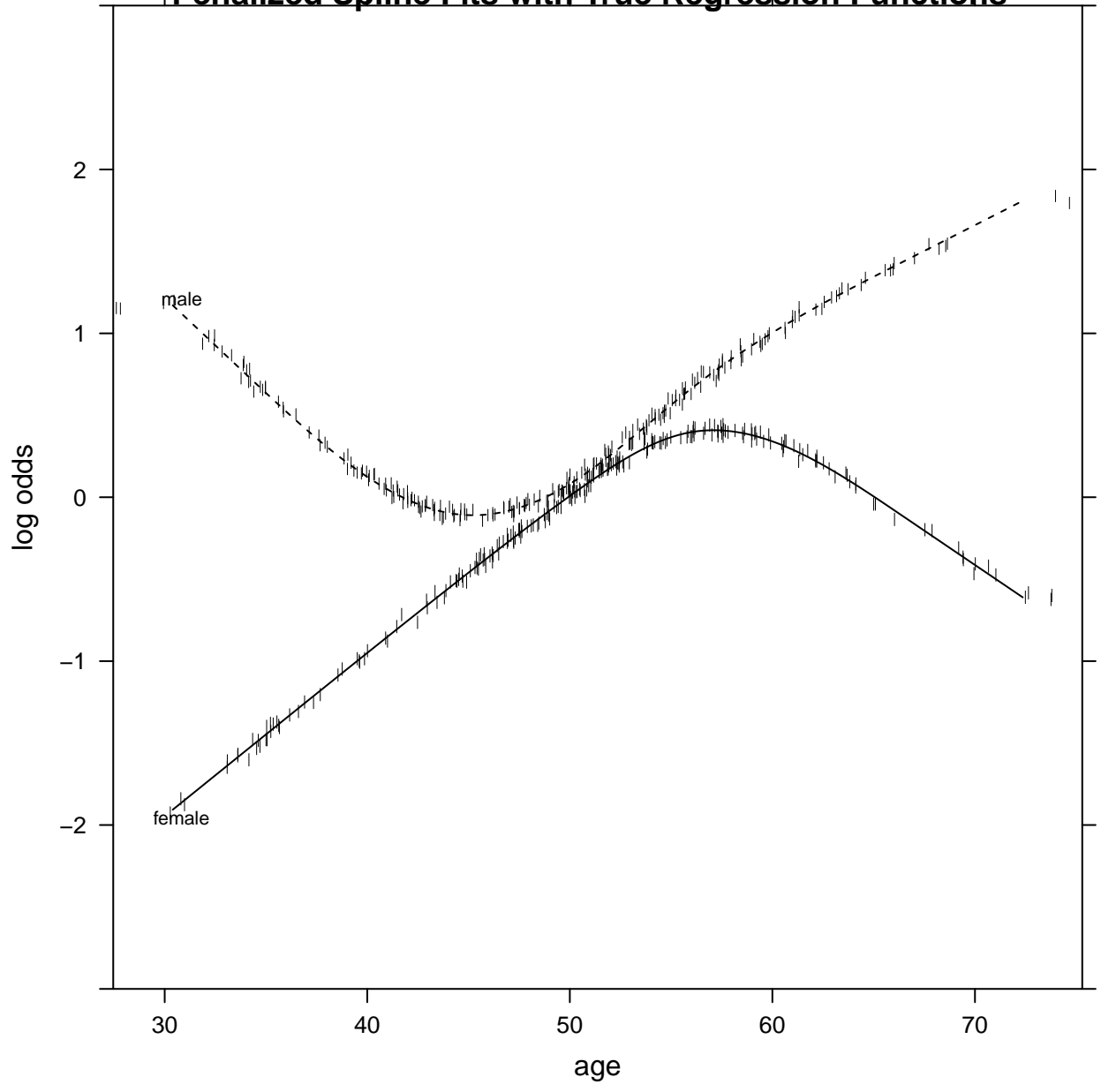


help("zzrmsOverview")

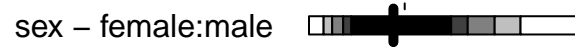
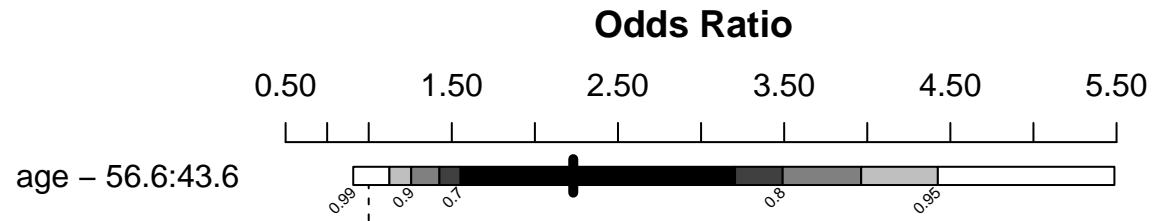
B= 25 repetitions, boot

Mean absolute error=0.017 n=500

Penalized Spline Fits with True Regression Functions

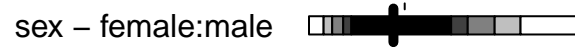
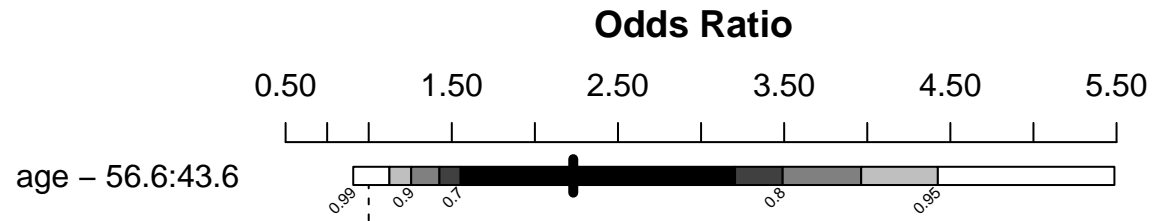


[help\("zzzrmsOverview"\)](#)



Adjusted to:age=50.3 sex=male

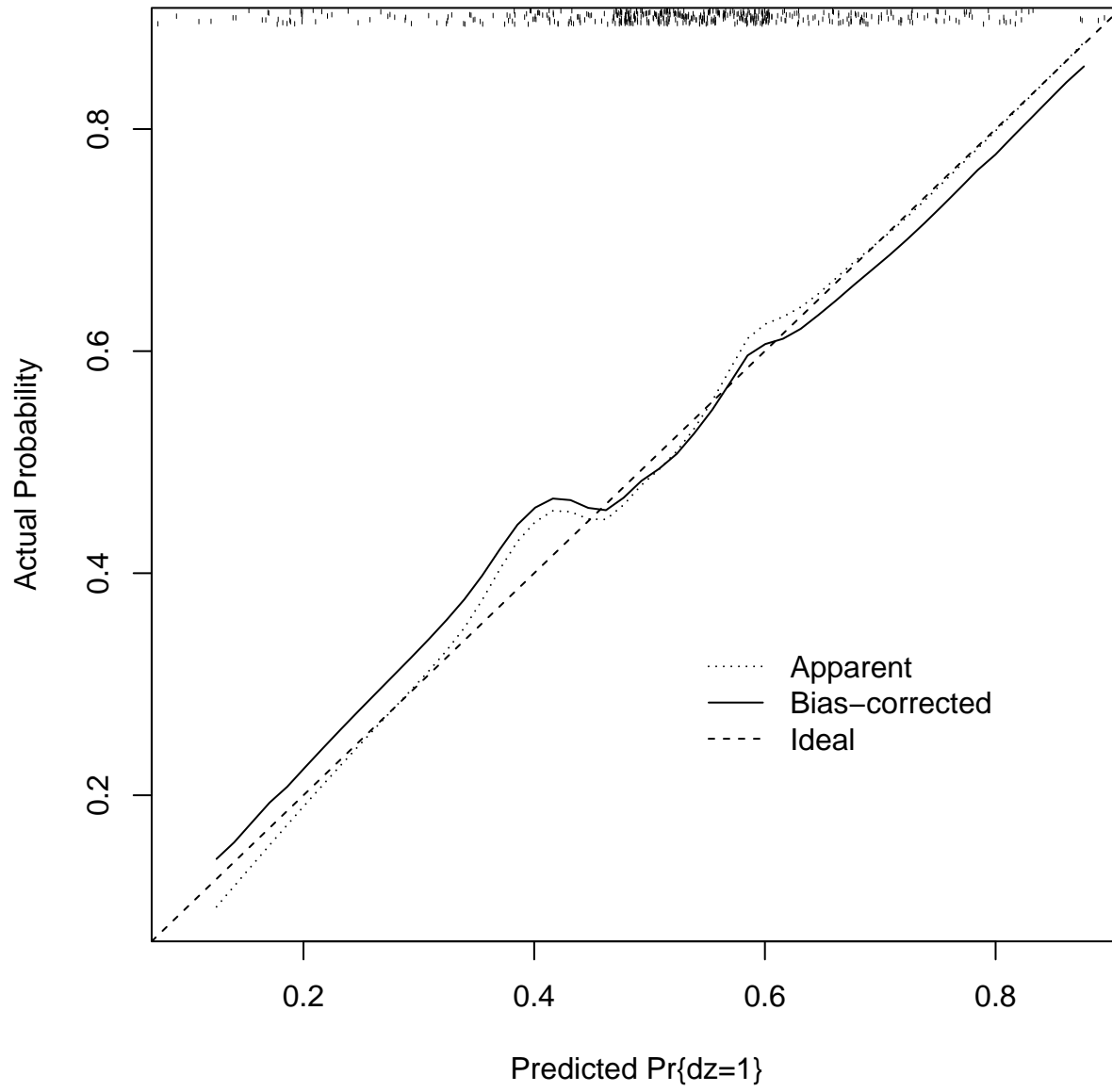
help("zdzajpx's@zrzms@w@rview")



Adjusted to:age=50.3 sex=male

help("zdzajpxtszazmszwrview")

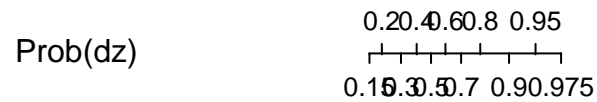
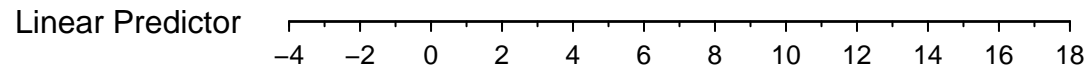
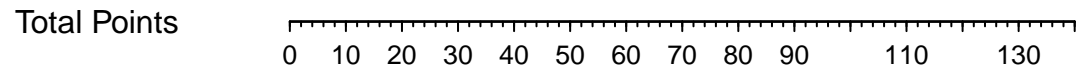
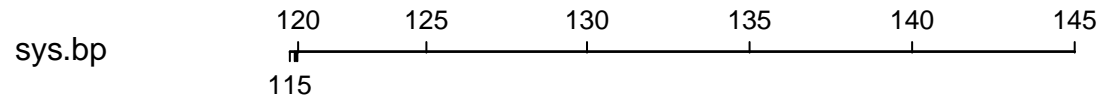
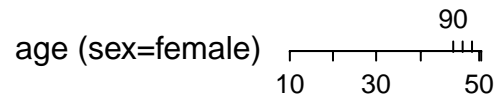
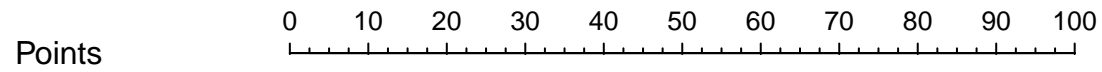
Calibration of Penalized Model



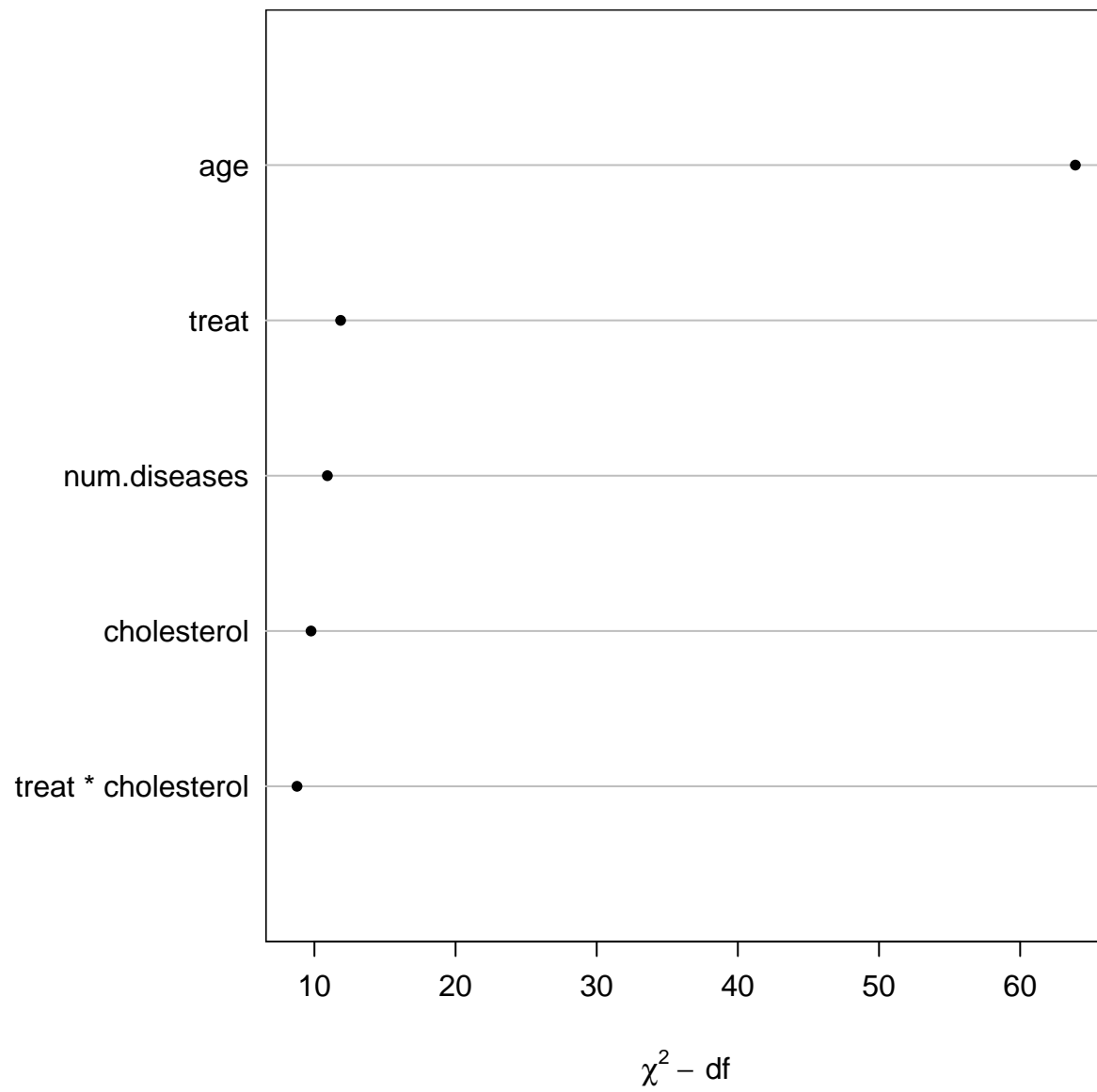
B= 40 repetitions, boot

Mean absolute error=0.017 n=500

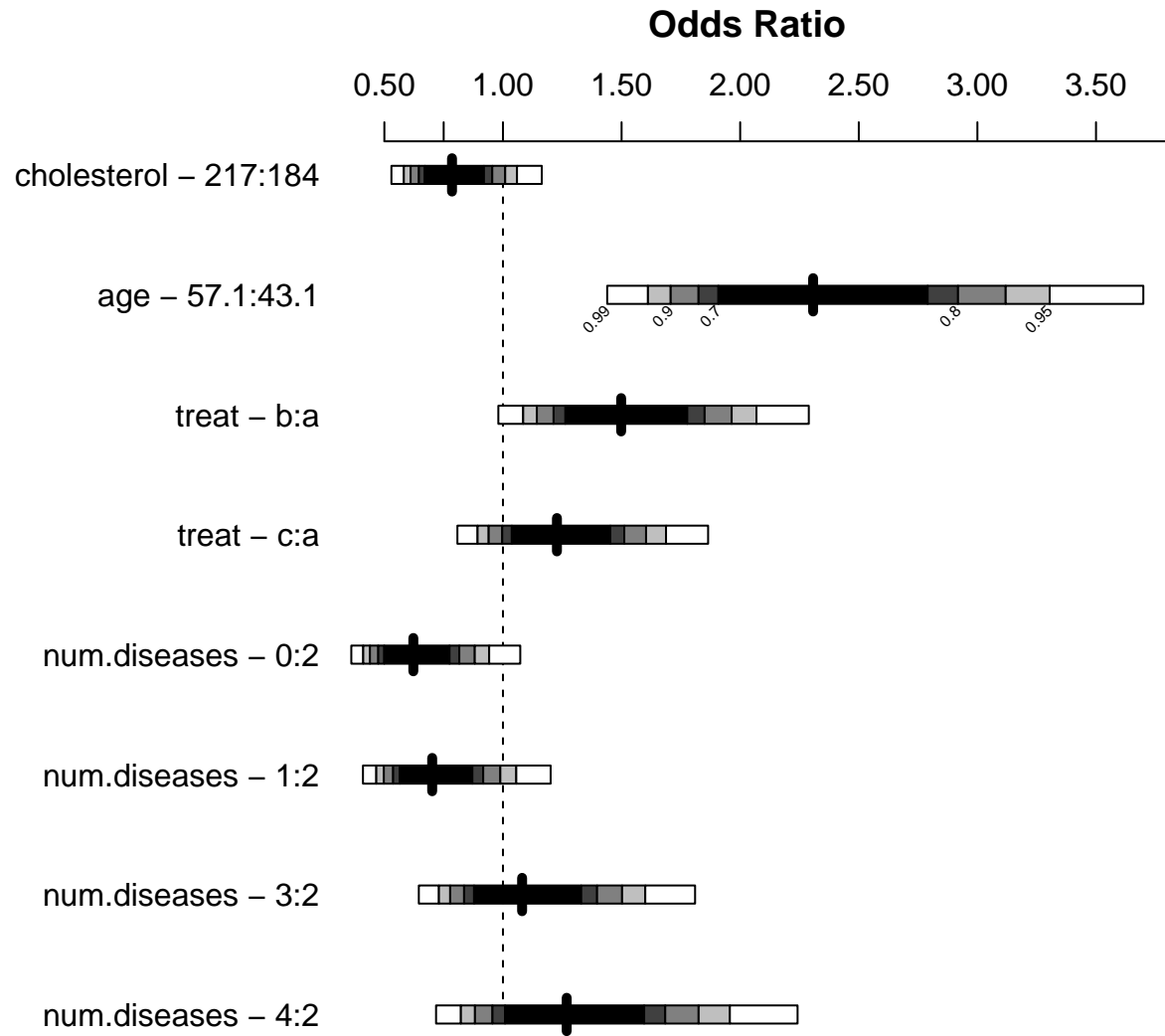
help("zzrmsOverview")



help("zzzrmsOverview")

