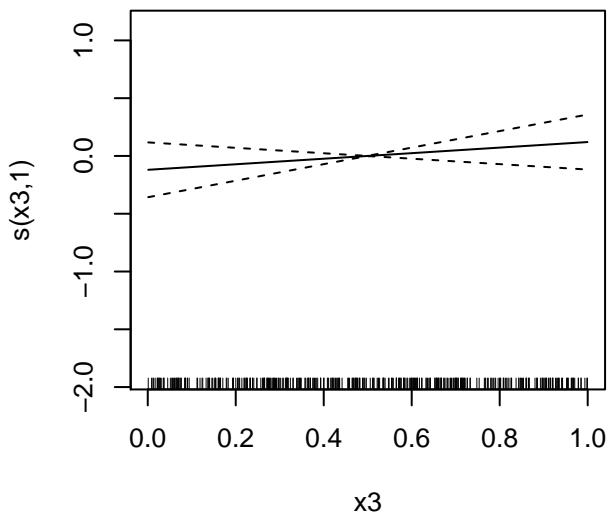
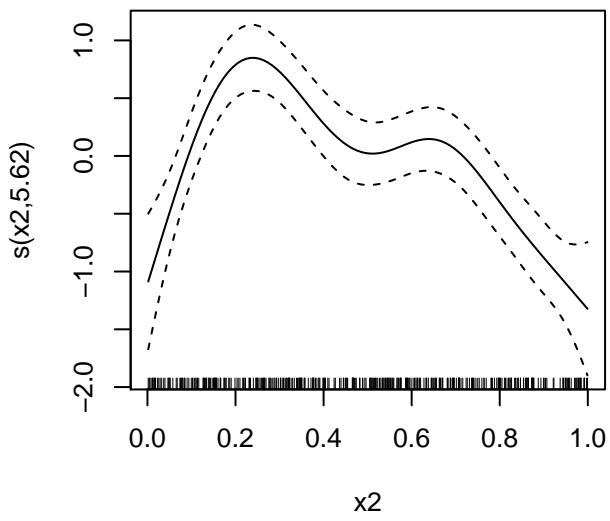
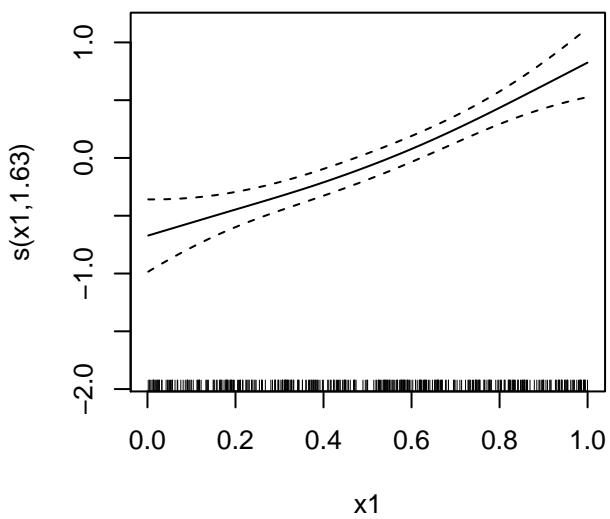
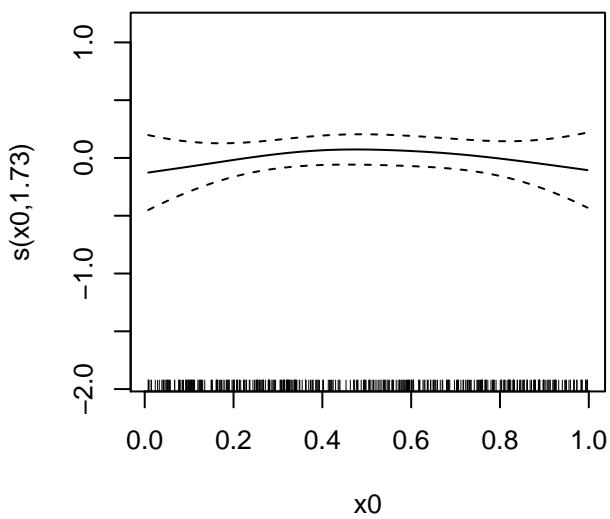
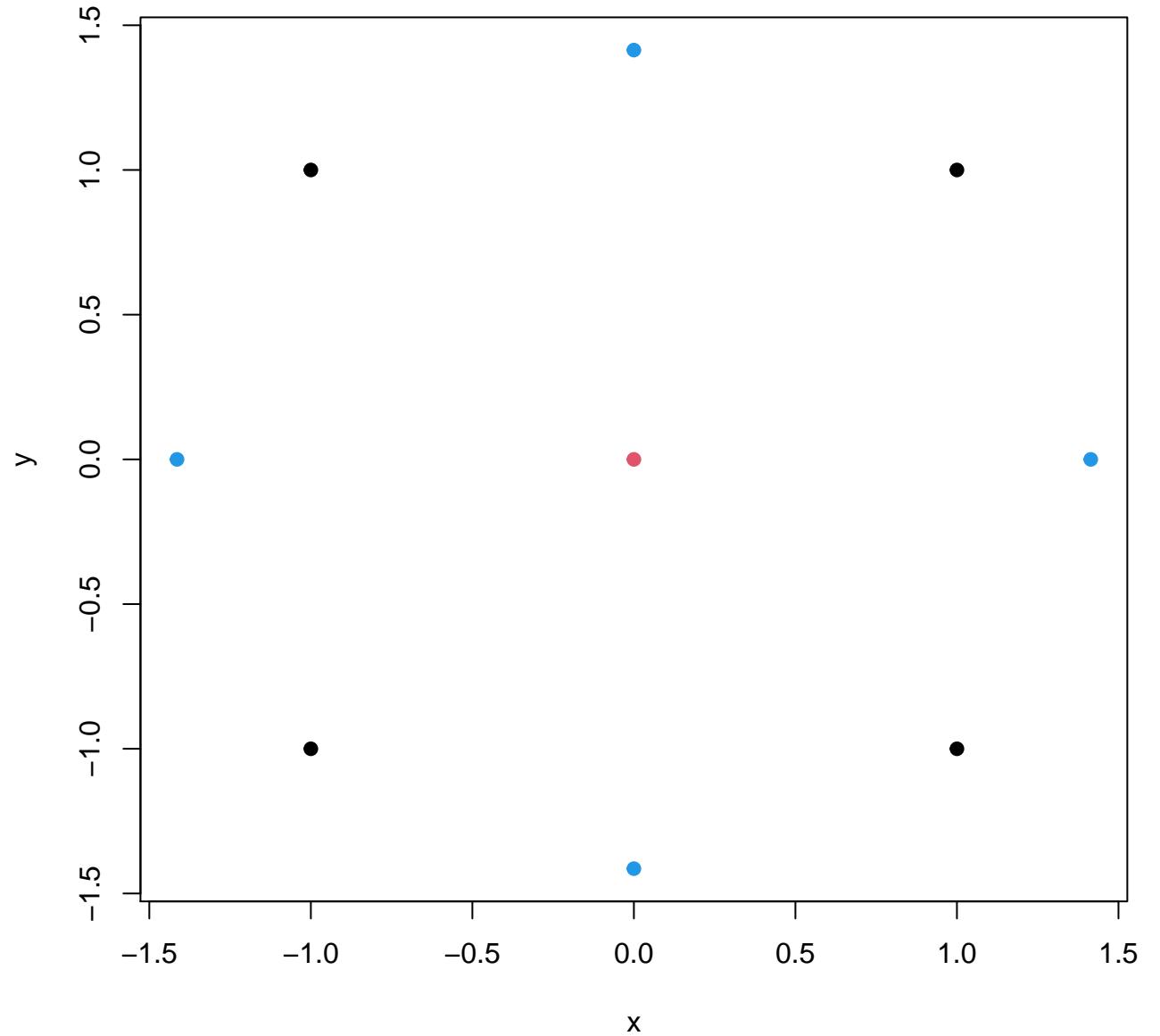