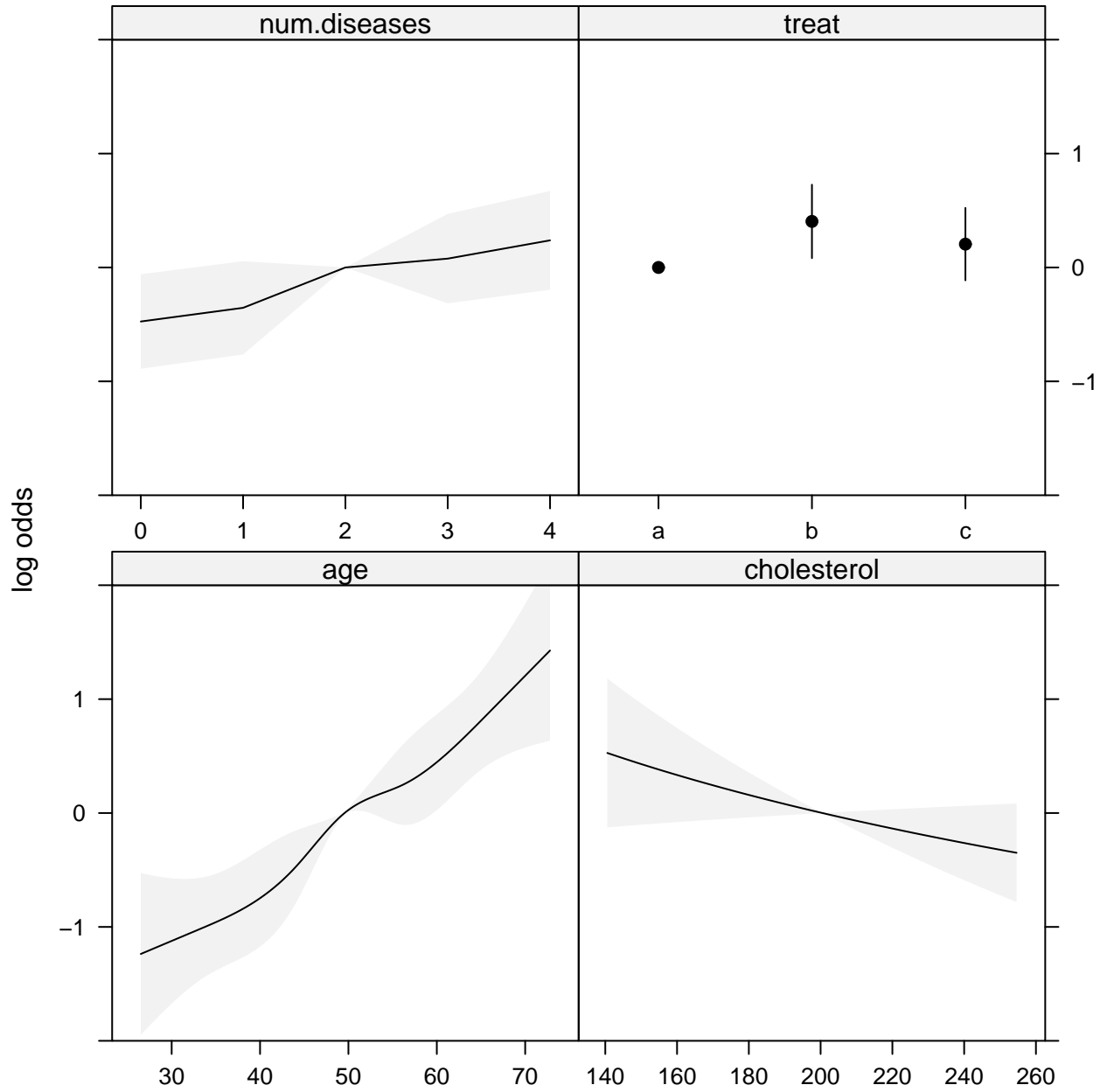


help("zzzrmsOverview")

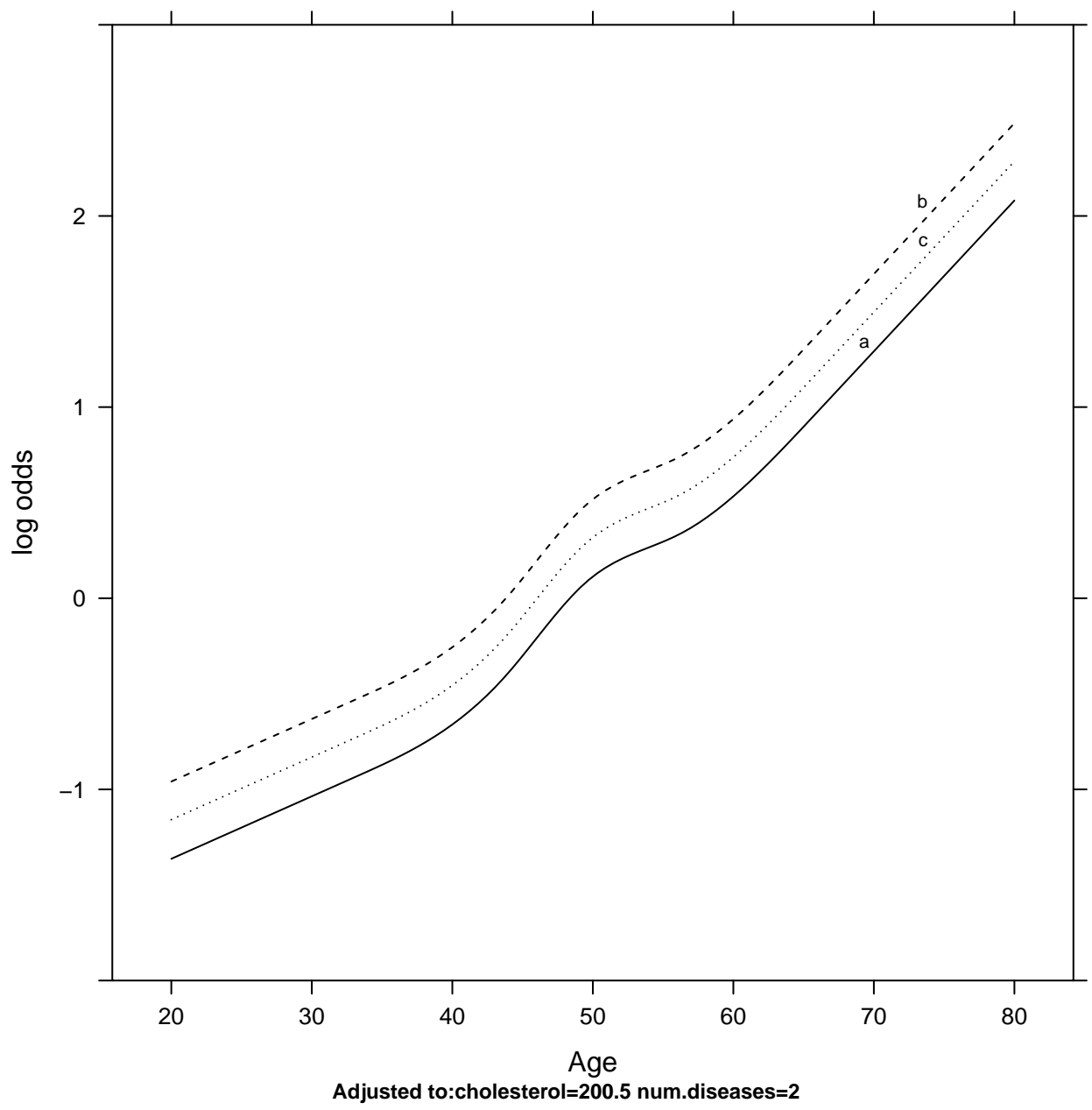


help("zsfairts@zems@wvview")

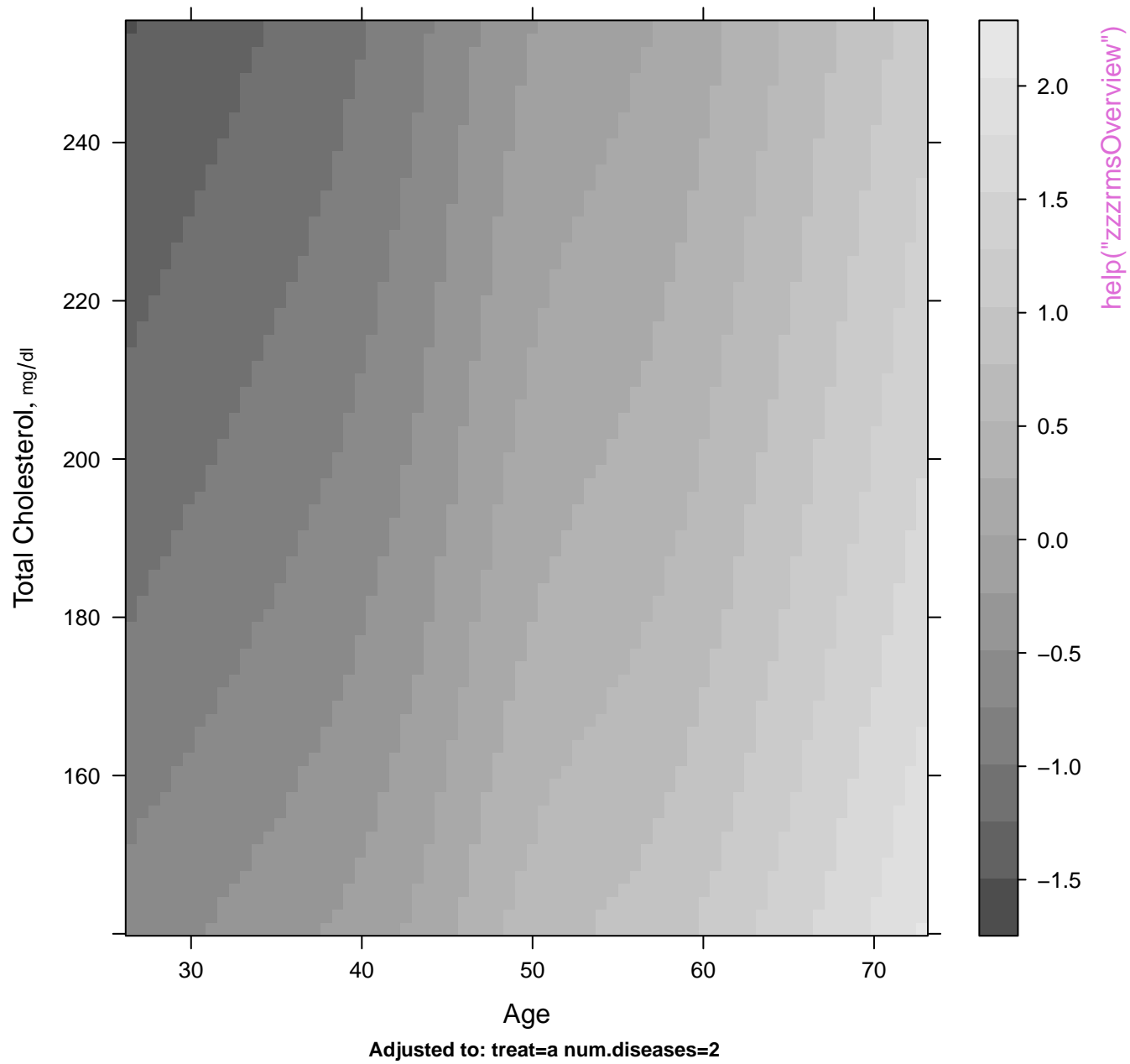
Adjusted to:treat=a cholesterol=200

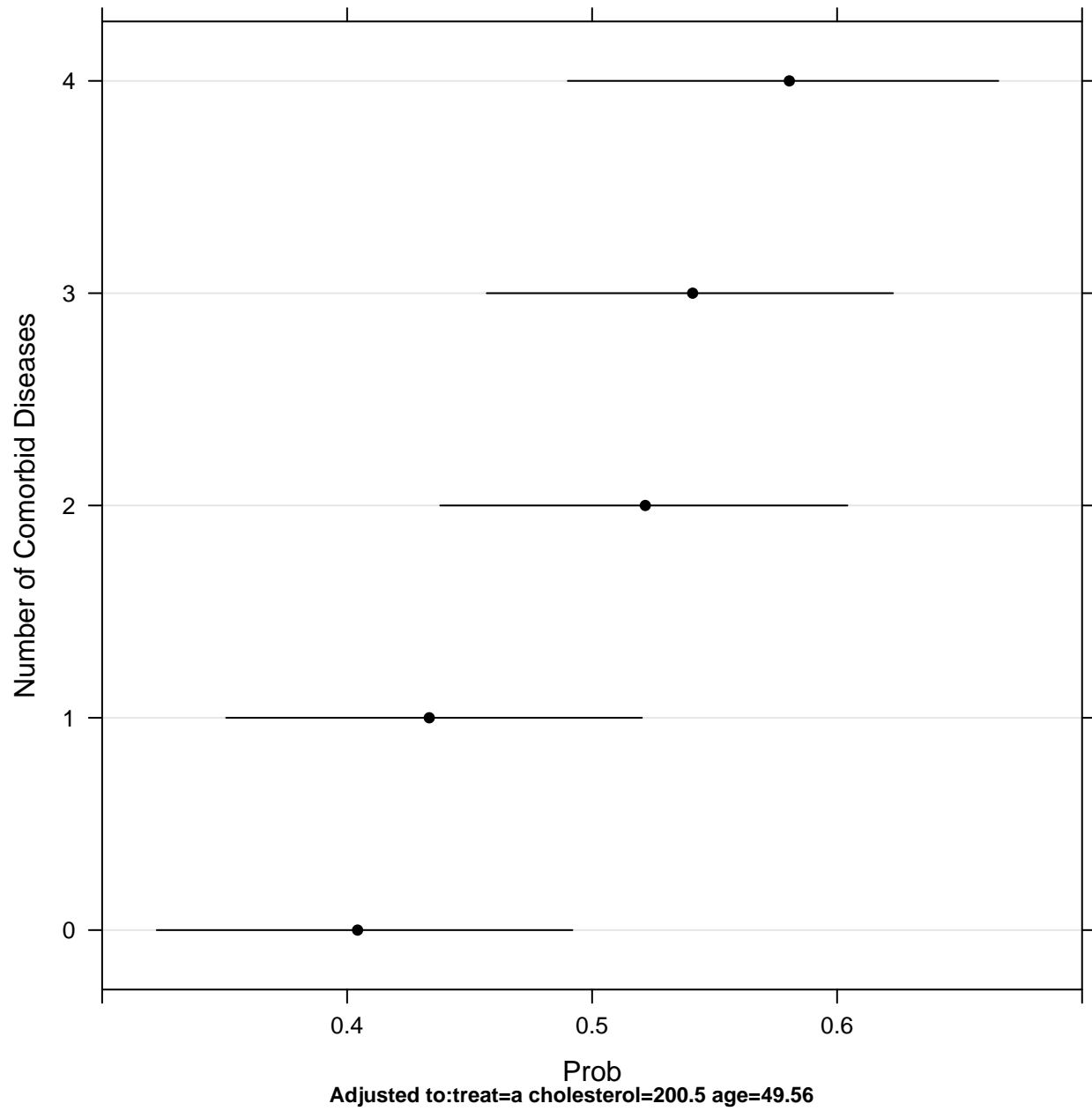


help("zzzrmsOverview")

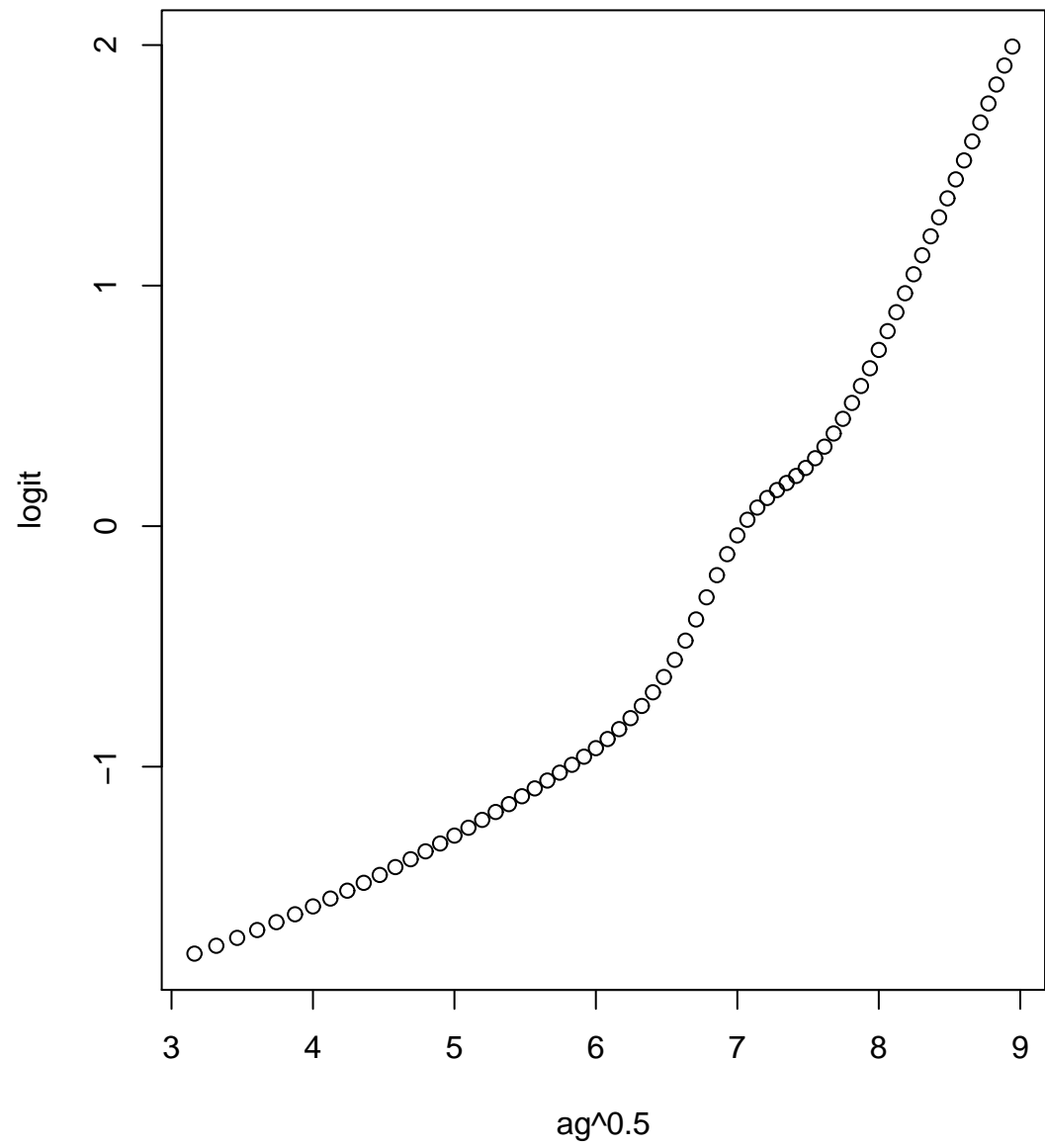


[help\("zzzrmsOverview"\)](#)

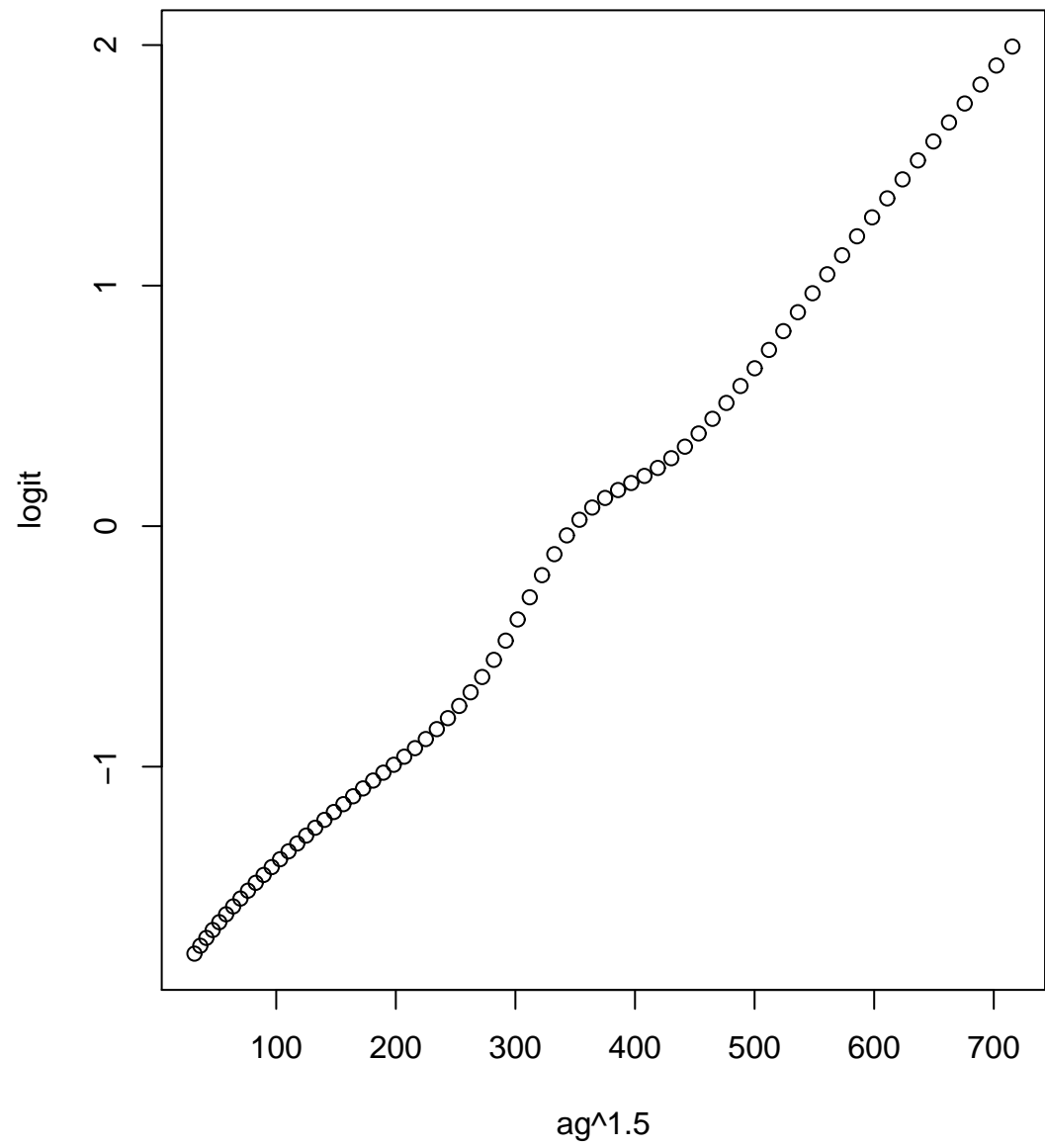




[help\("zzzrmsOverview"\)](#)

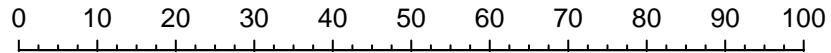


[help\("zzirmsOverview"\)](#)

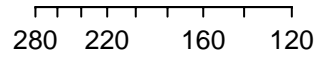


[help\("zzrmsOverview"\)](#)

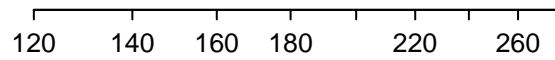
Points



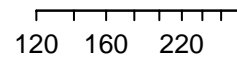
cholesterol
(treat=a)



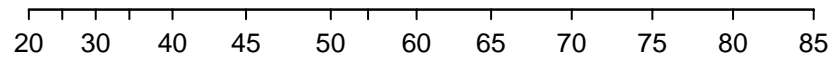
cholesterol
(treat=b)



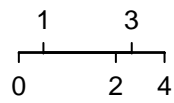
cholesterol
(treat=c)



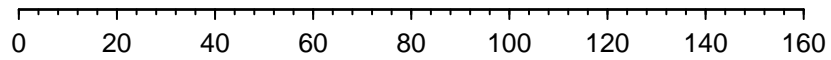
Age



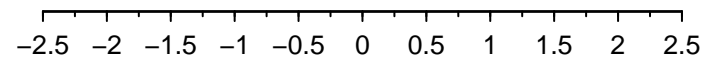
Number of
Comorbid
Diseases



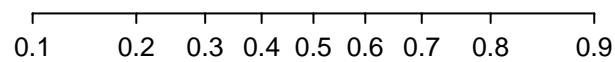
Total Points



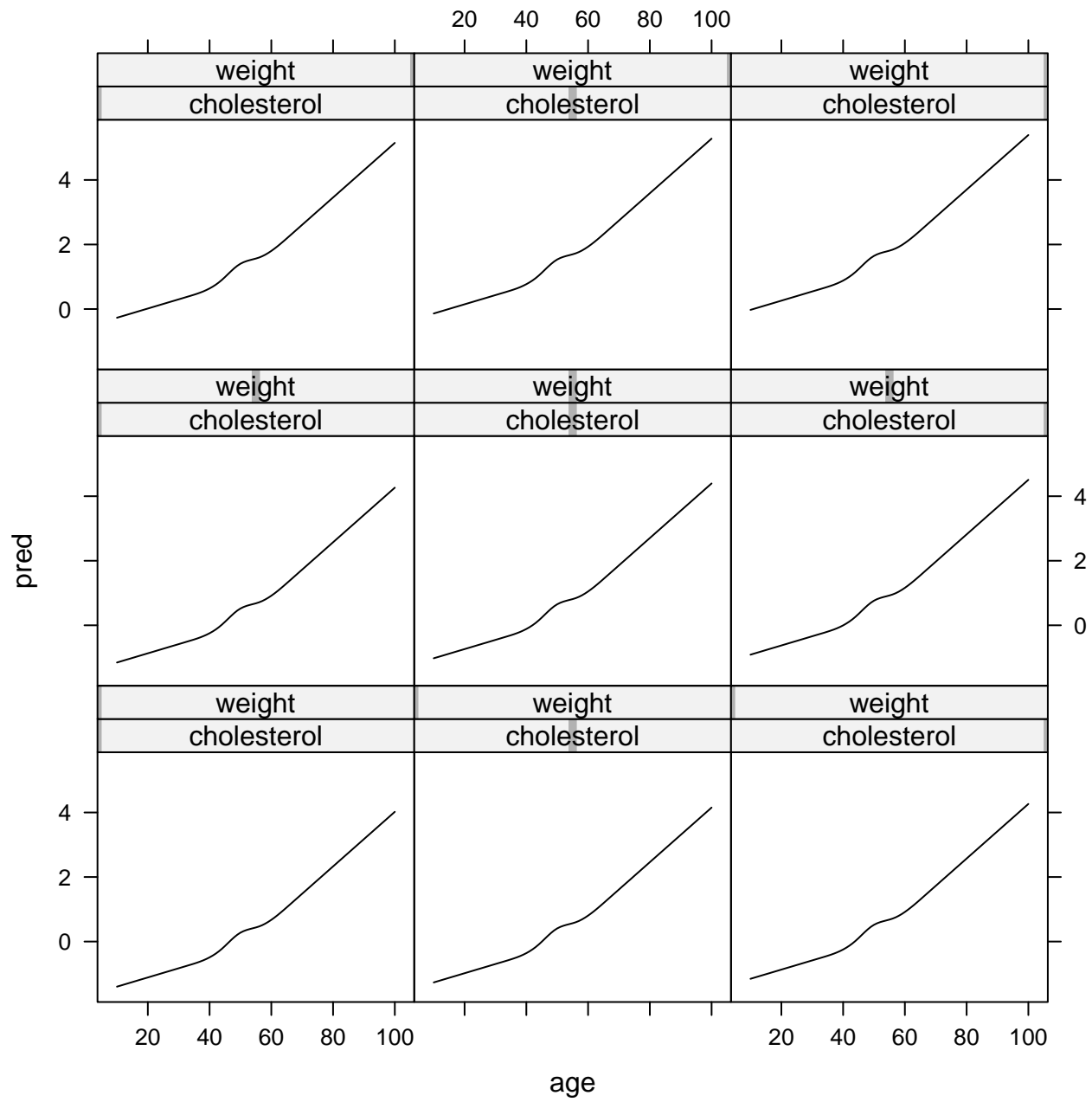
Linear Predictor



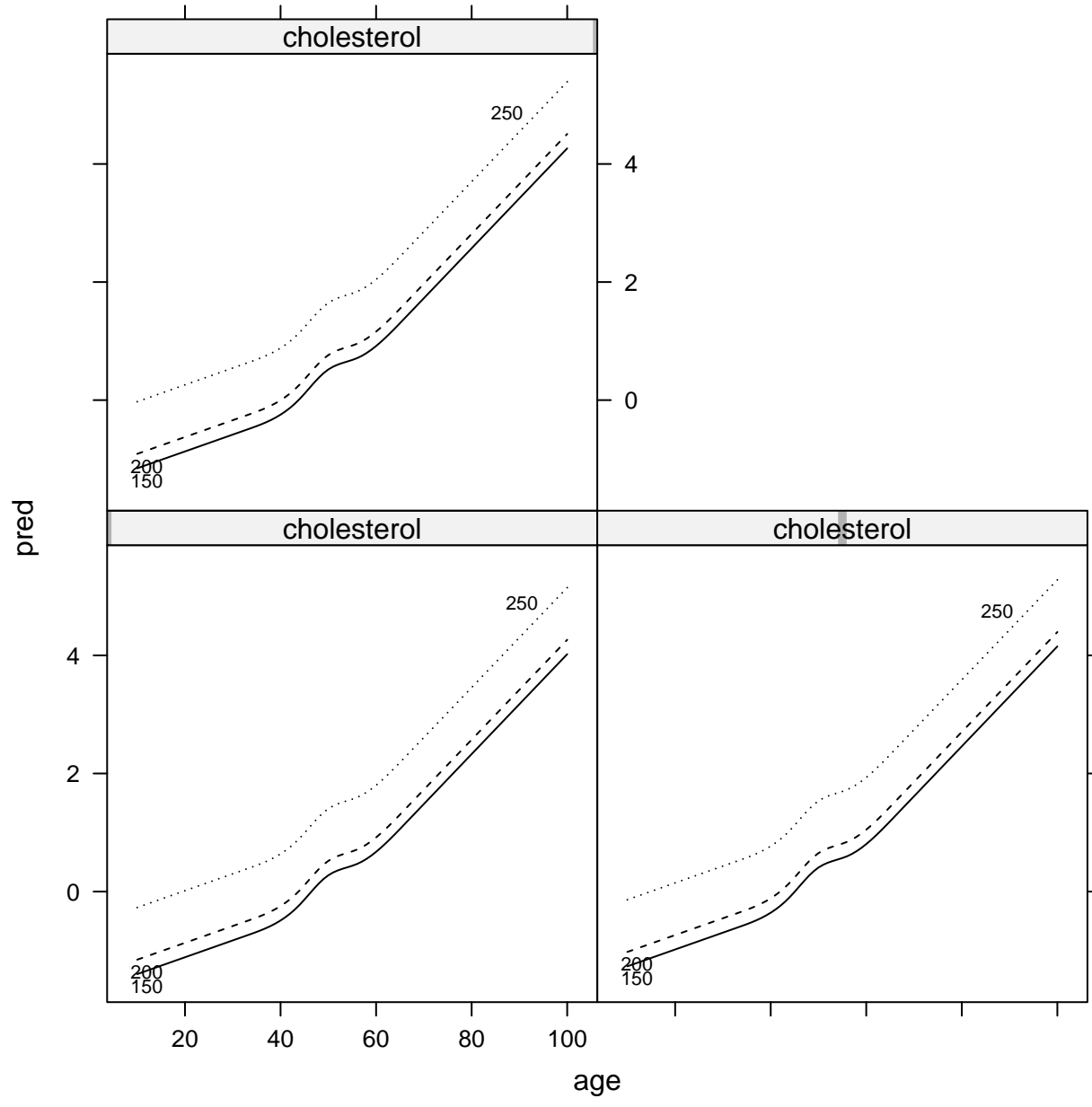
Prob[Y=1]



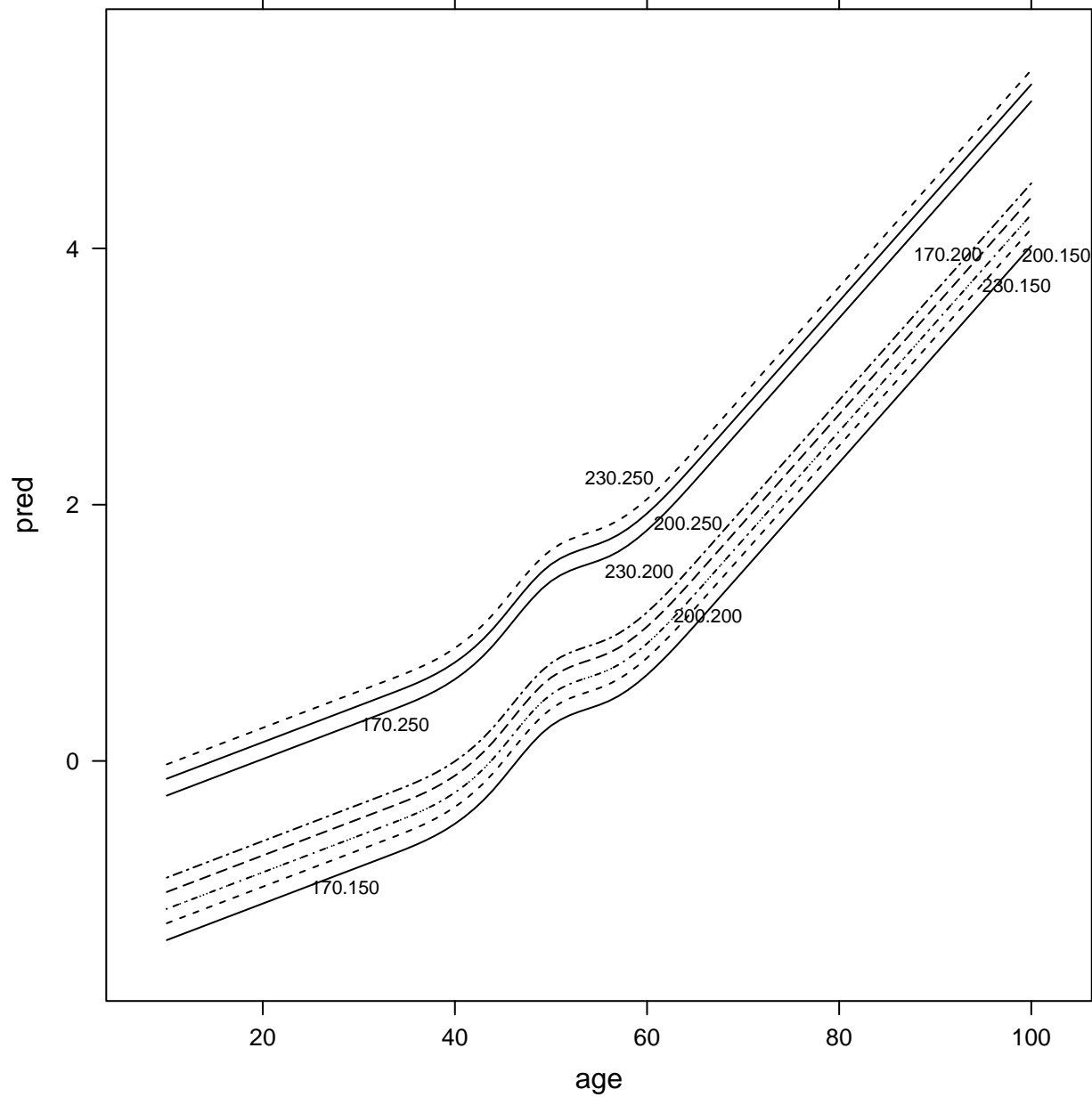
help("zzzrimsOverview")



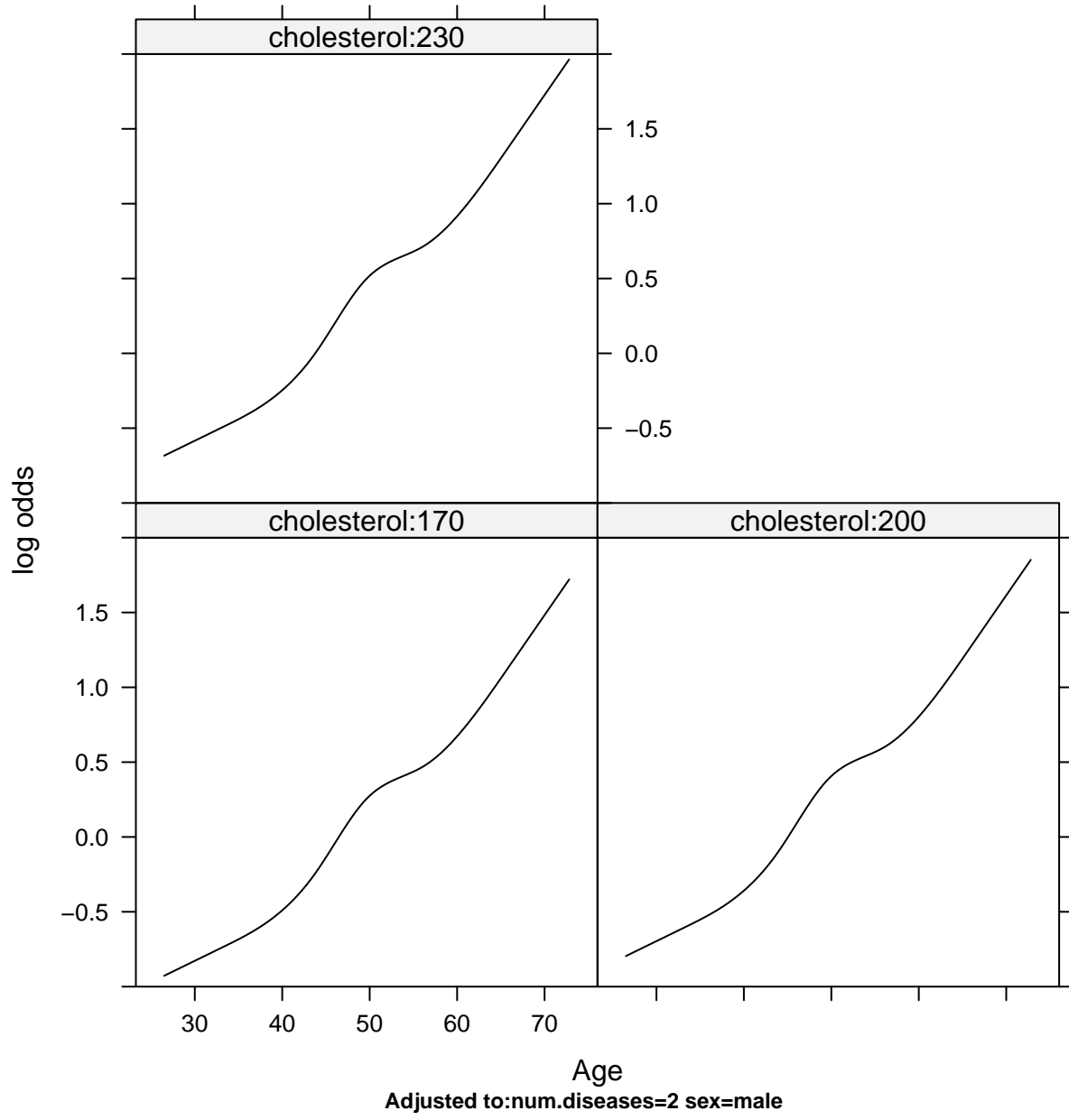
[help\("zzzrmsOverview"\)](#)



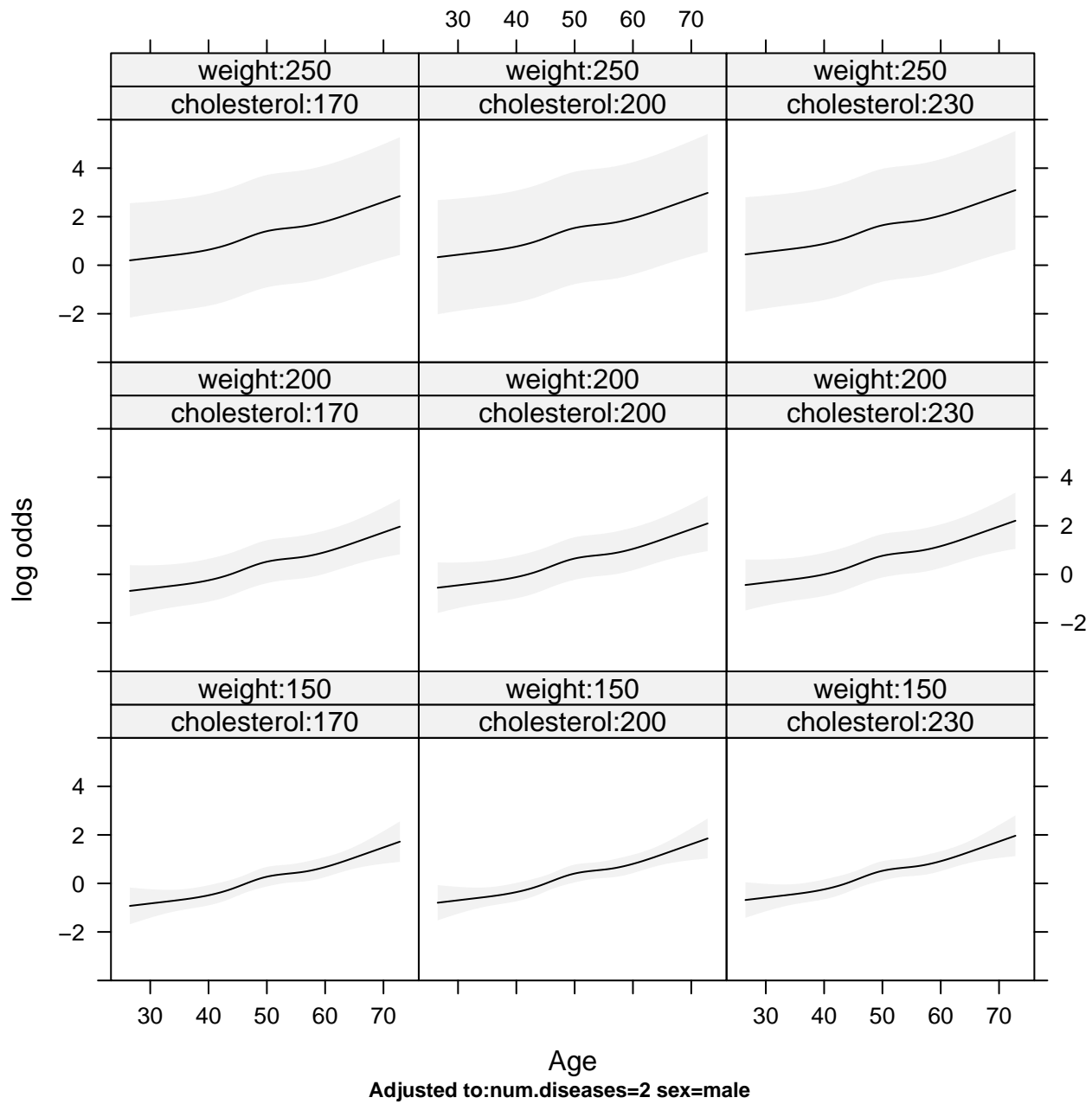
help("zzzrmsOverview")