help("Beta")



# CCD



help("FFdes")

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0.0

-0.5

-1

0

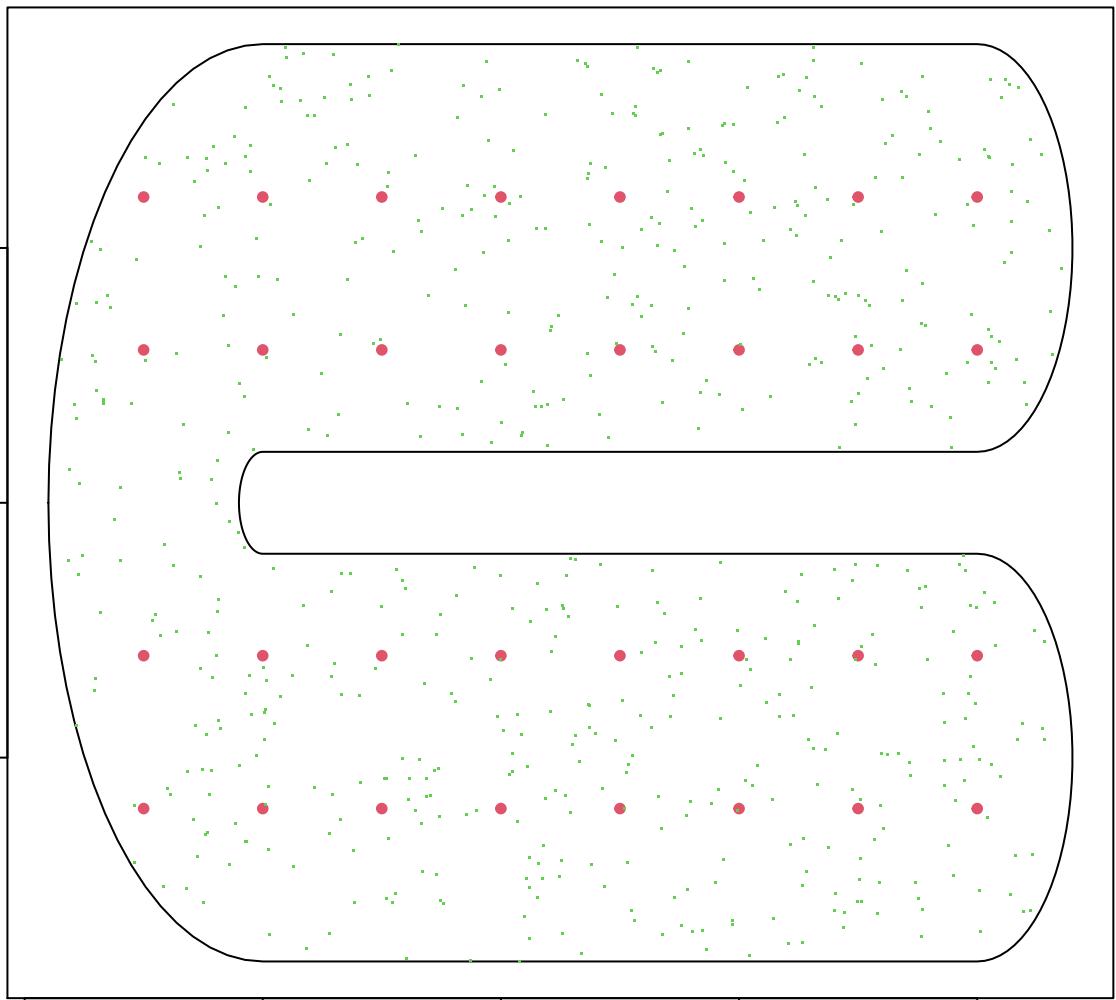
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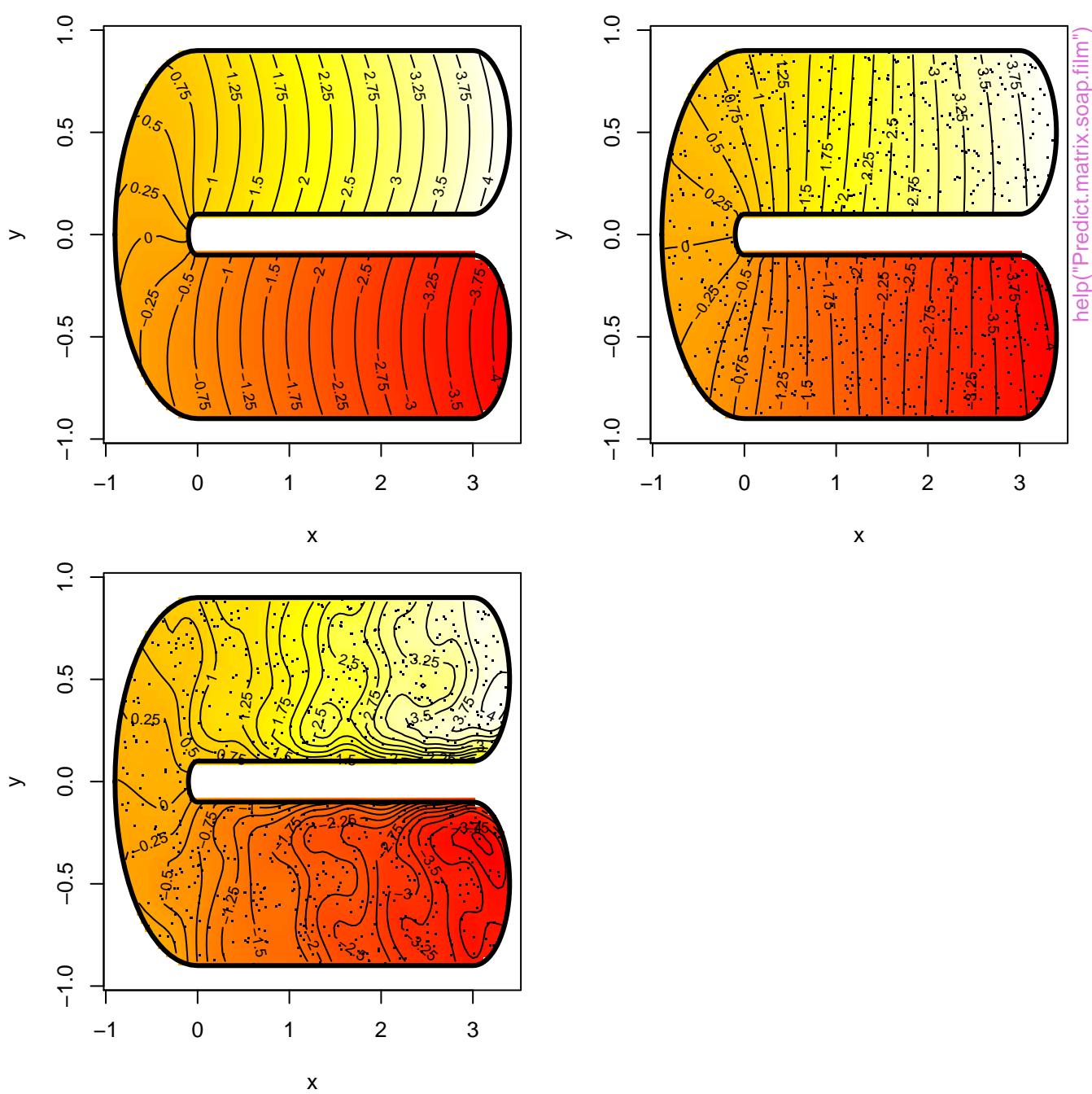
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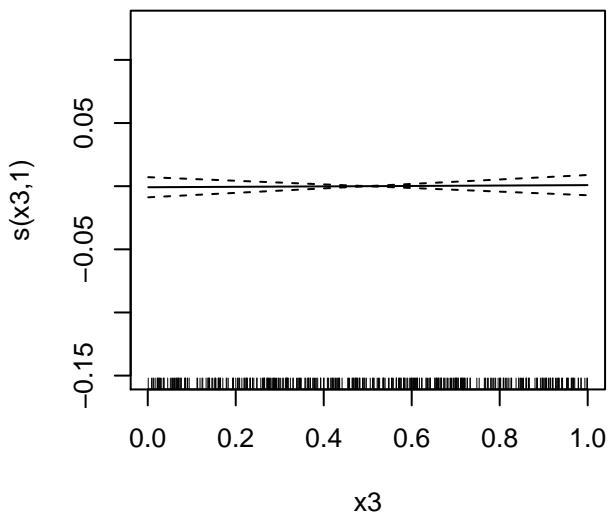