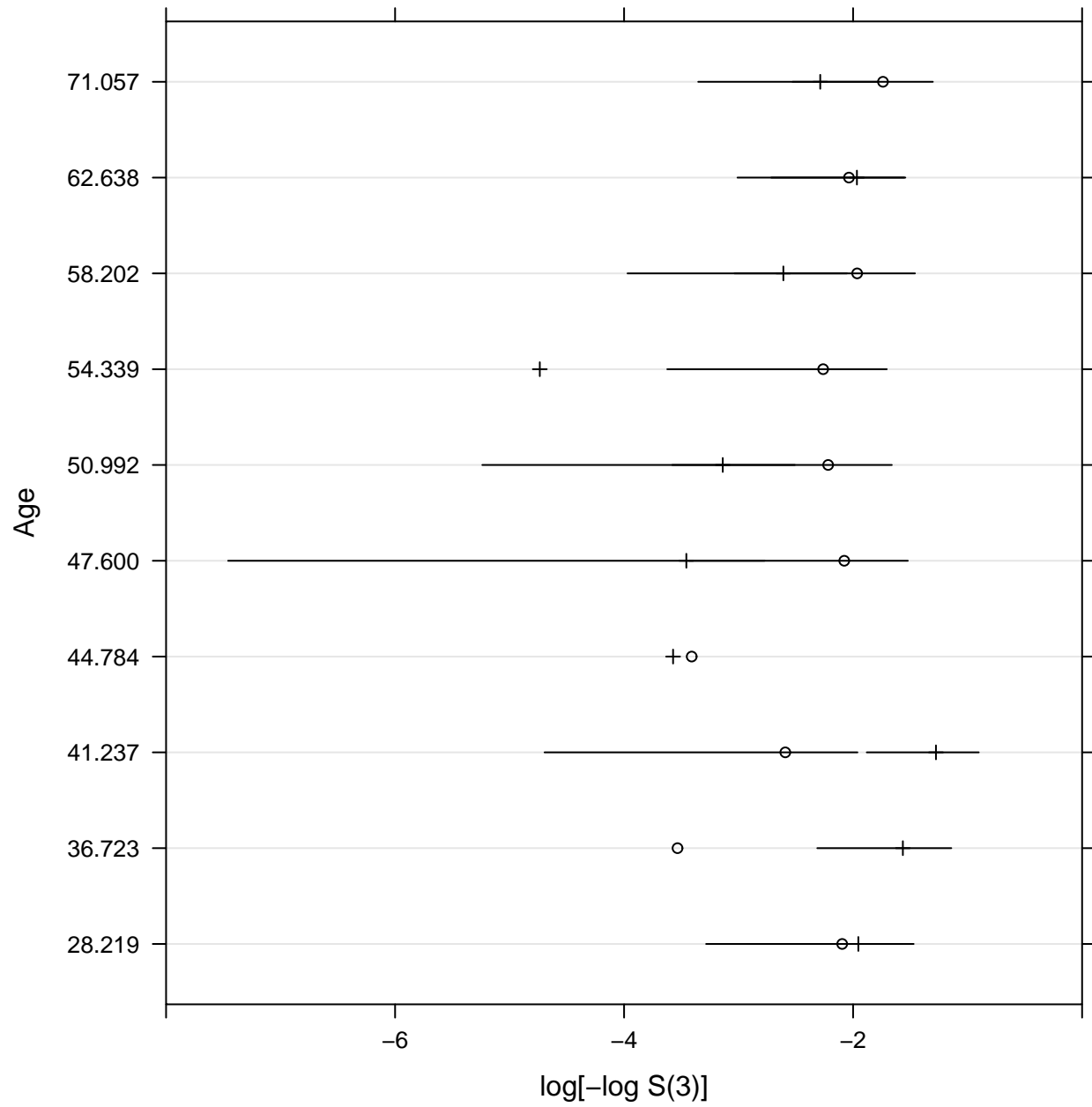
help("zzzrmsOverview")



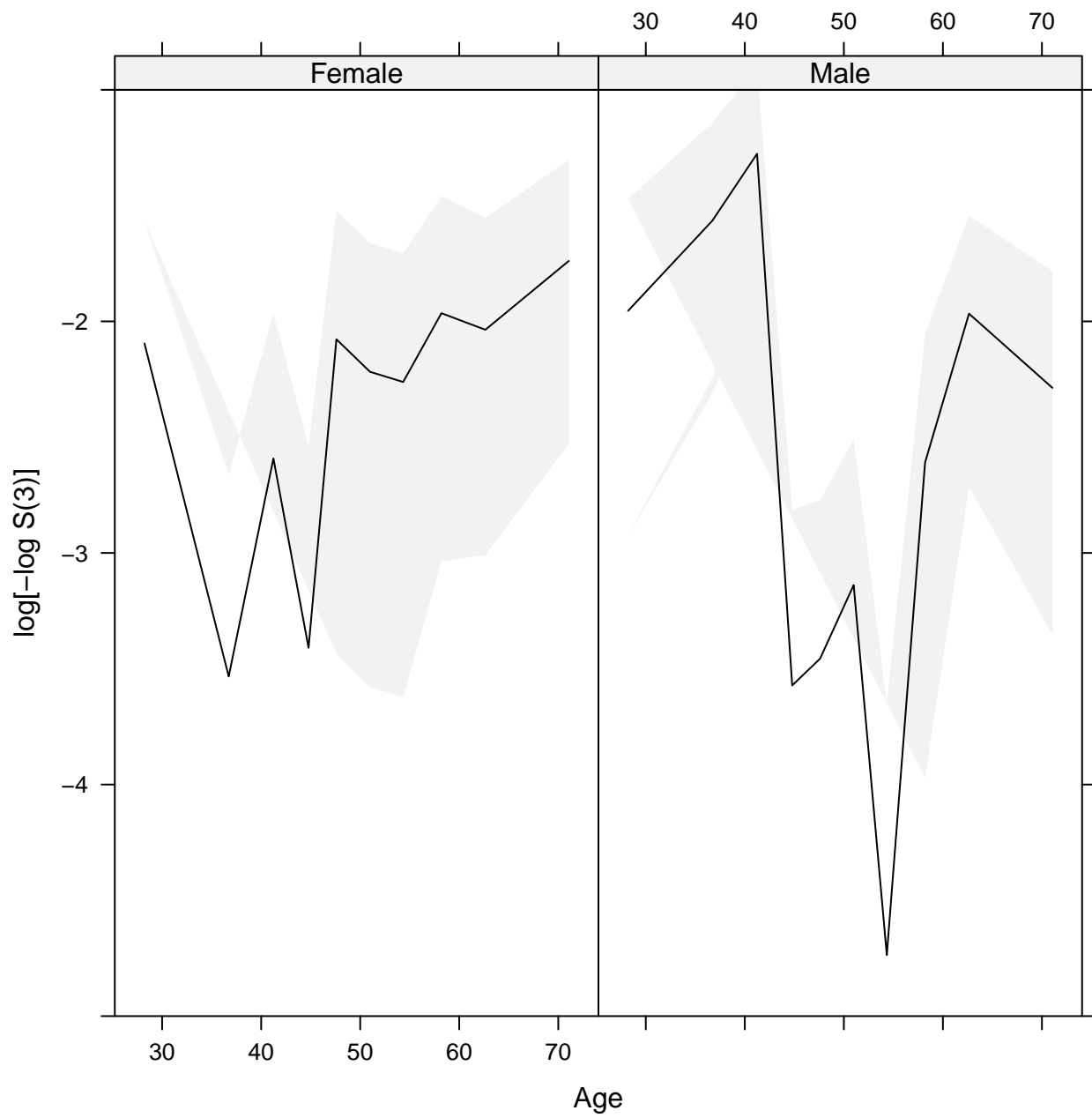
help("zzzrmsOverview")



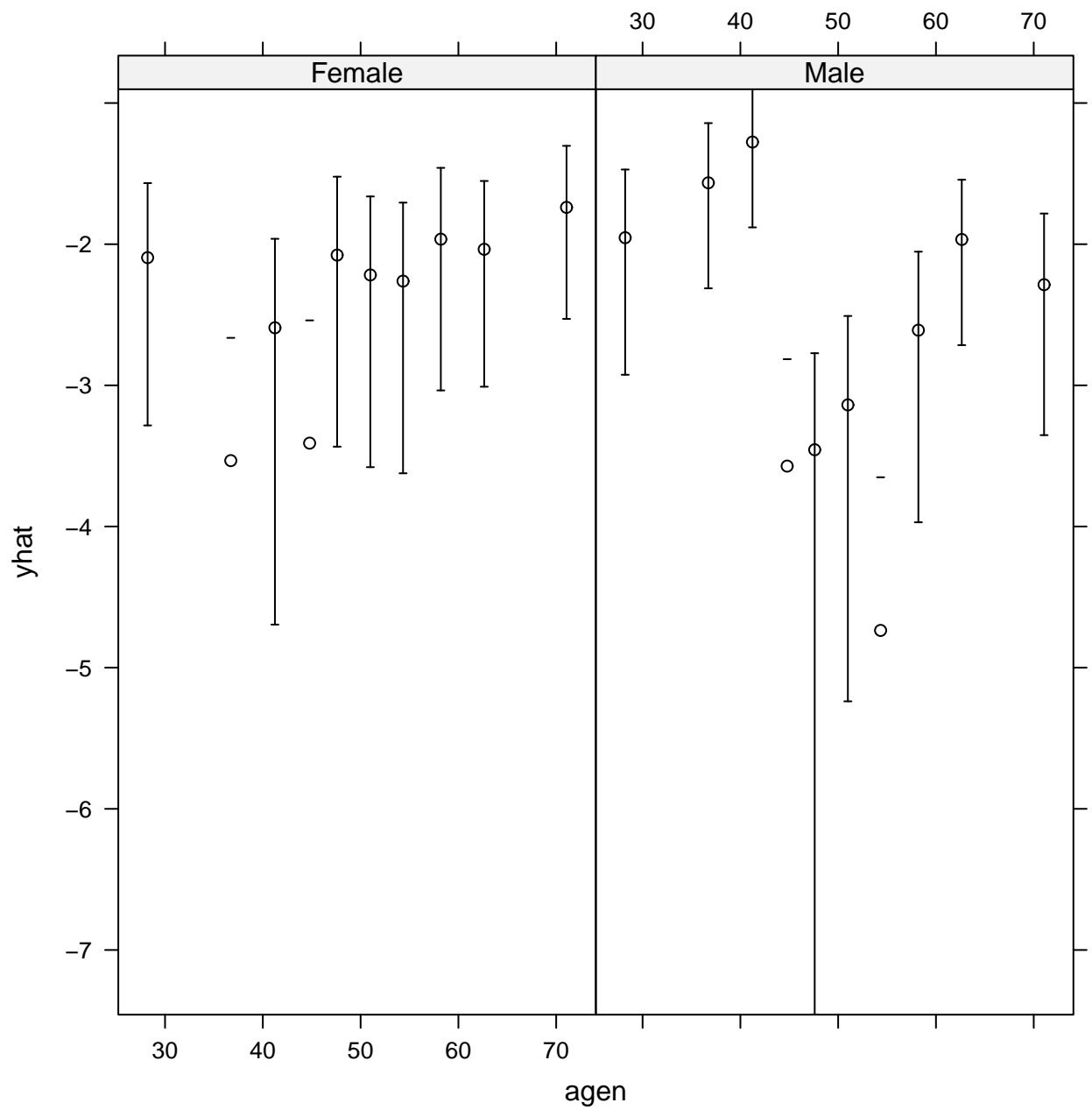
help("zzzrmsOverview")



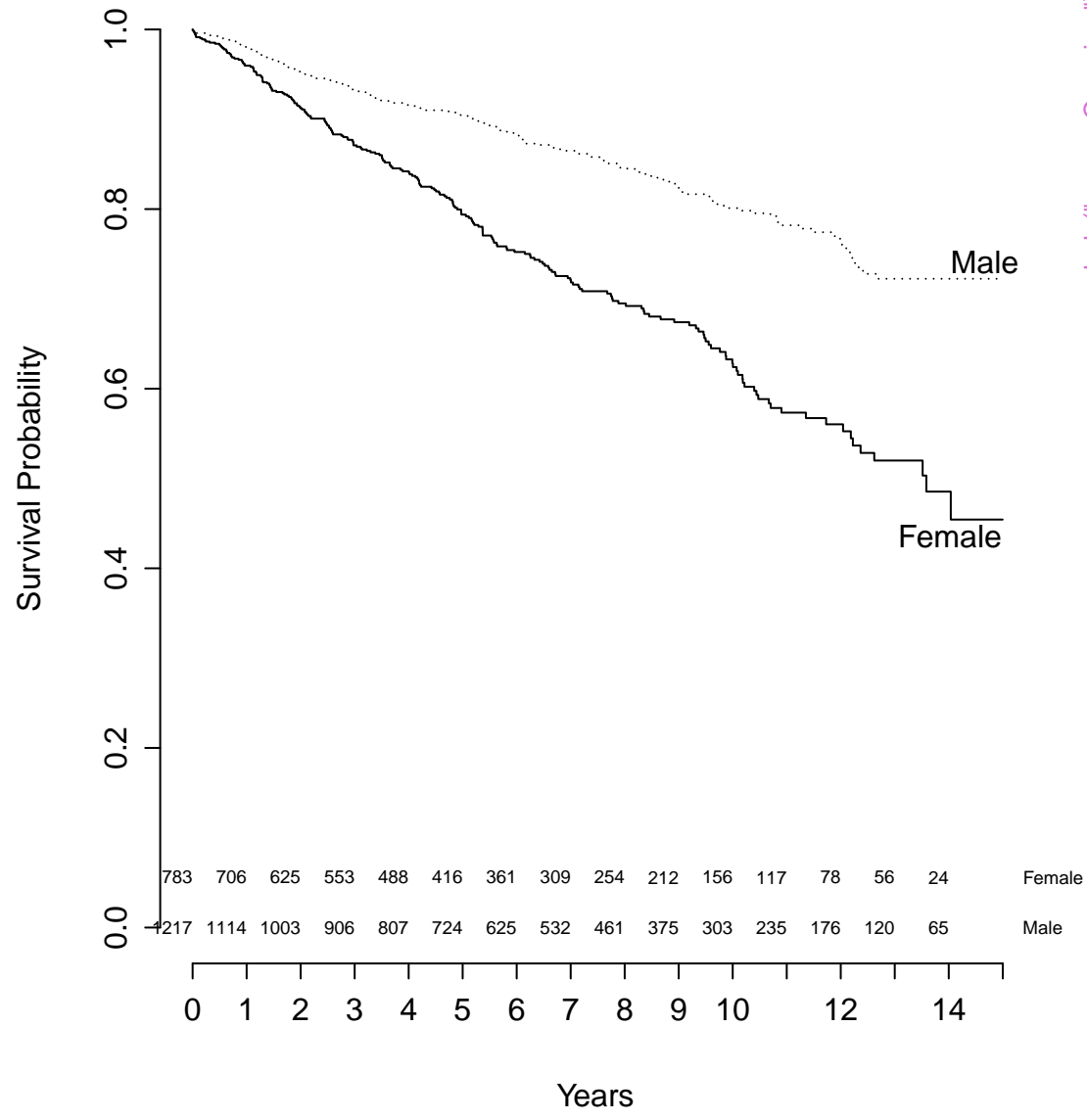
[help\("zzzrmsOverview"\)](#)



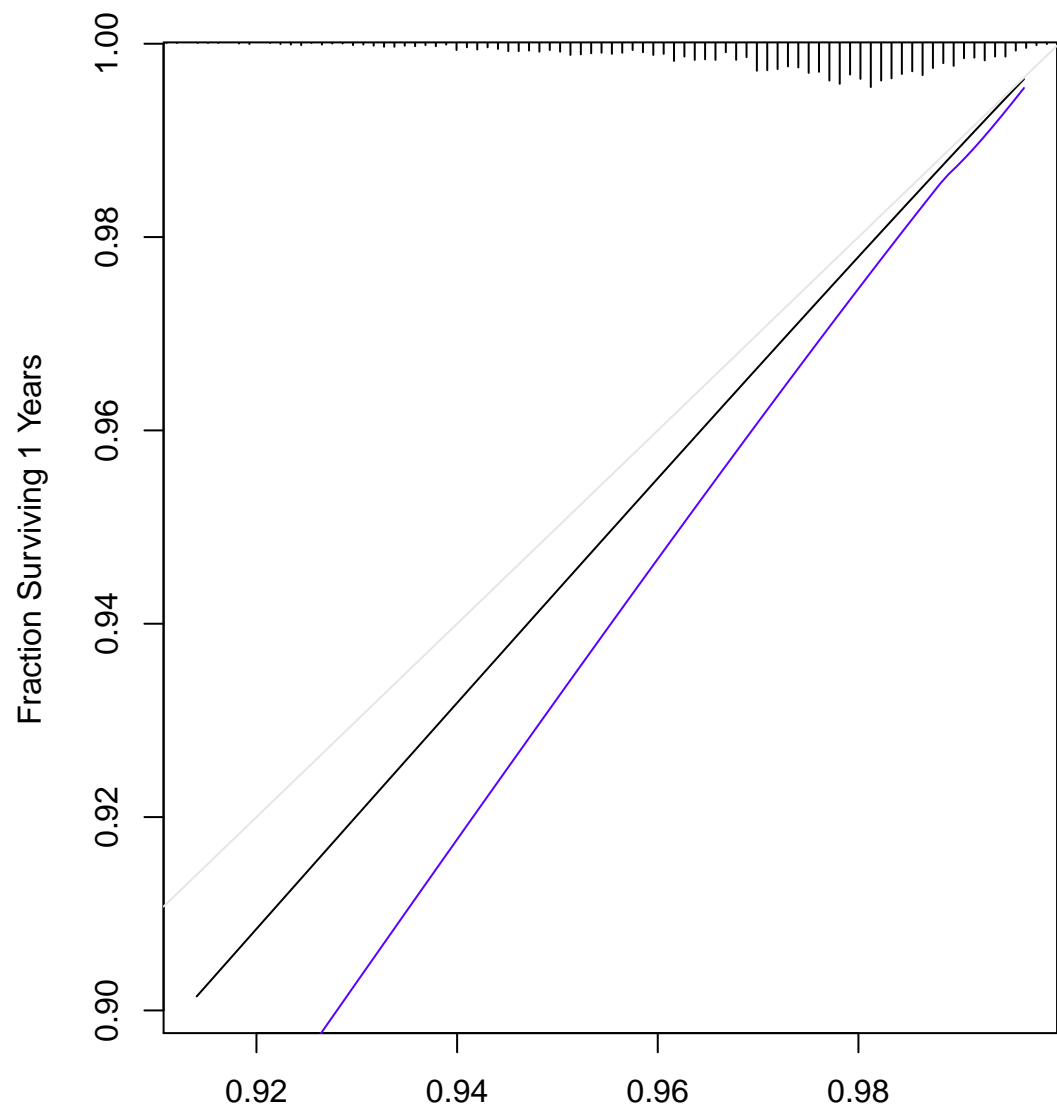
`help("zzzrmsOverview")`



help("zzzrmsOverview")

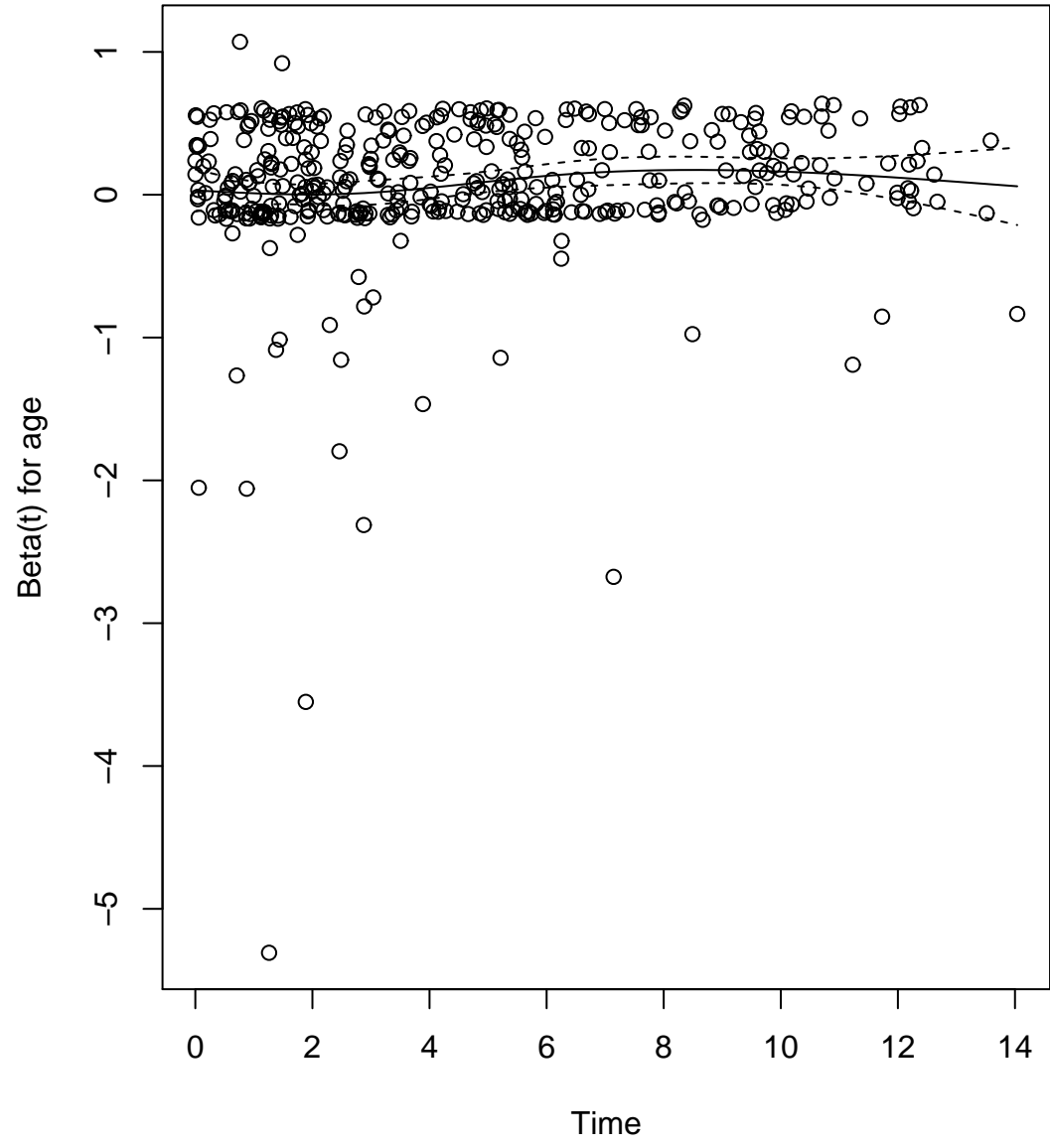


[help\("zzzrmsOverview"\)](#)

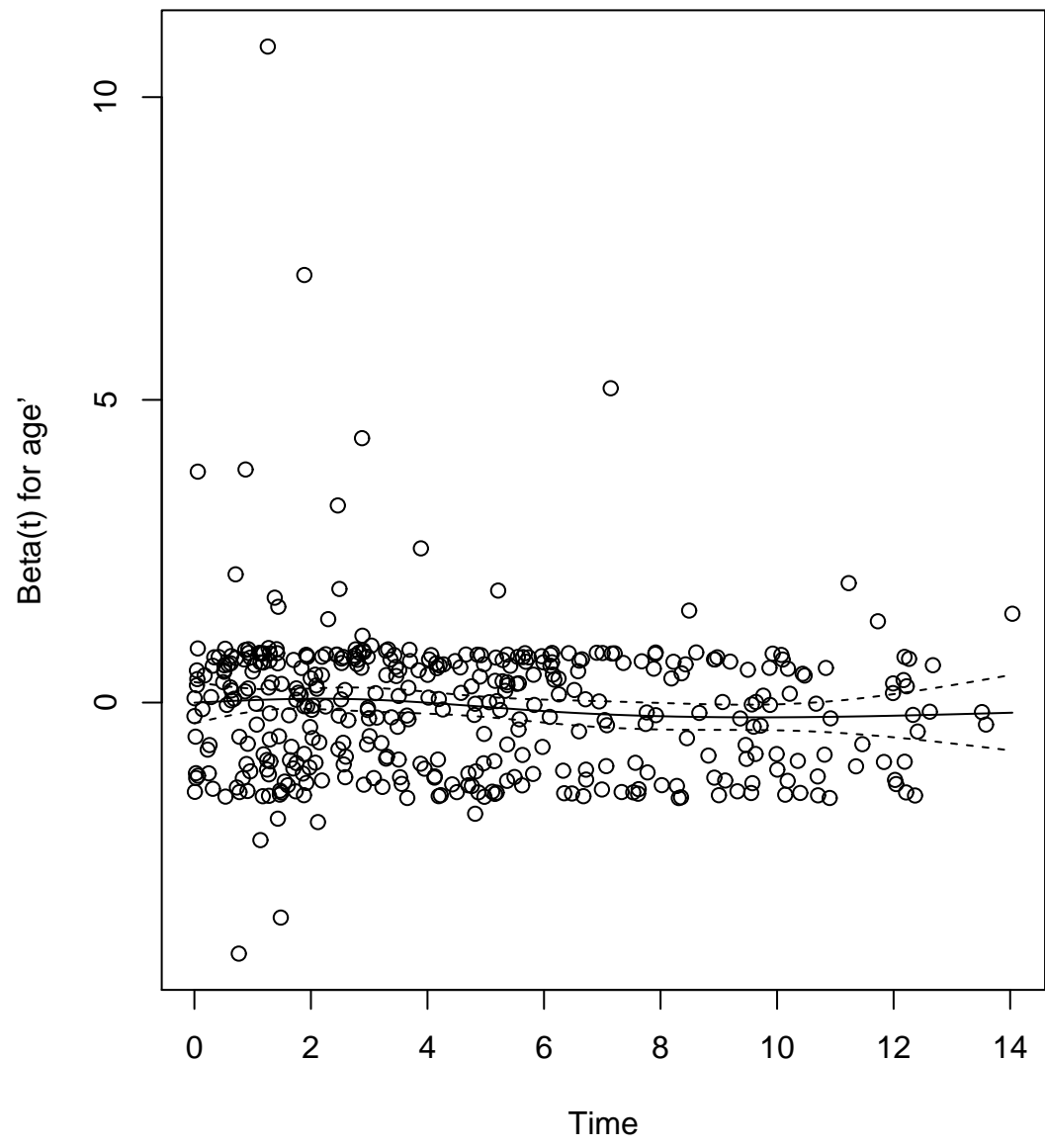


help("zzirmsOverview")

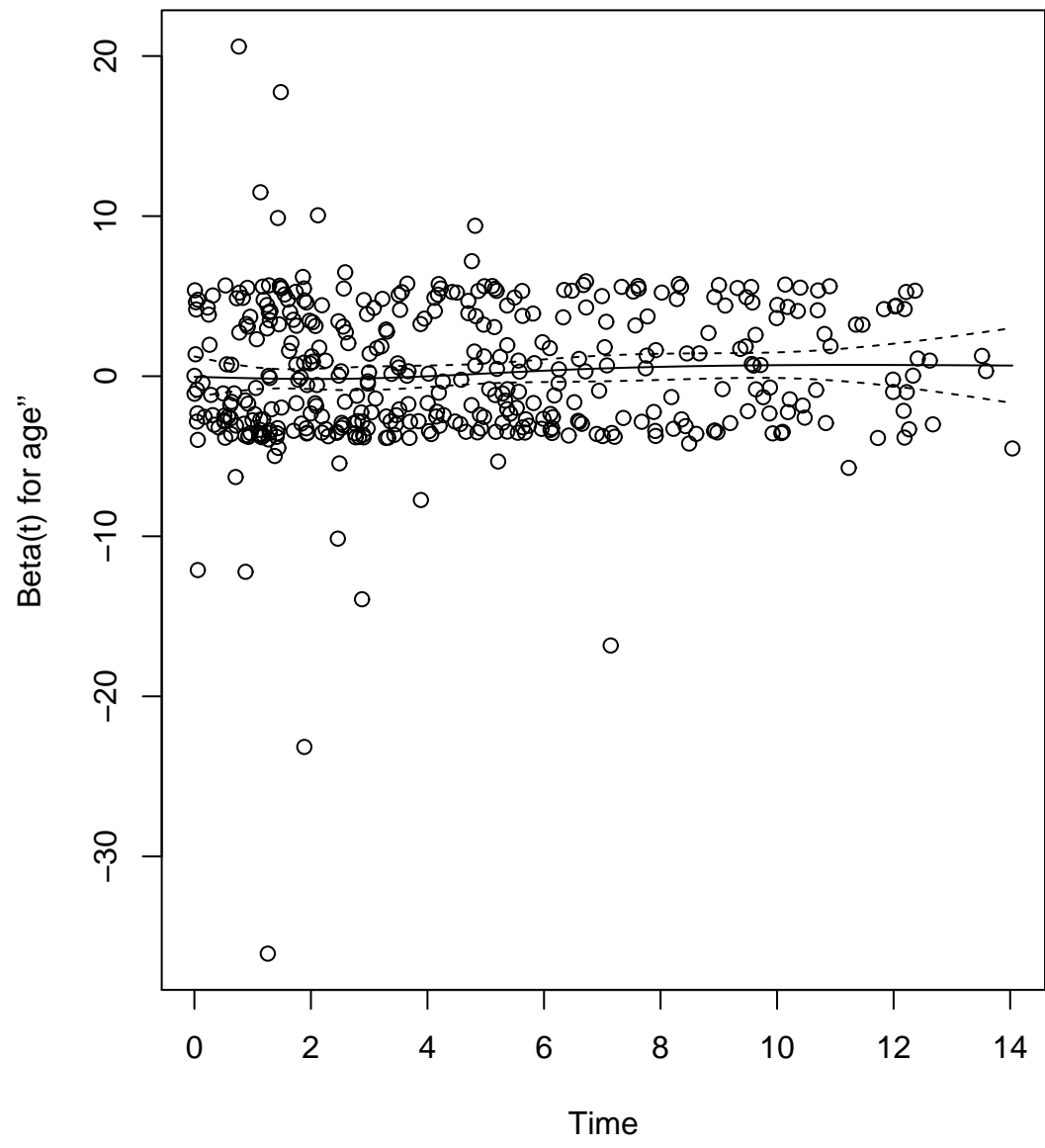
Black: observed Gray: ideal Blue : optimism corrected
 B=10 based on observed-predicted
 Mean |error|=0.009 0.9 Quantile=0.019



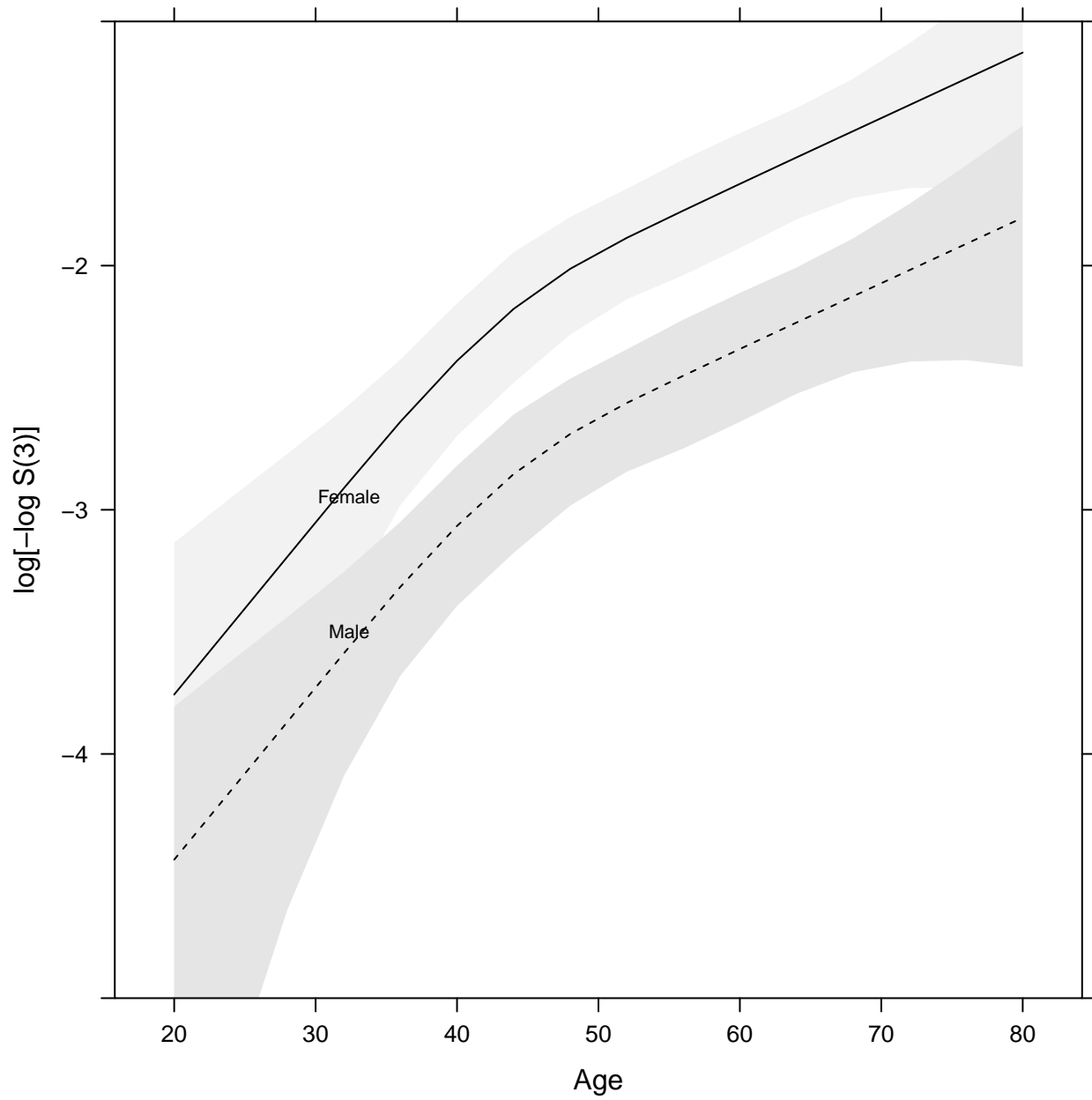
[help\("zzzrimsOverview"\)](#)



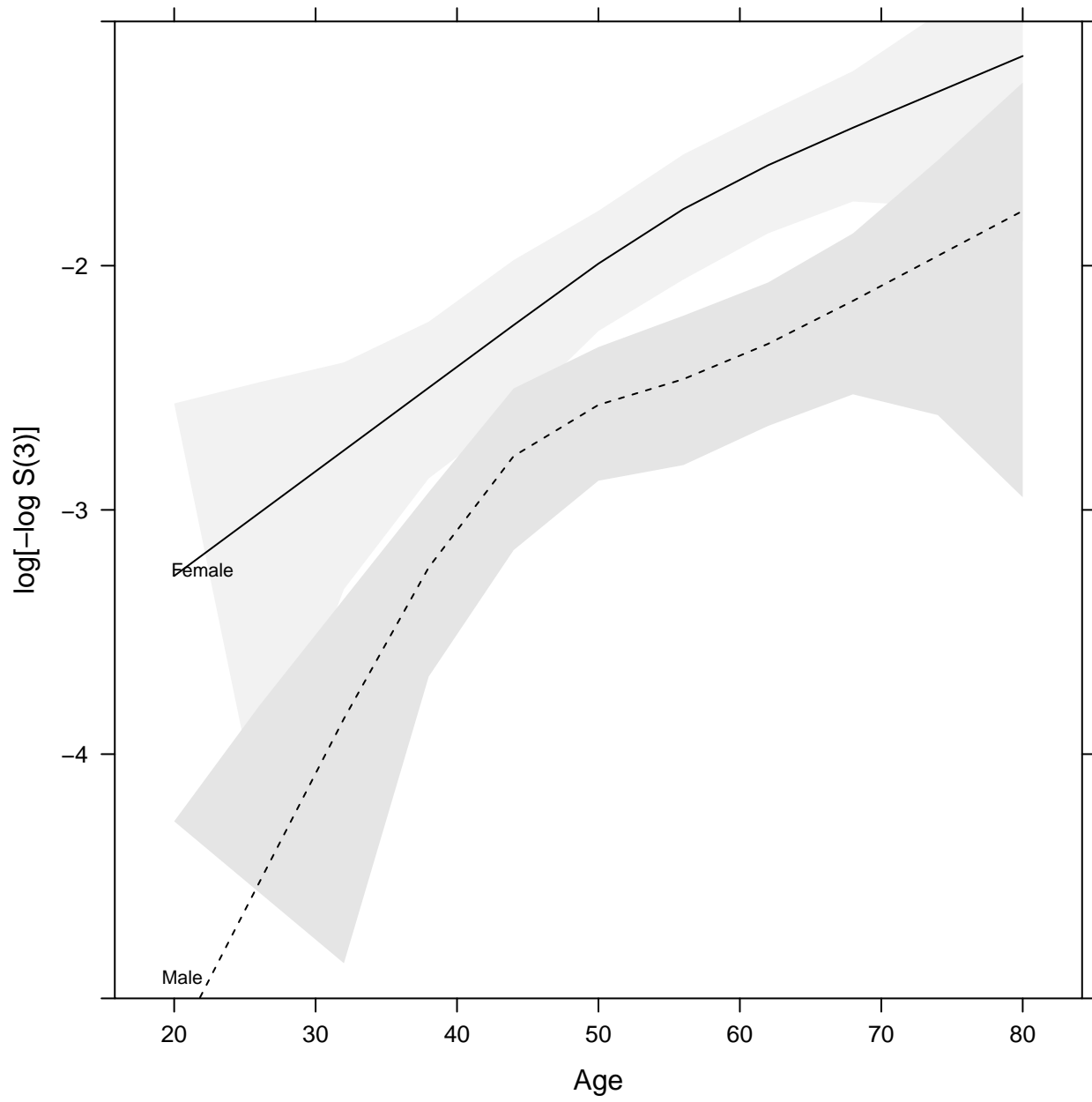
[help\("zzirmsOverview"\)](#)