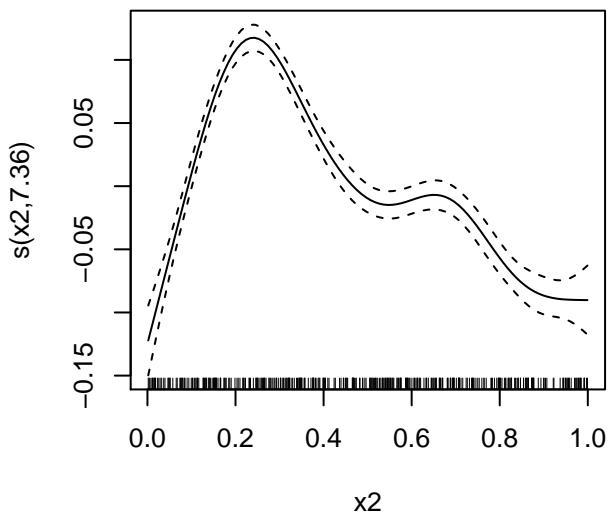
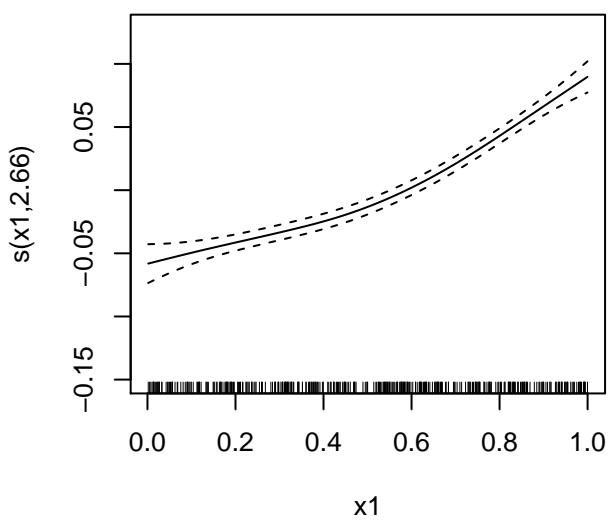
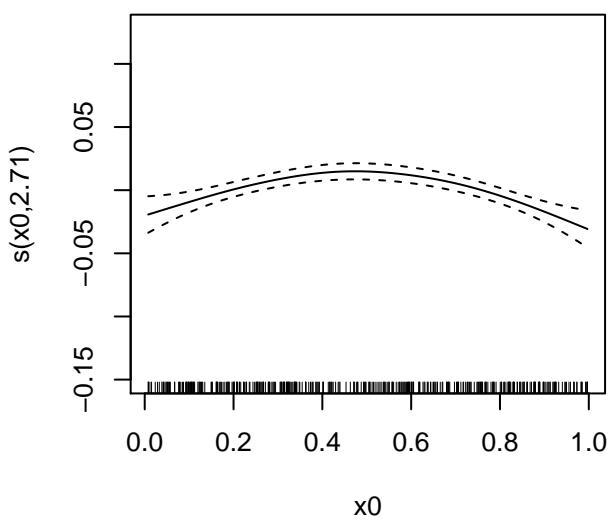
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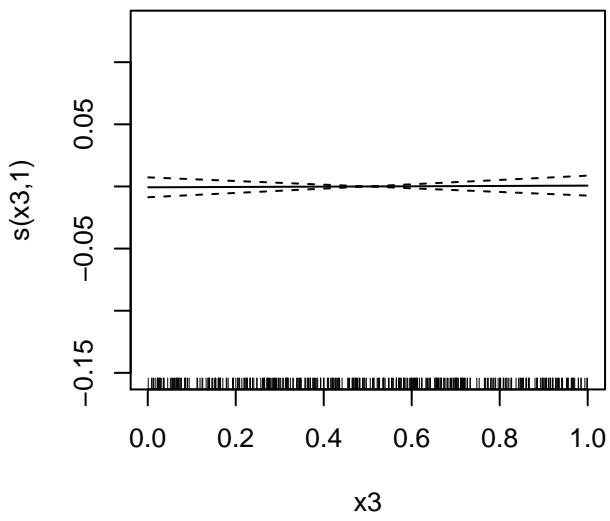
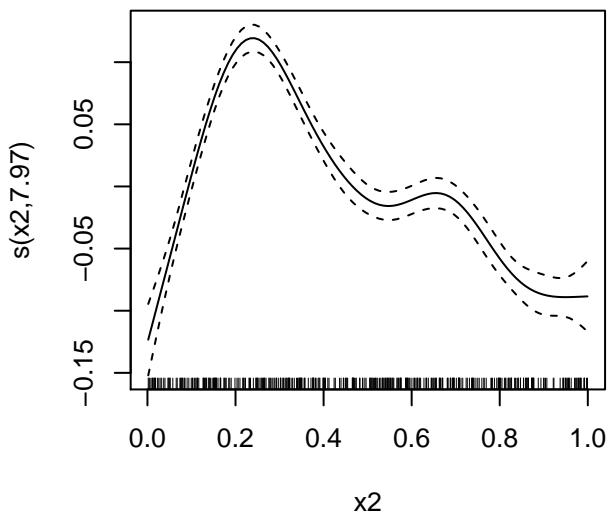