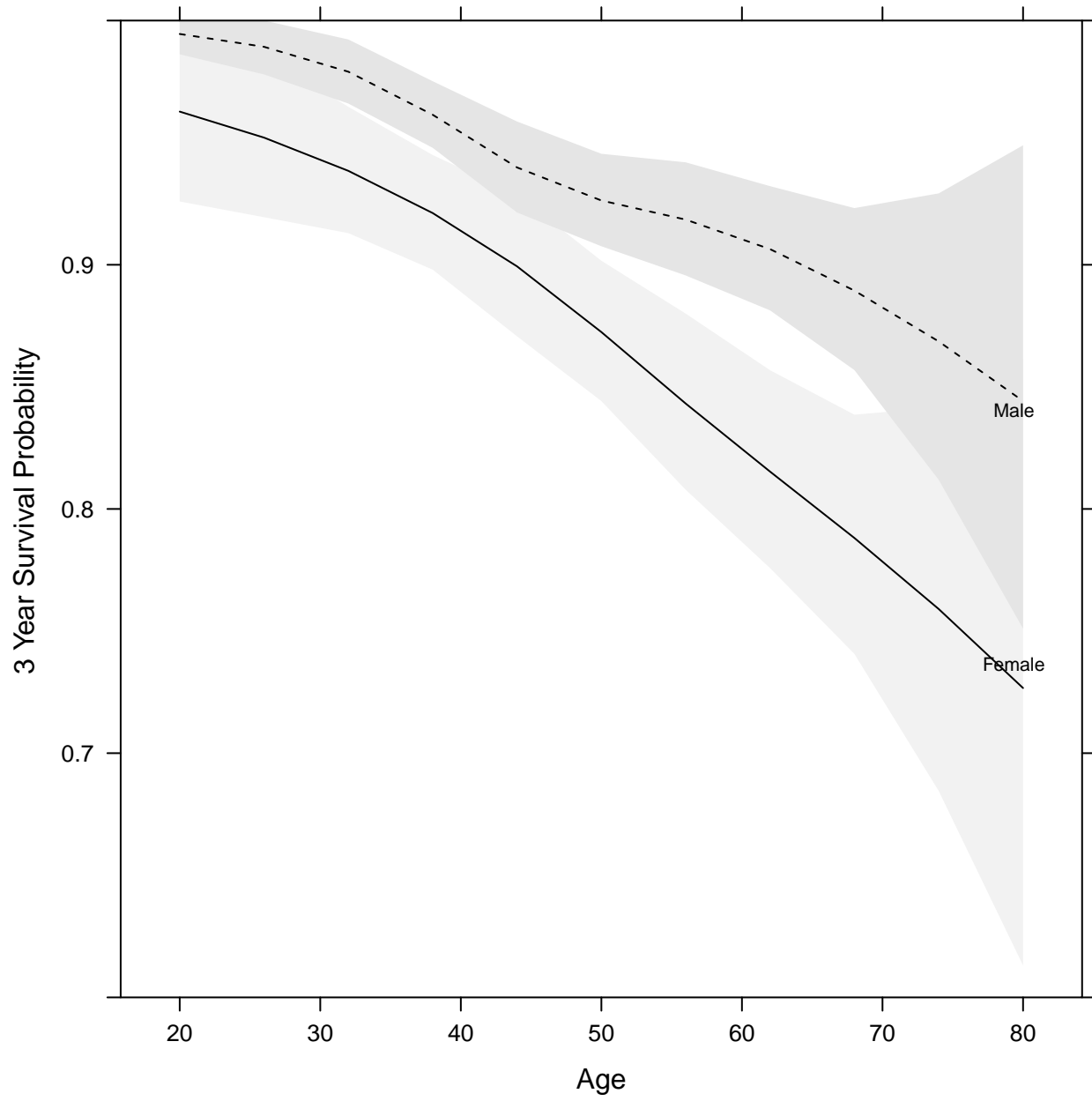
[help\("zzzrimsOverview"\)](#)



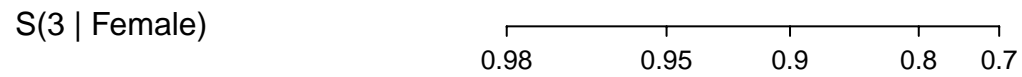
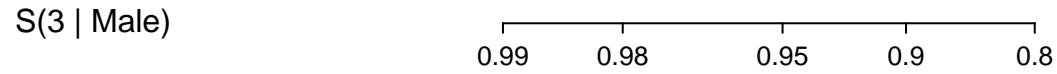
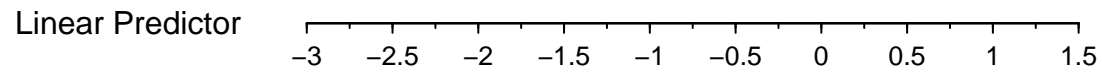
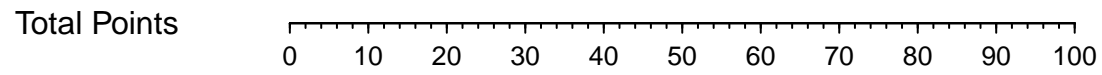
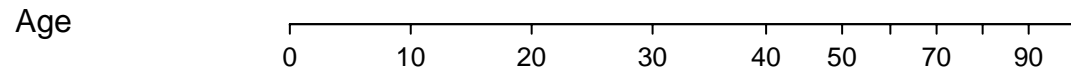
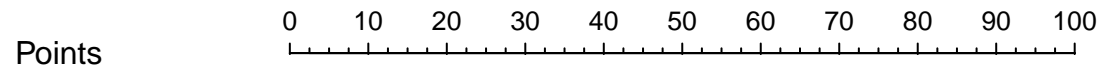
[help\("zzzrmsOverview"\)](#)



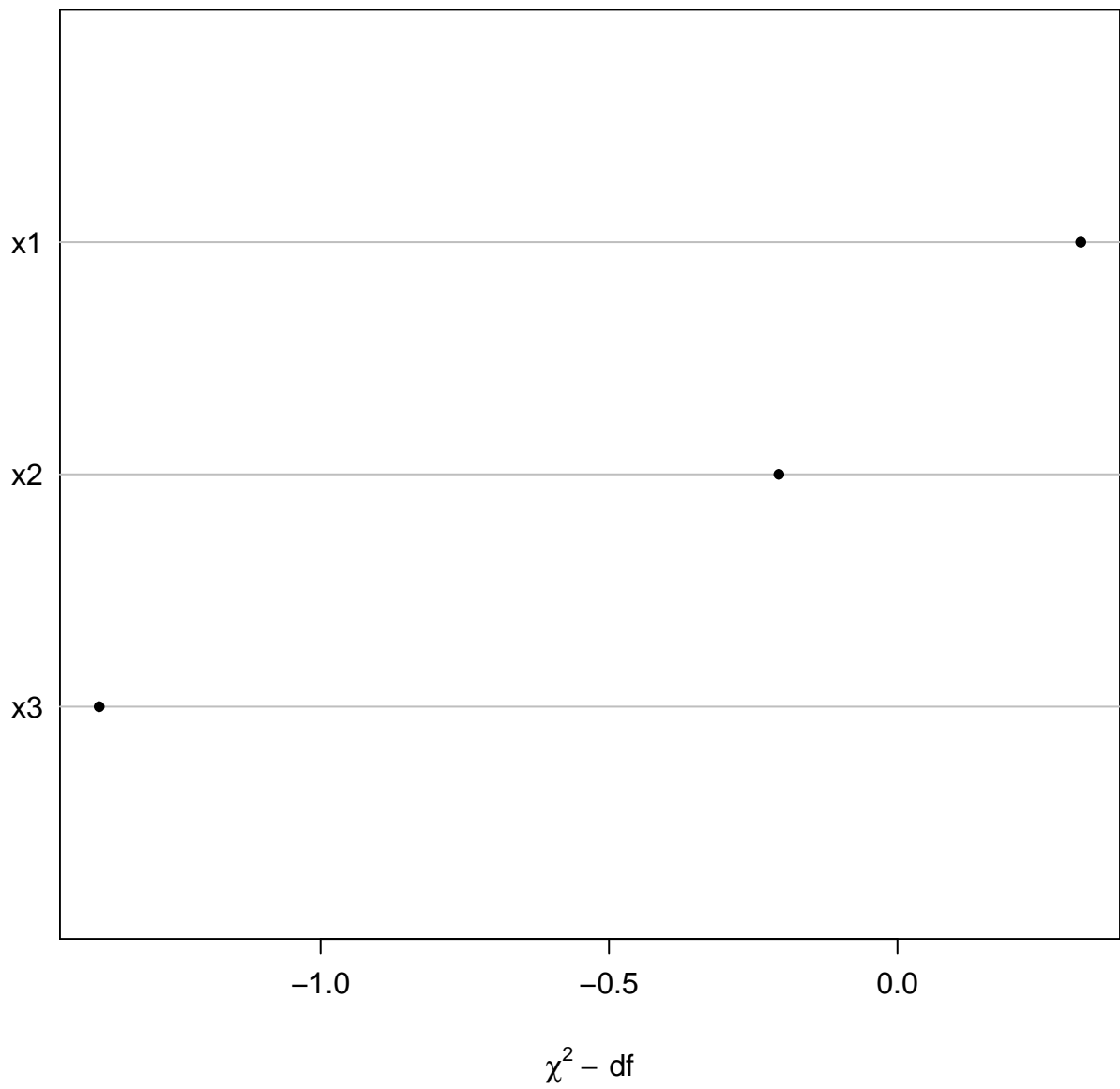
help("zzzrmsOverview")



[help\("zzzrmsOverview"\)](#)

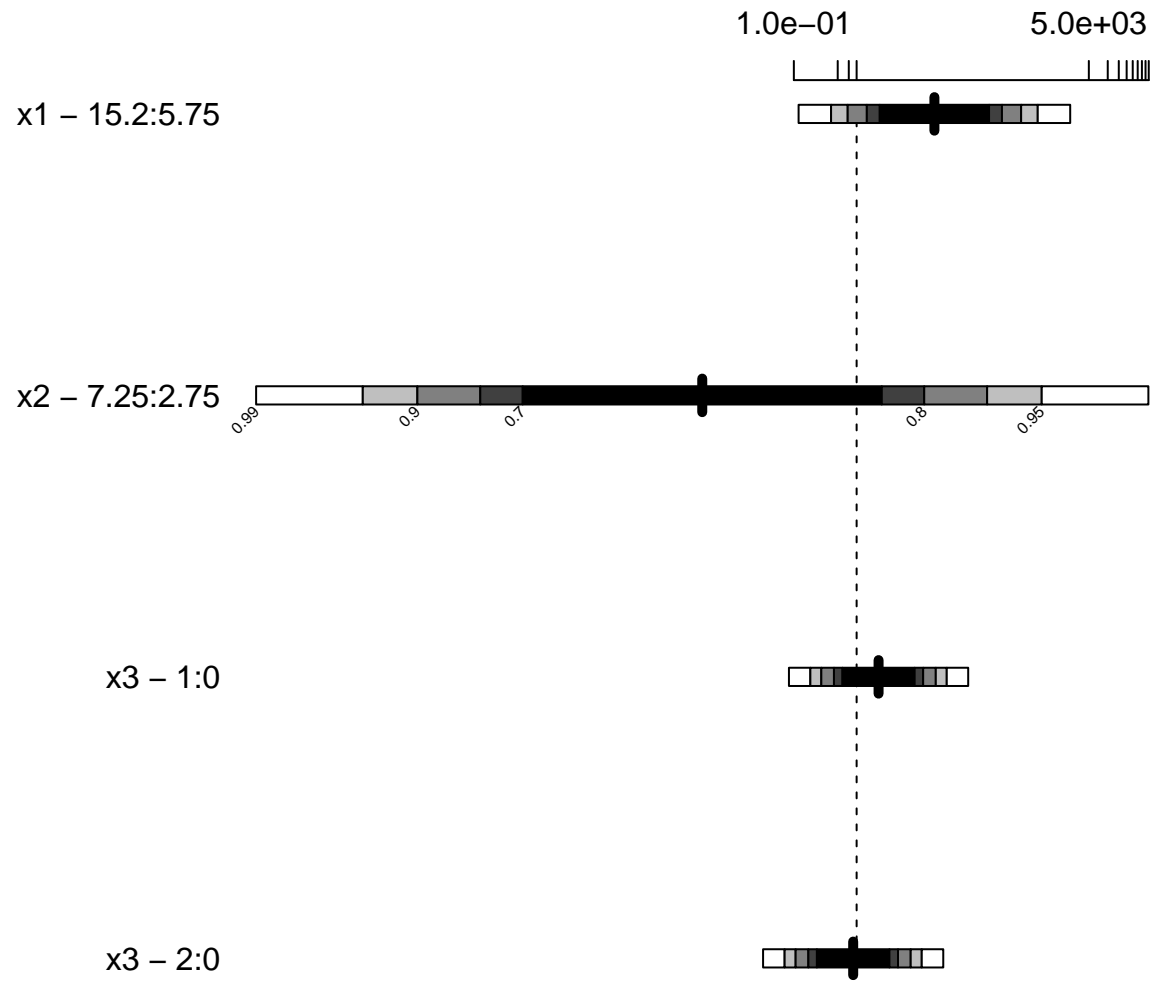


help("zzzrmsOverview")

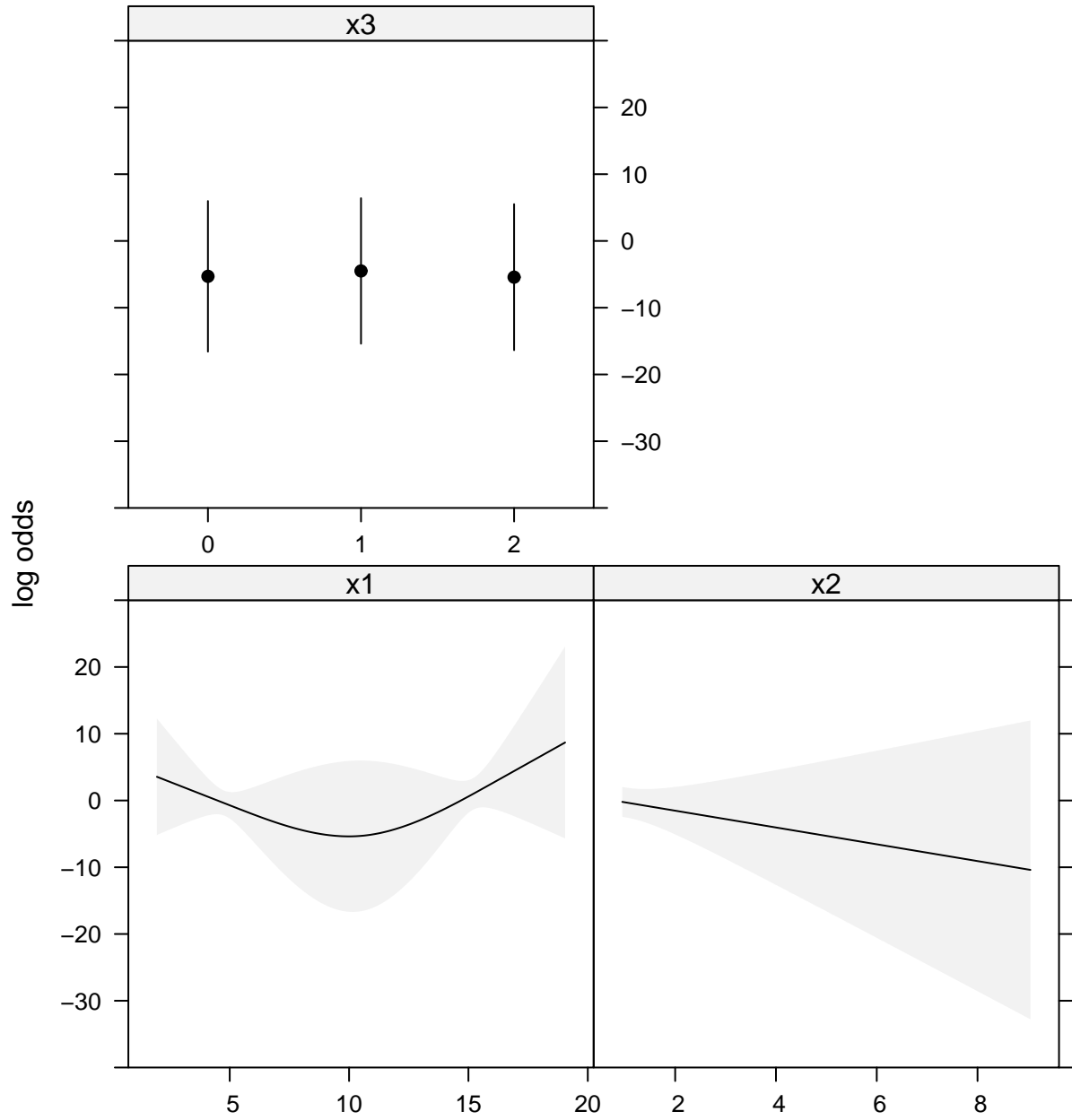


help("zzirmsOverview")

Odds Ratio

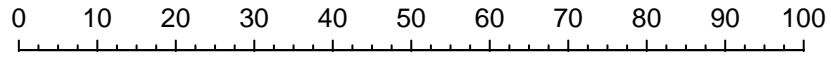


help("zdzajpx's@zremis@werview")

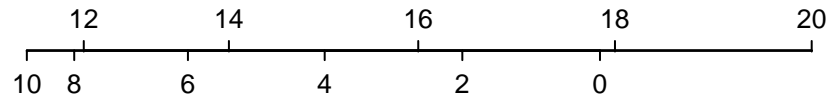


help("zzzrmsOverview")

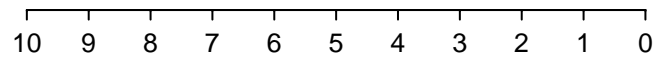
Points



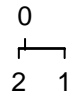
x1



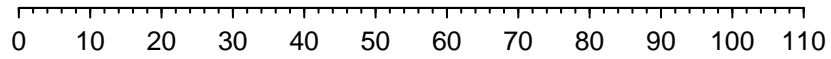
x2



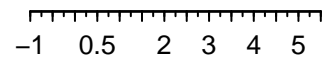
x3



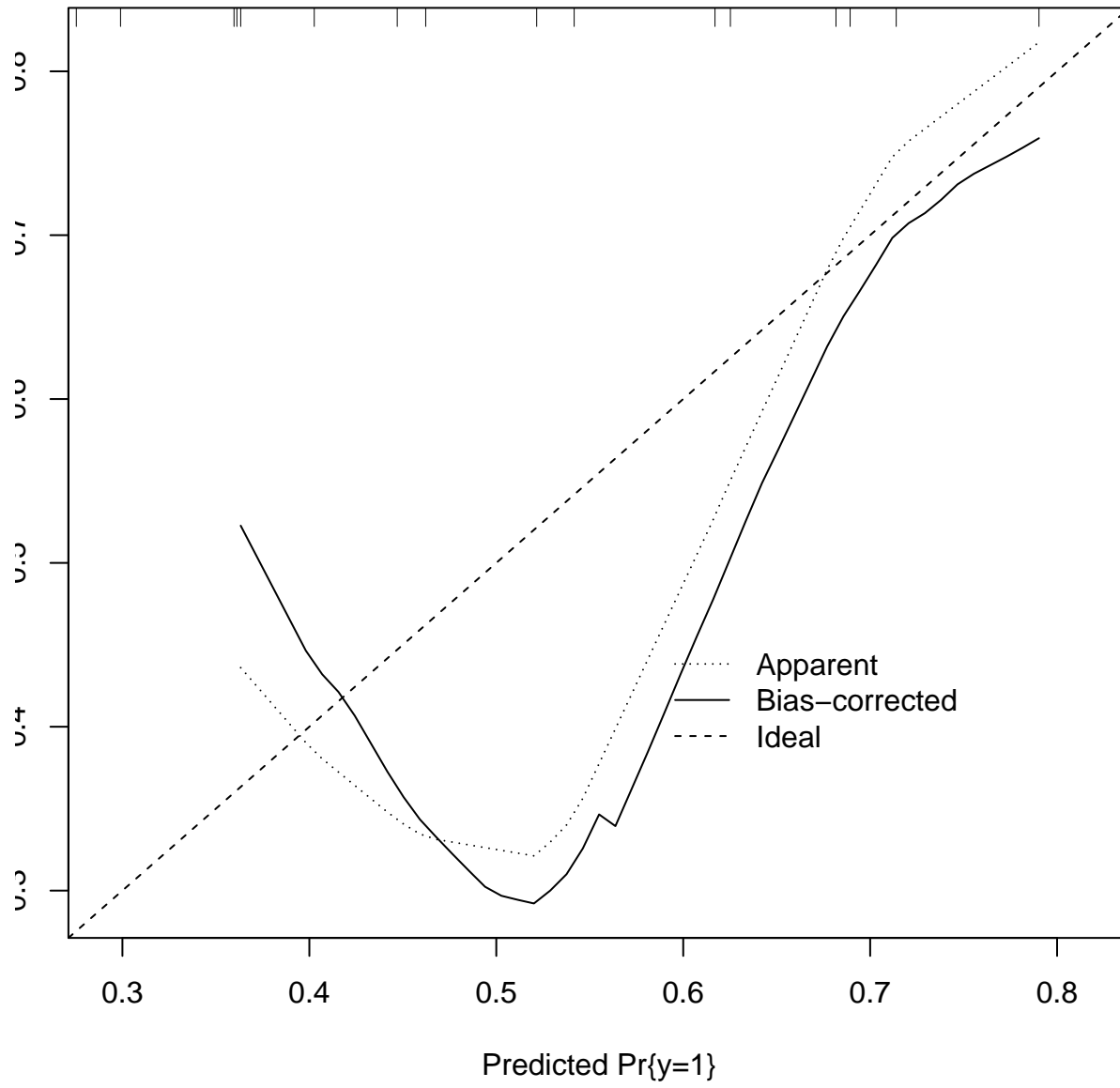
Total Points



Linear Predictor



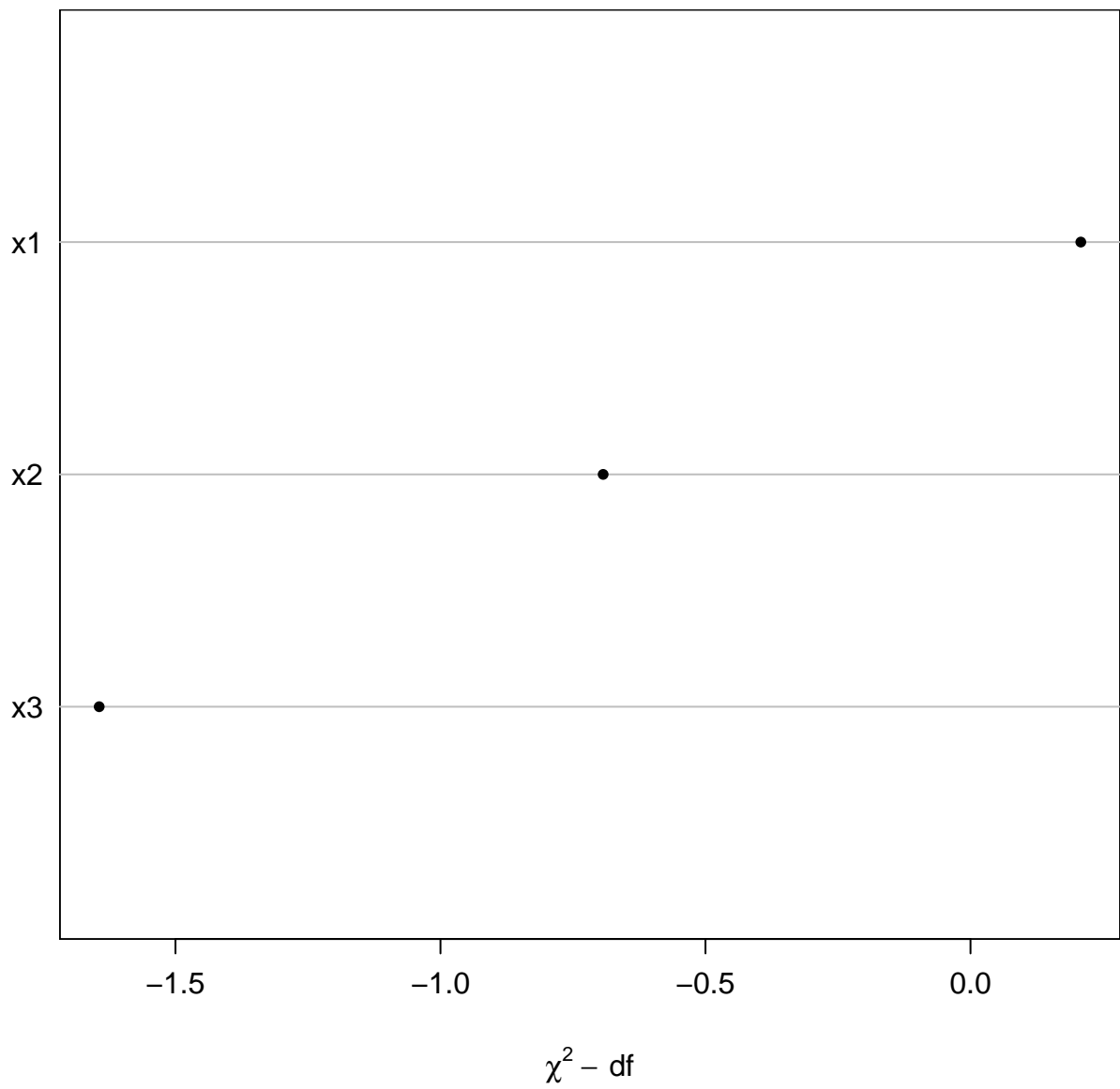
help("zzzrimsOverview")



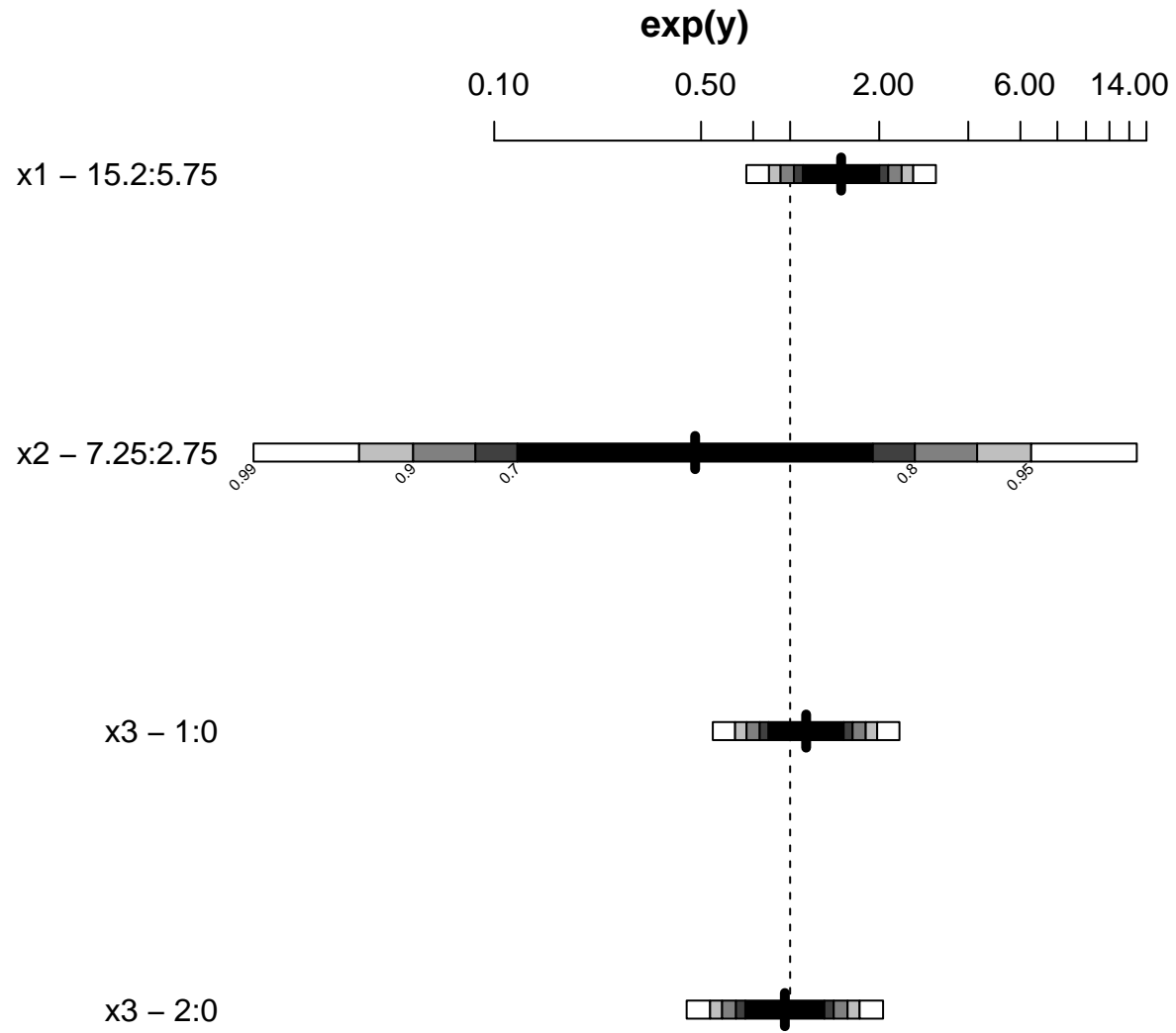
B= 10 repetitions, boot

Mean absolute error=0.103 n=20

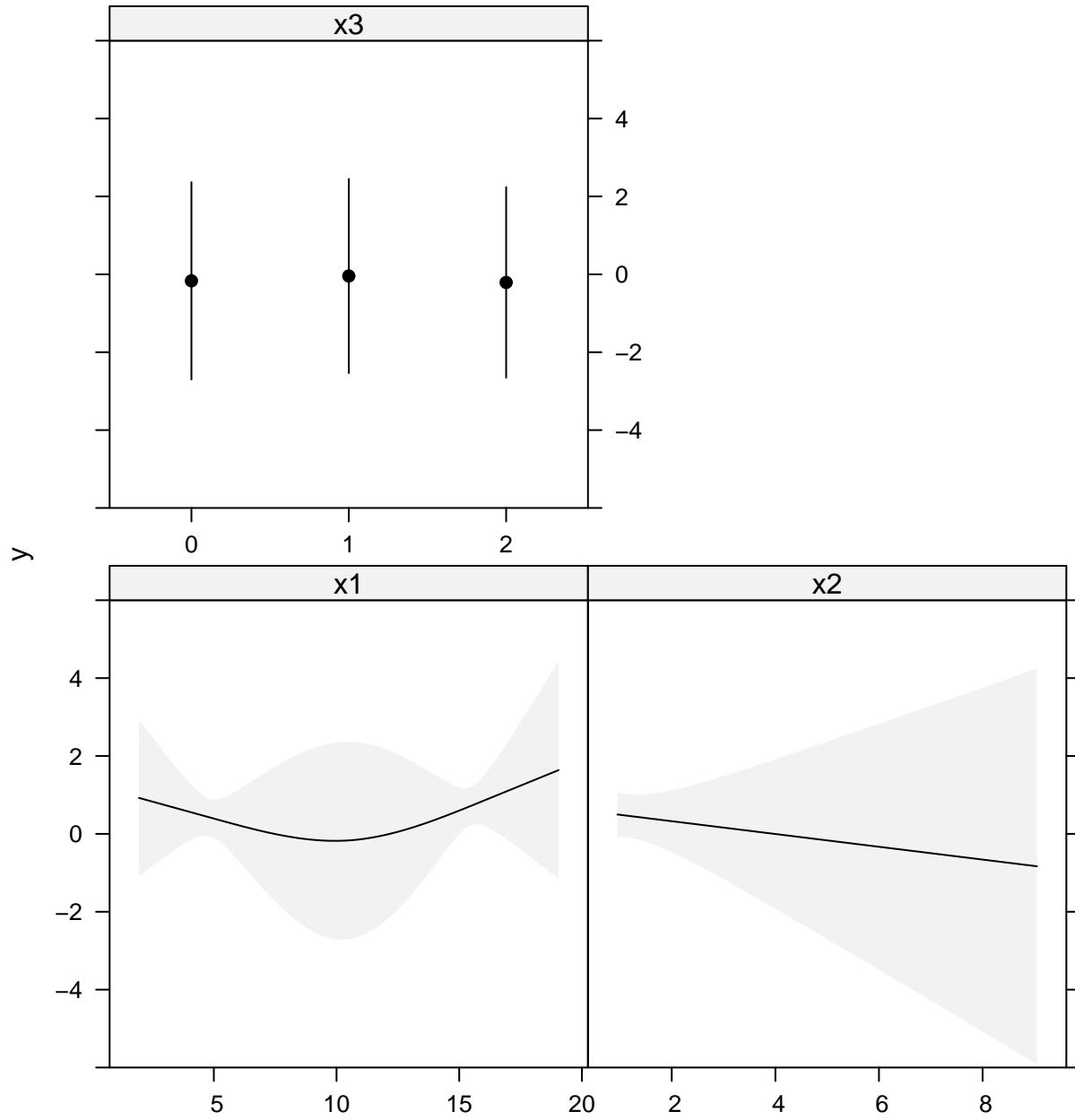
help("zzrmsOverview")



[help\("zzirmsOverview"\)](#)

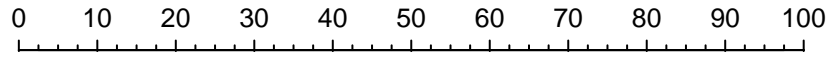


help("zdziedzic@zdziedzic.com")

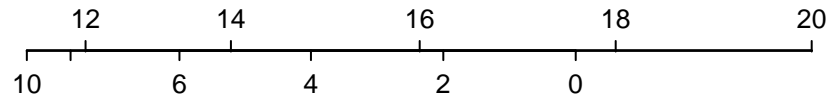


help("zzzrmsOverview")

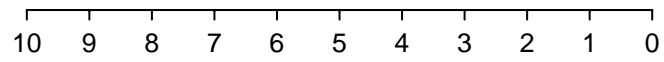
Points



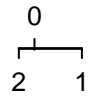
x1



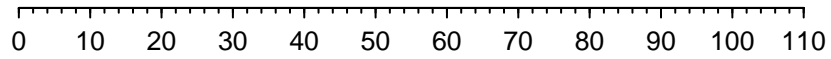
x2



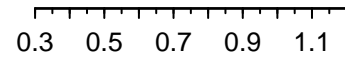
x3



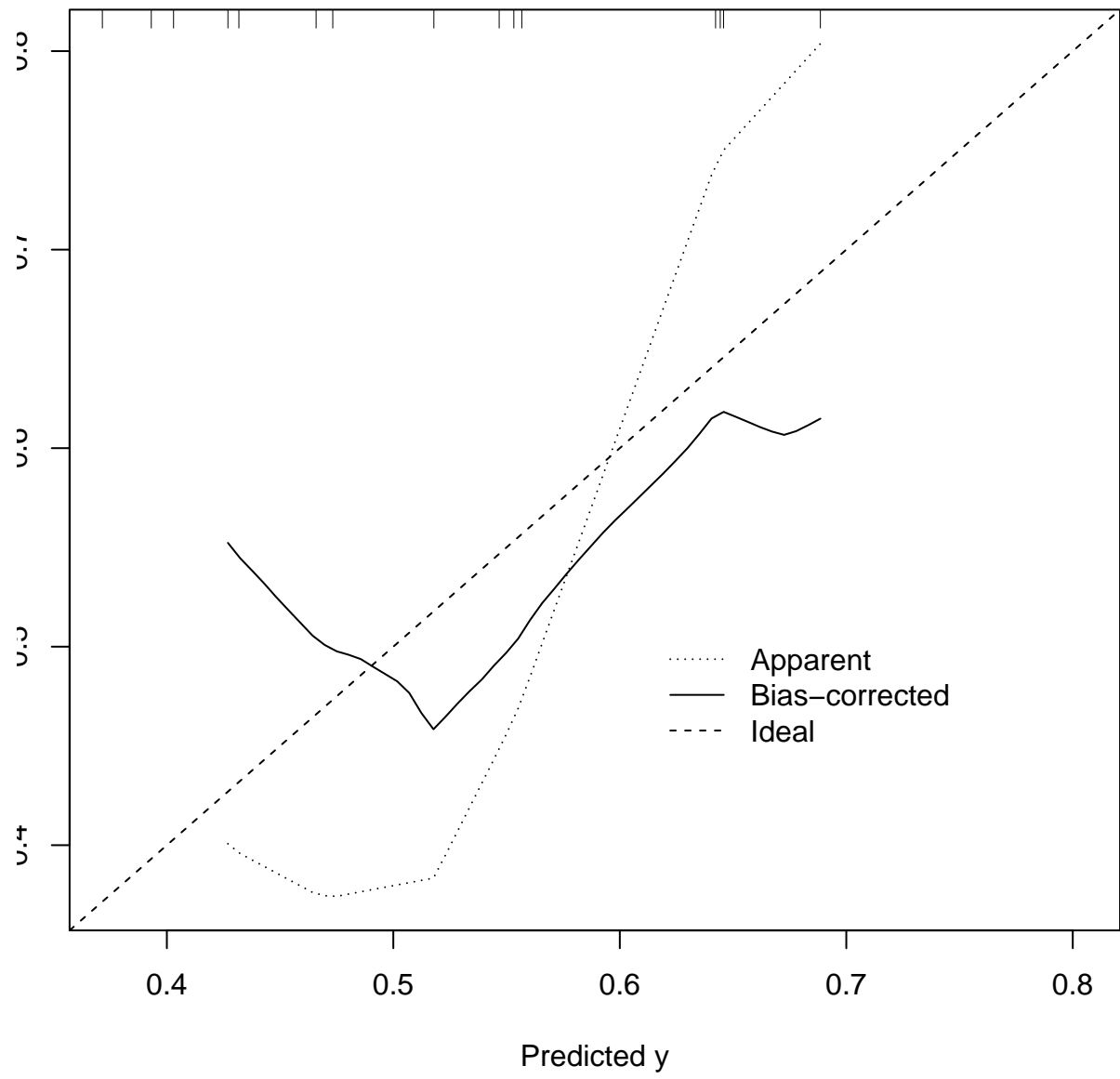
Total Points



Linear Predictor



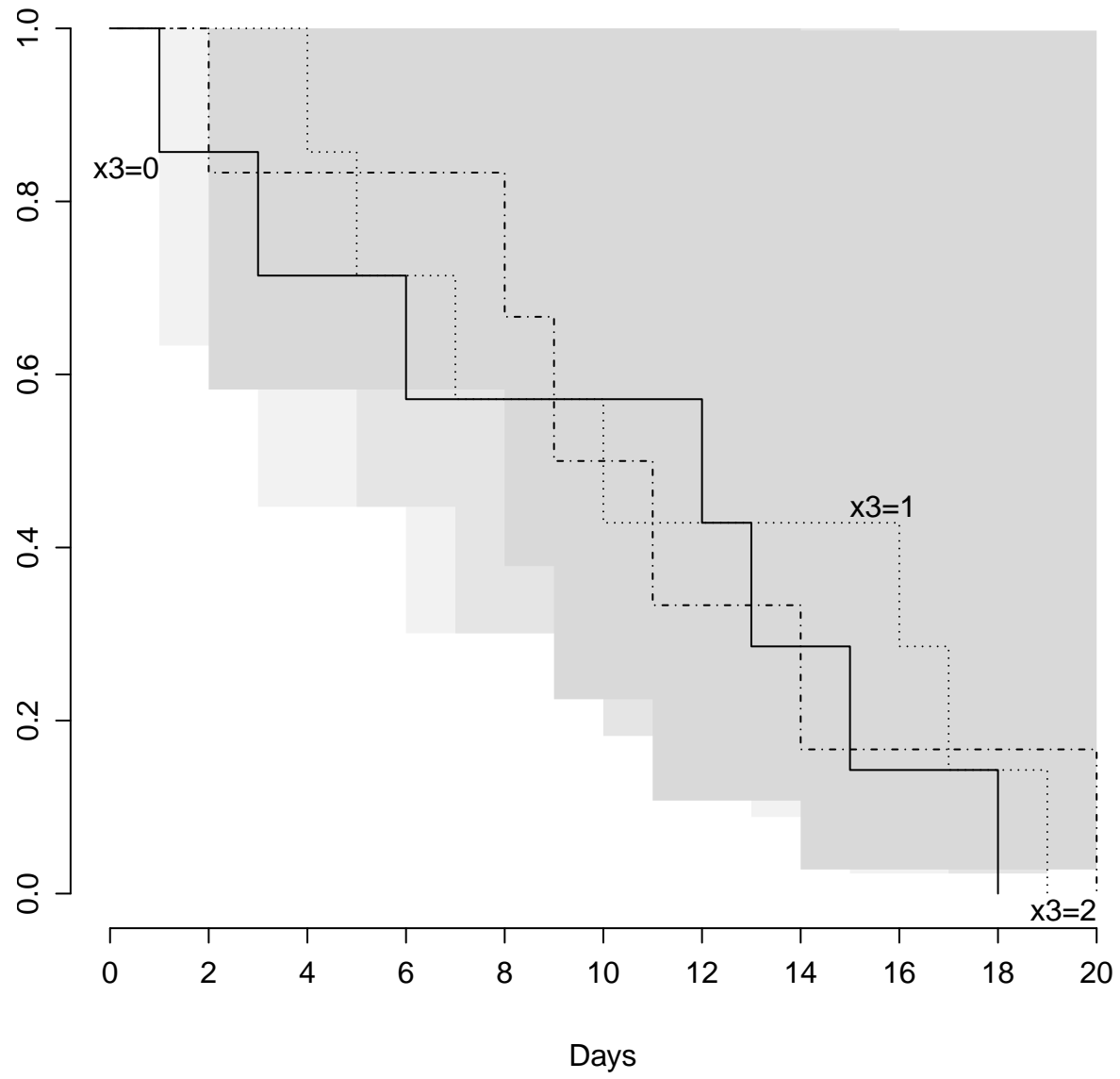
help("zzzrmsOverview")