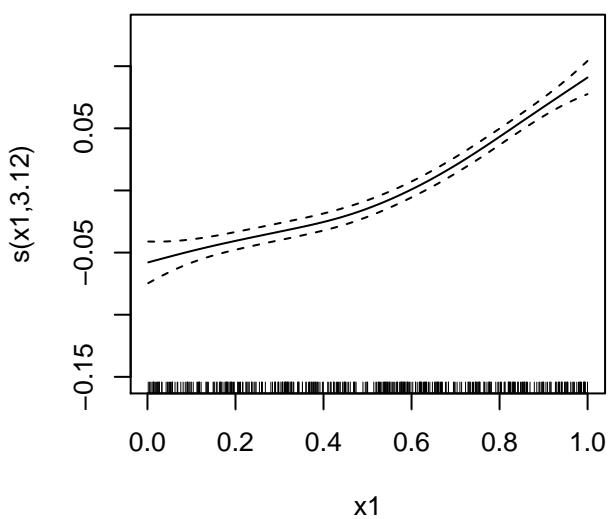
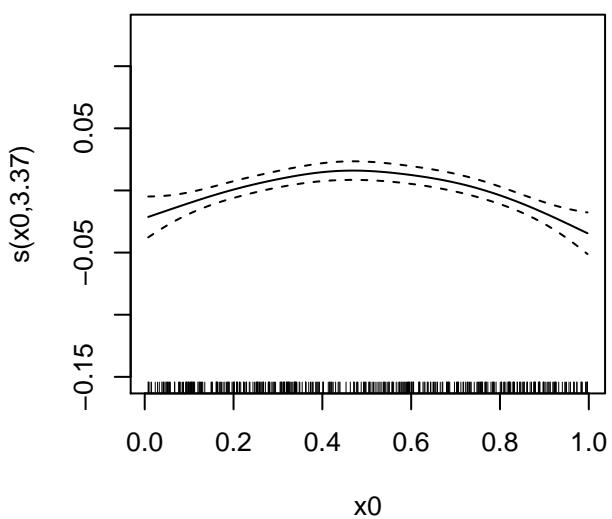
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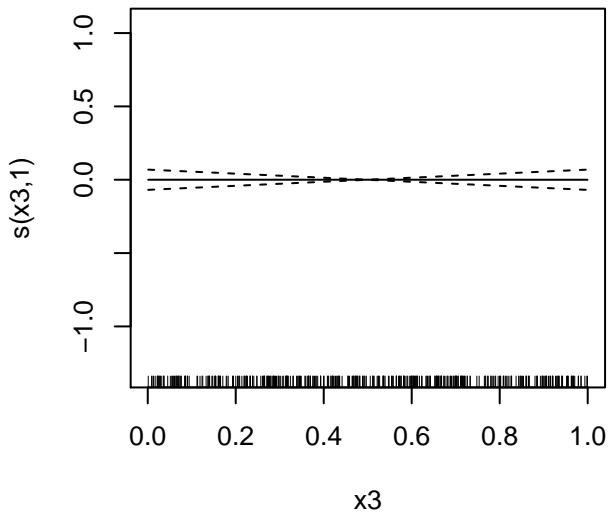
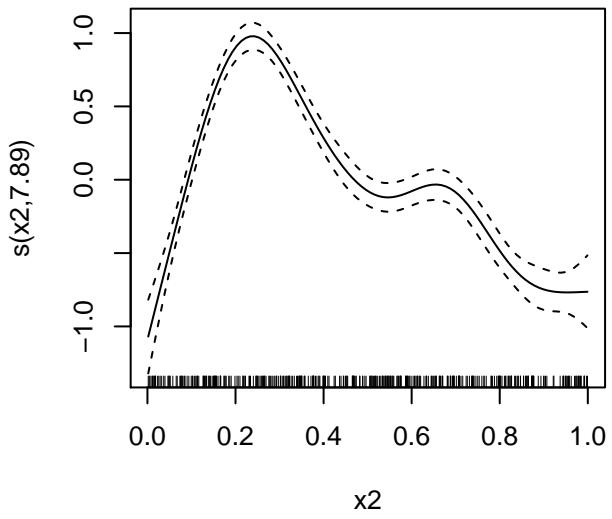
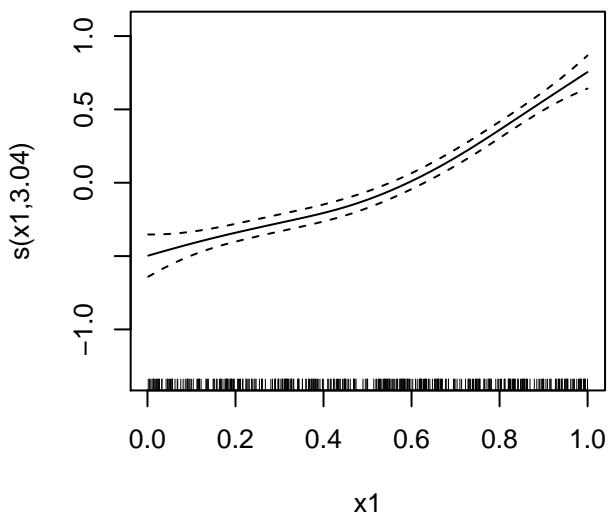
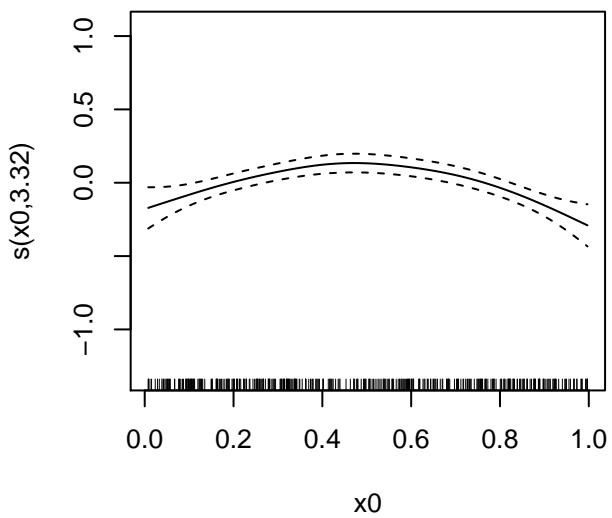