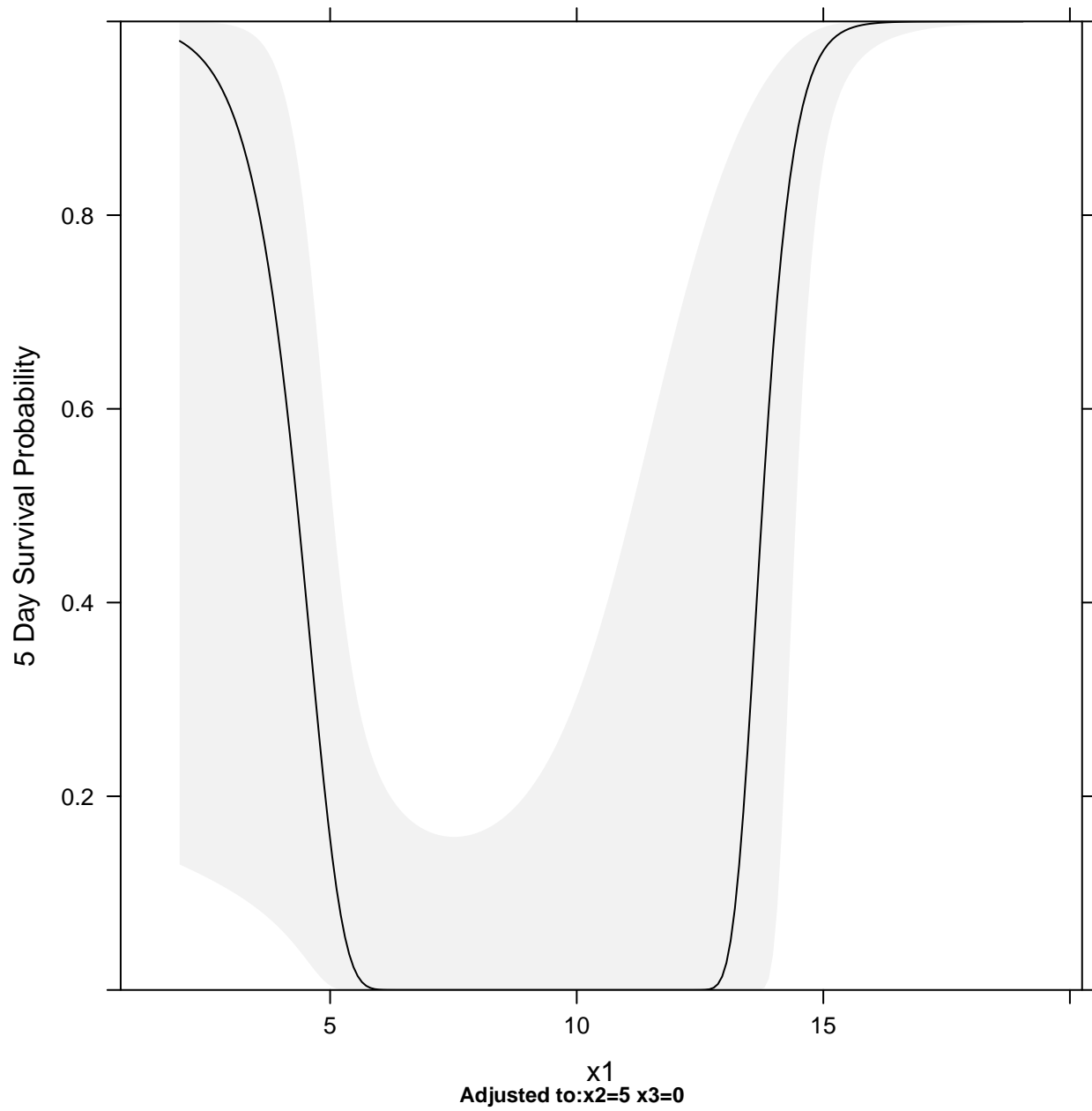
help("zzrmsOverview")

B= 10 repetitions, boot

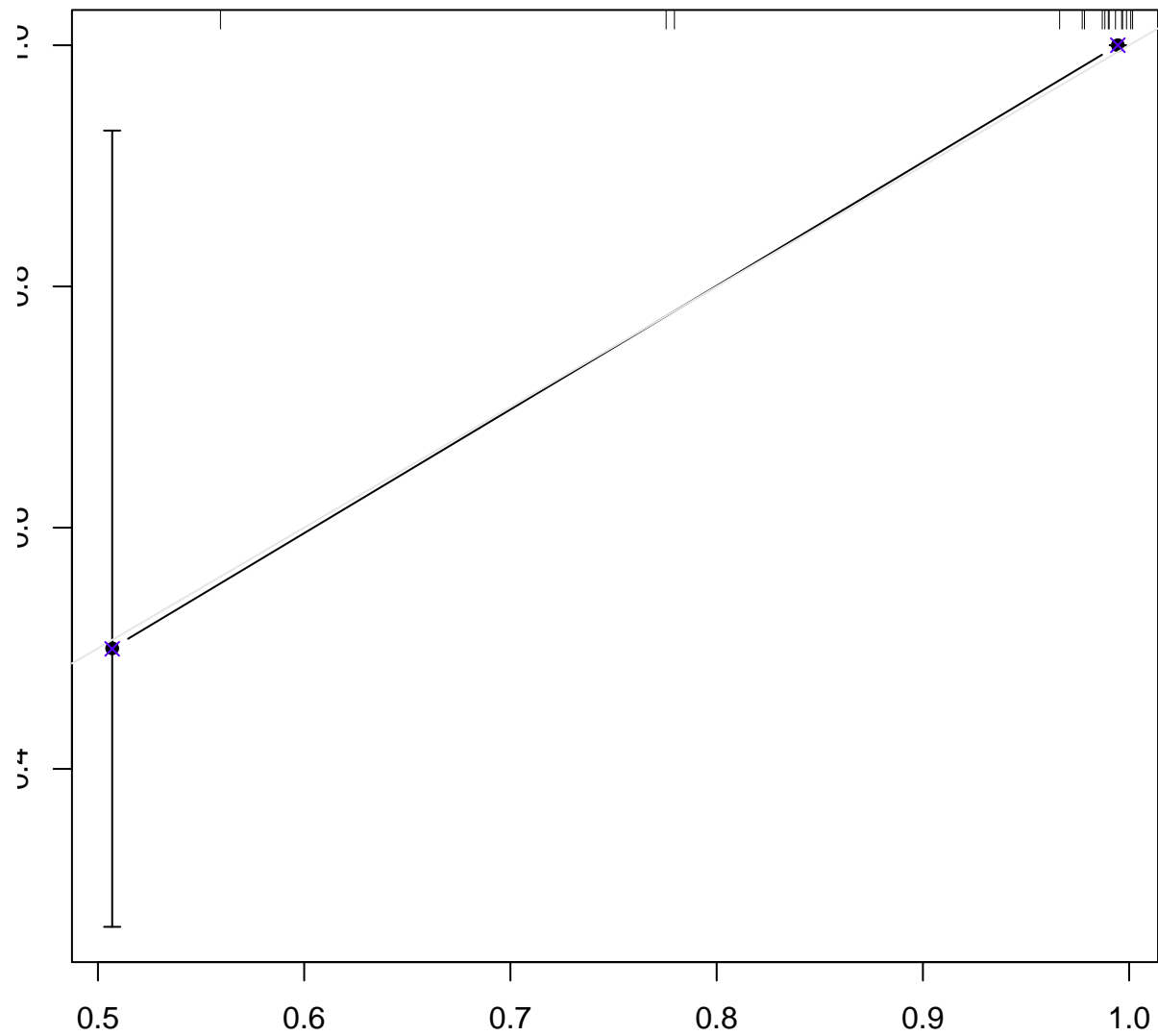
Mean absolute error=0.056 n=20



help("zzirmsOverview")

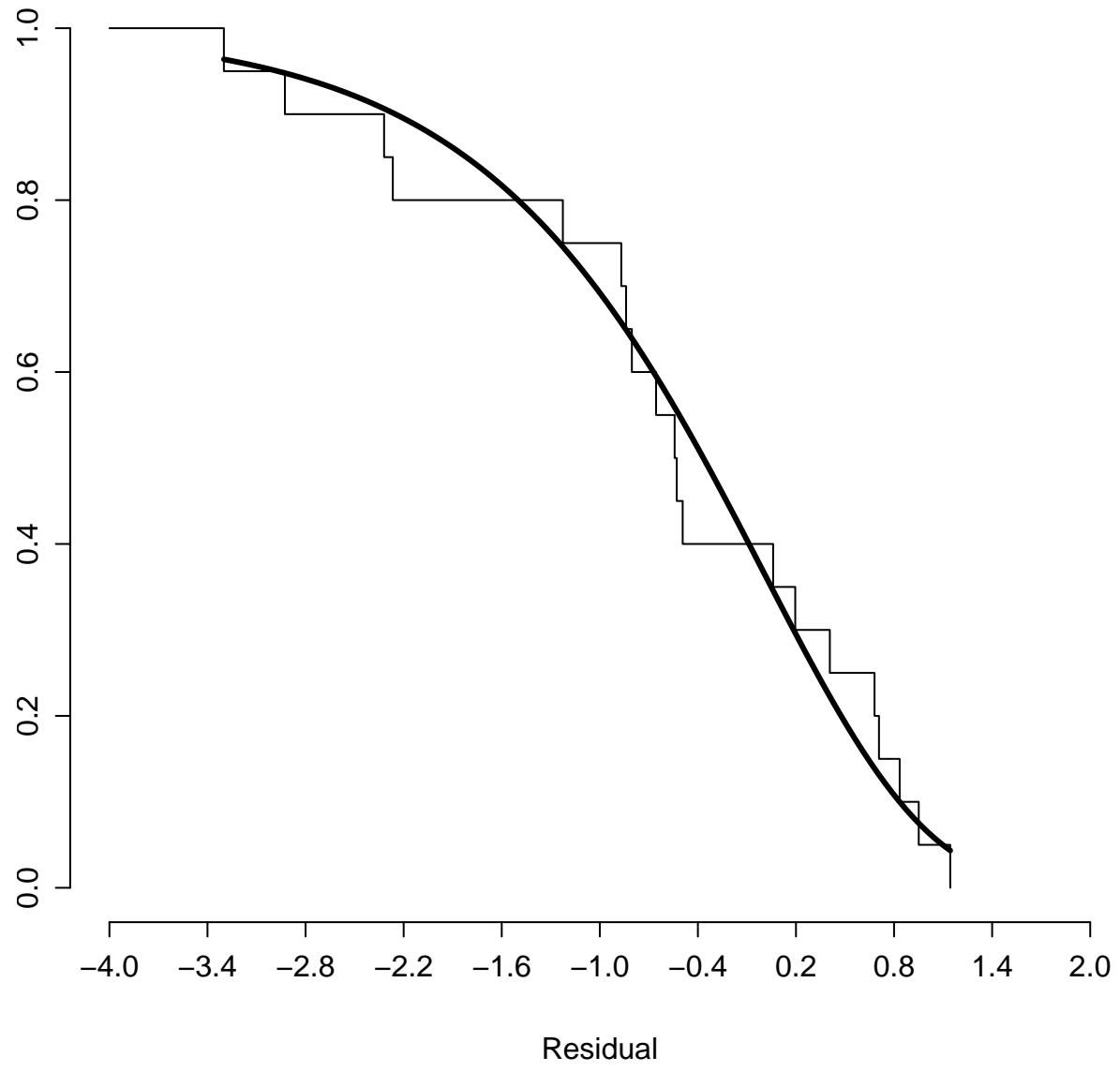


[help\("zzzrmsOverview"\)](#)

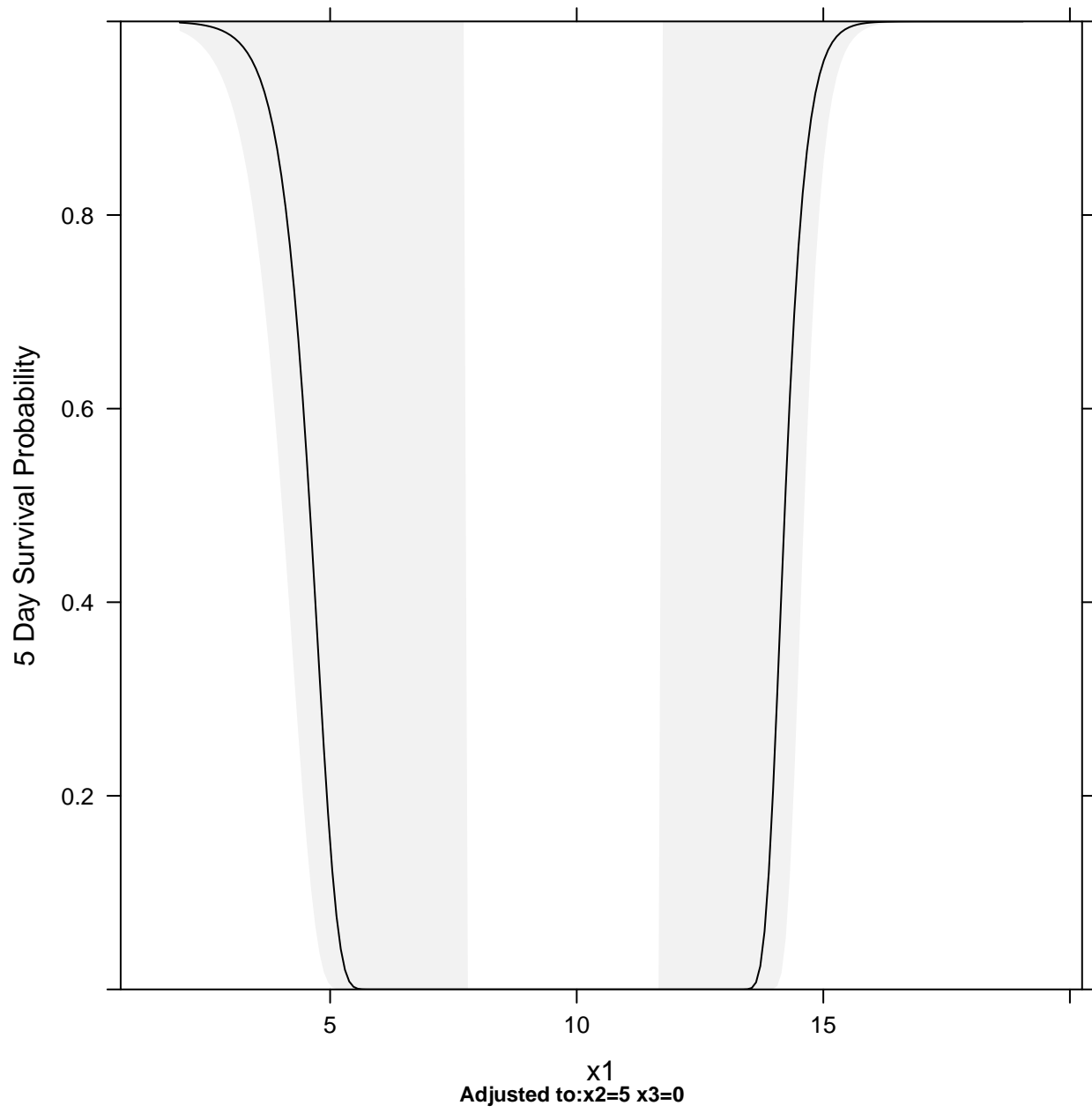


help("zzzrmsOverview")

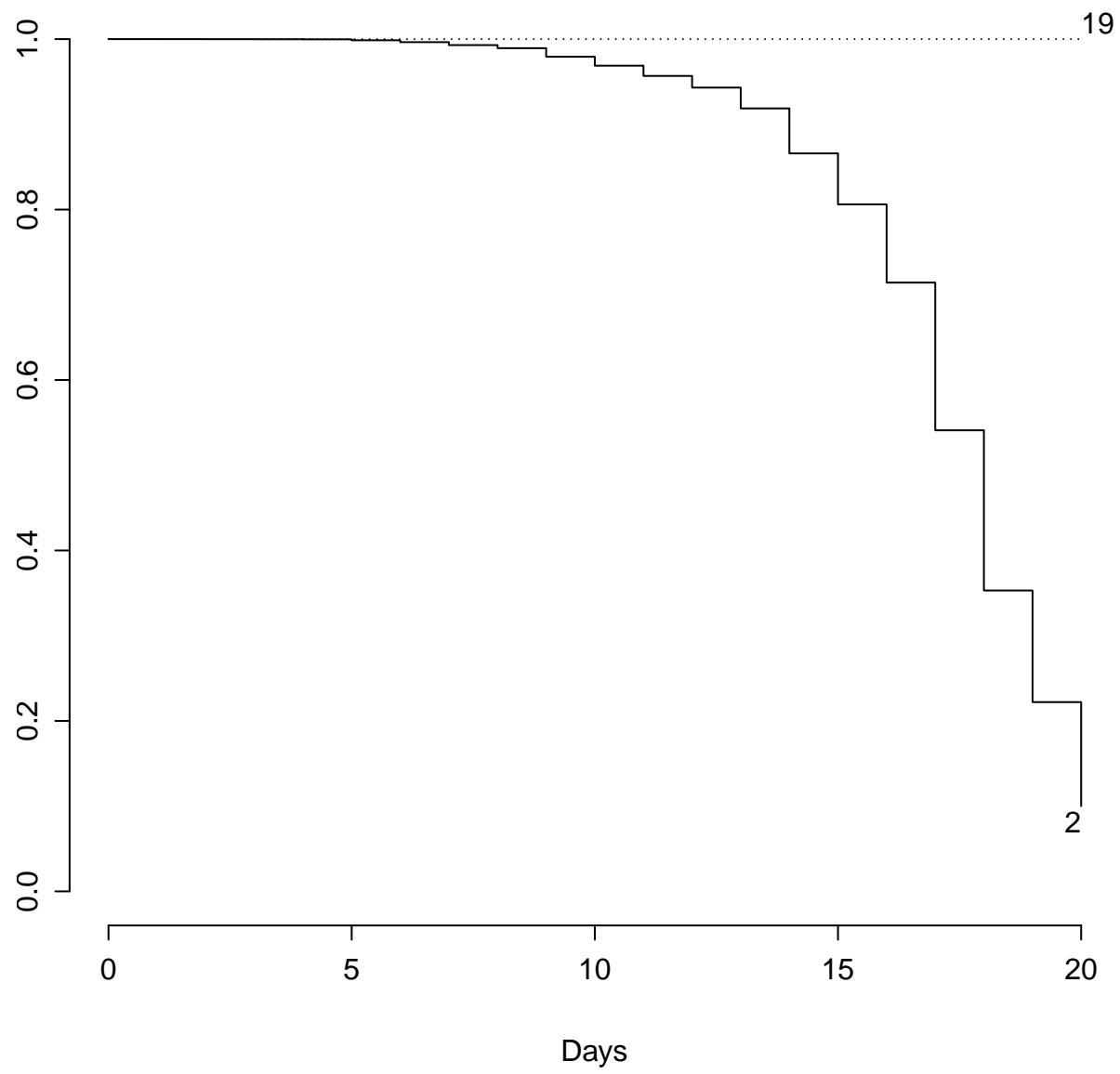
n=20 d=20 p=5, 10 subjects per group
 Gray: ideal
 Predicted 5 Day Survival
 x - resampling optimism added, B=10
 Based on observed-predicted



[help\("zzrmsOverview"\)](#)



`help("zzzrmsOverview")`



help("zzzrmsOverview")

Adjusted to: x2=5 x3=0