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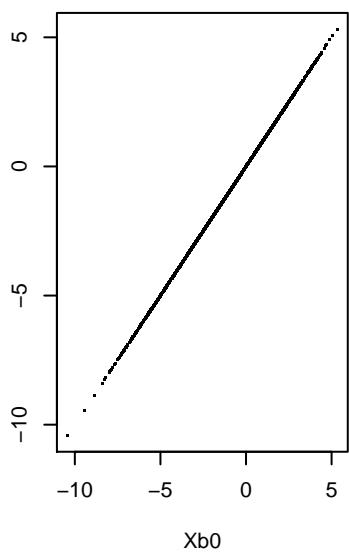
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help("Tweedie")

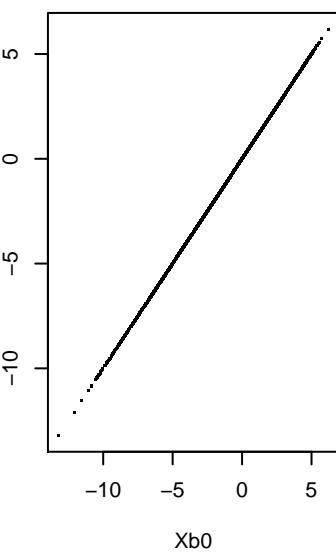
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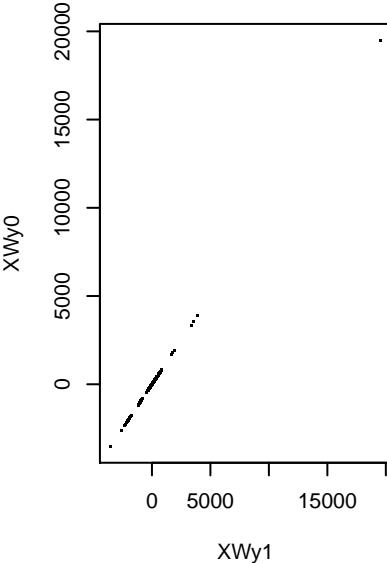
Xb0

Xb1



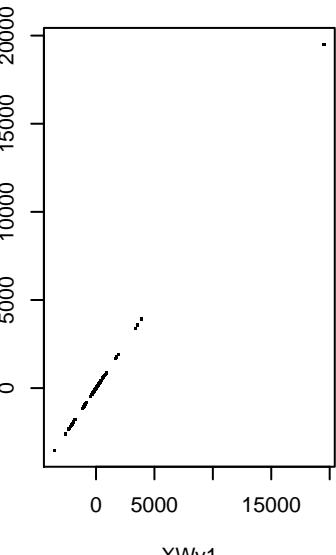
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XWy0



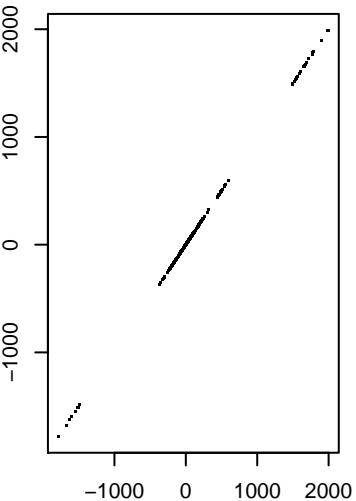
XWy1

XWy0



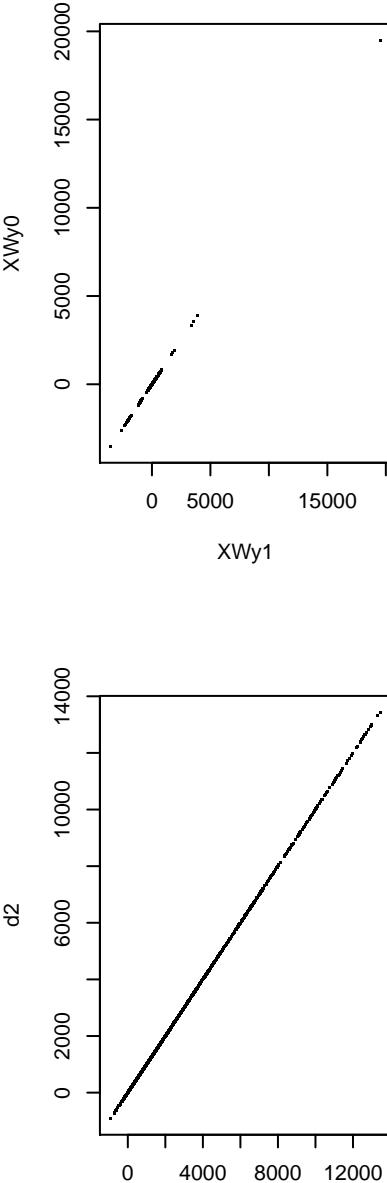
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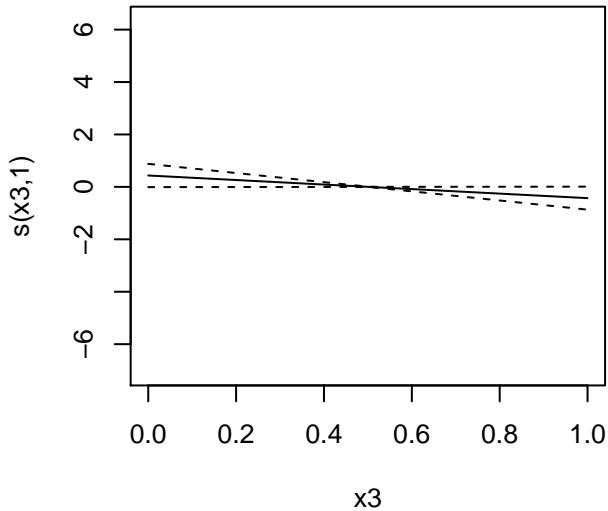
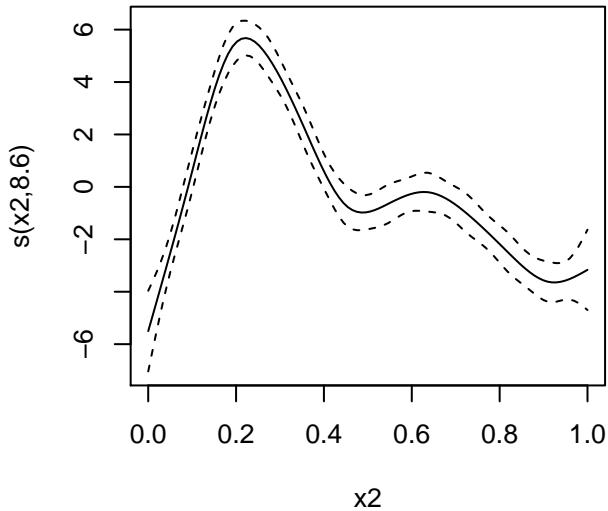
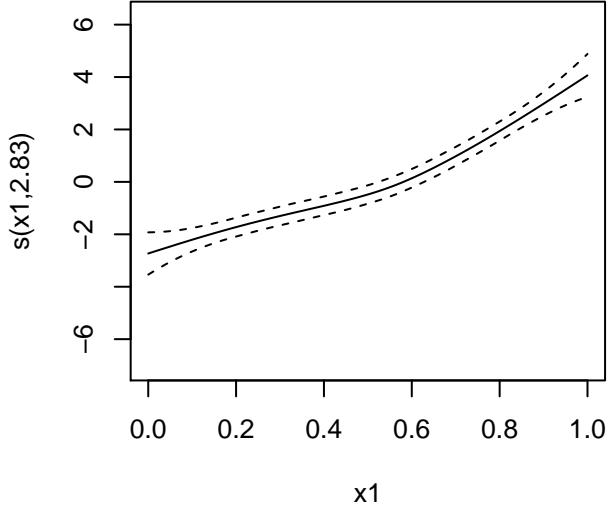
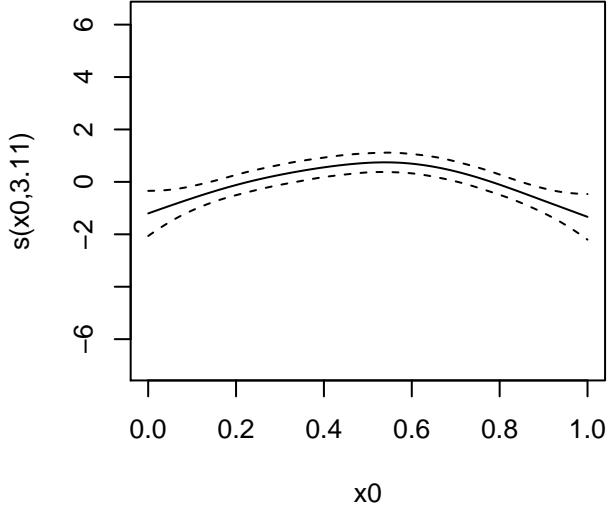


A

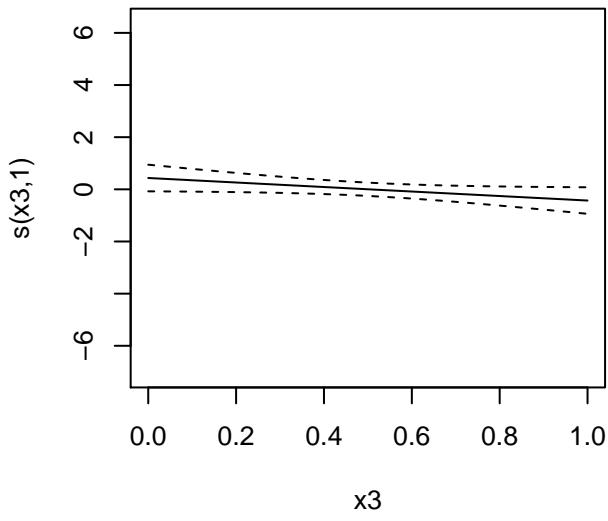
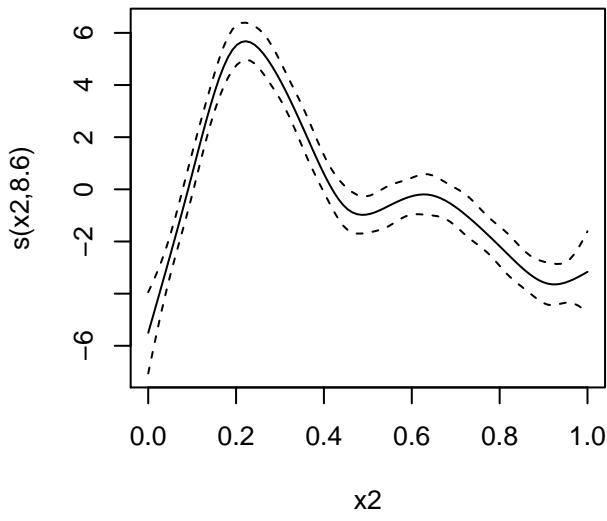
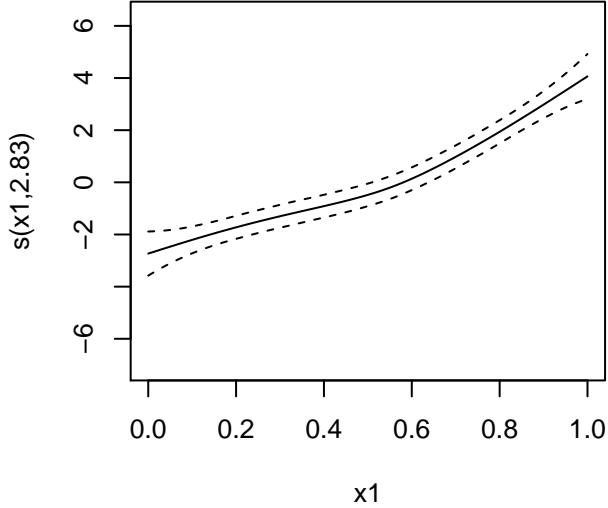
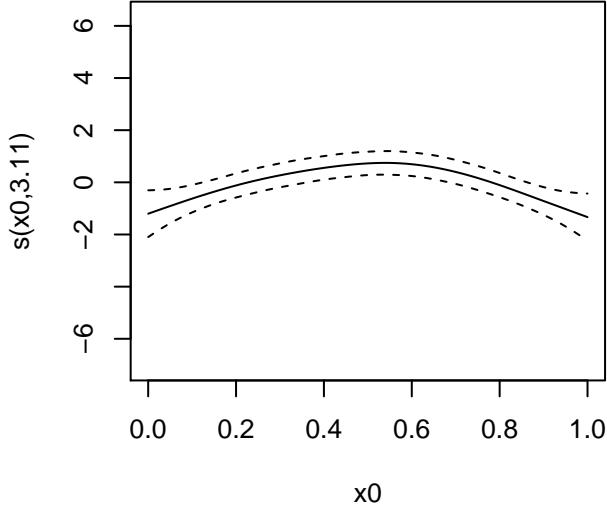
d2



d1

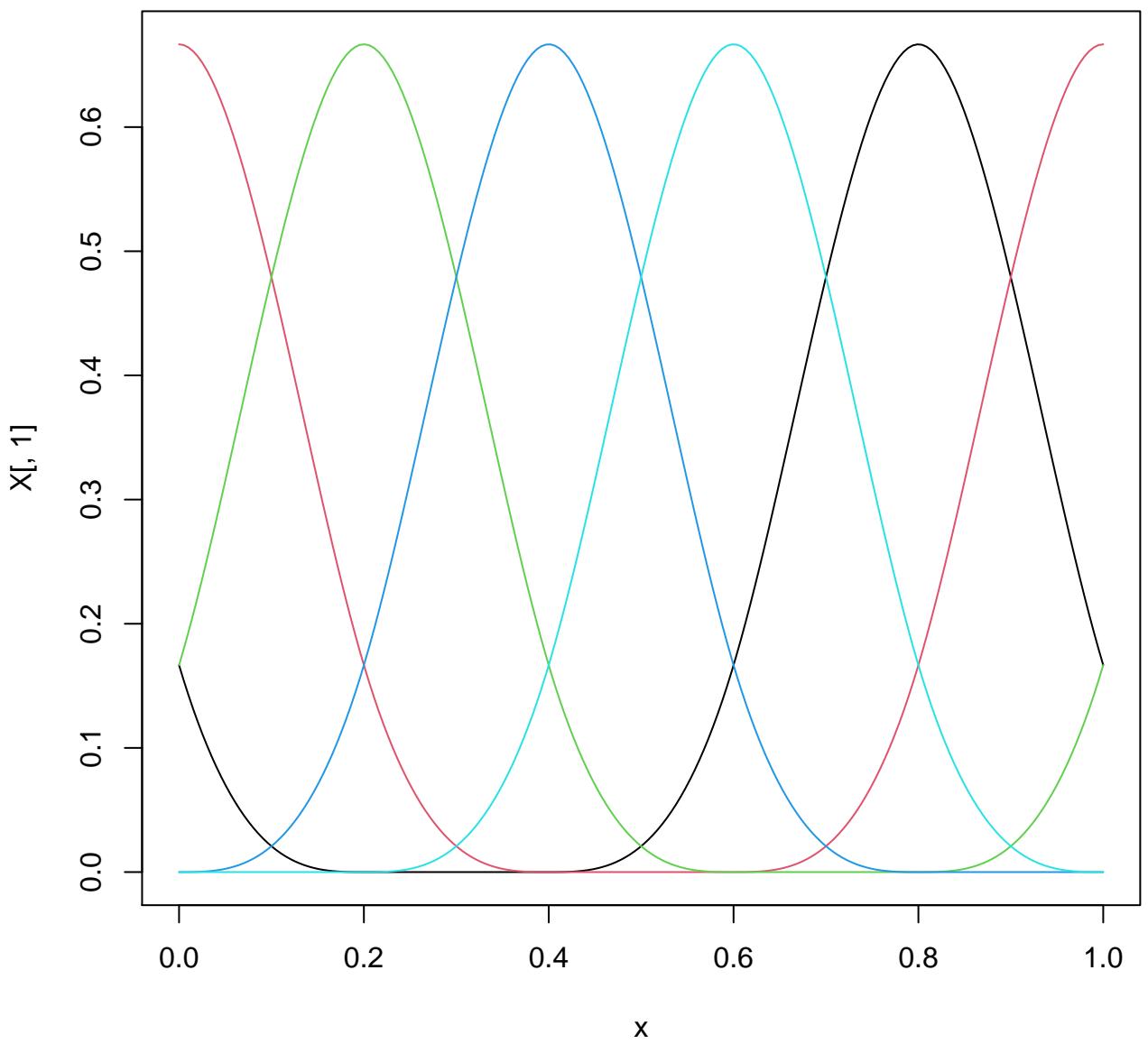


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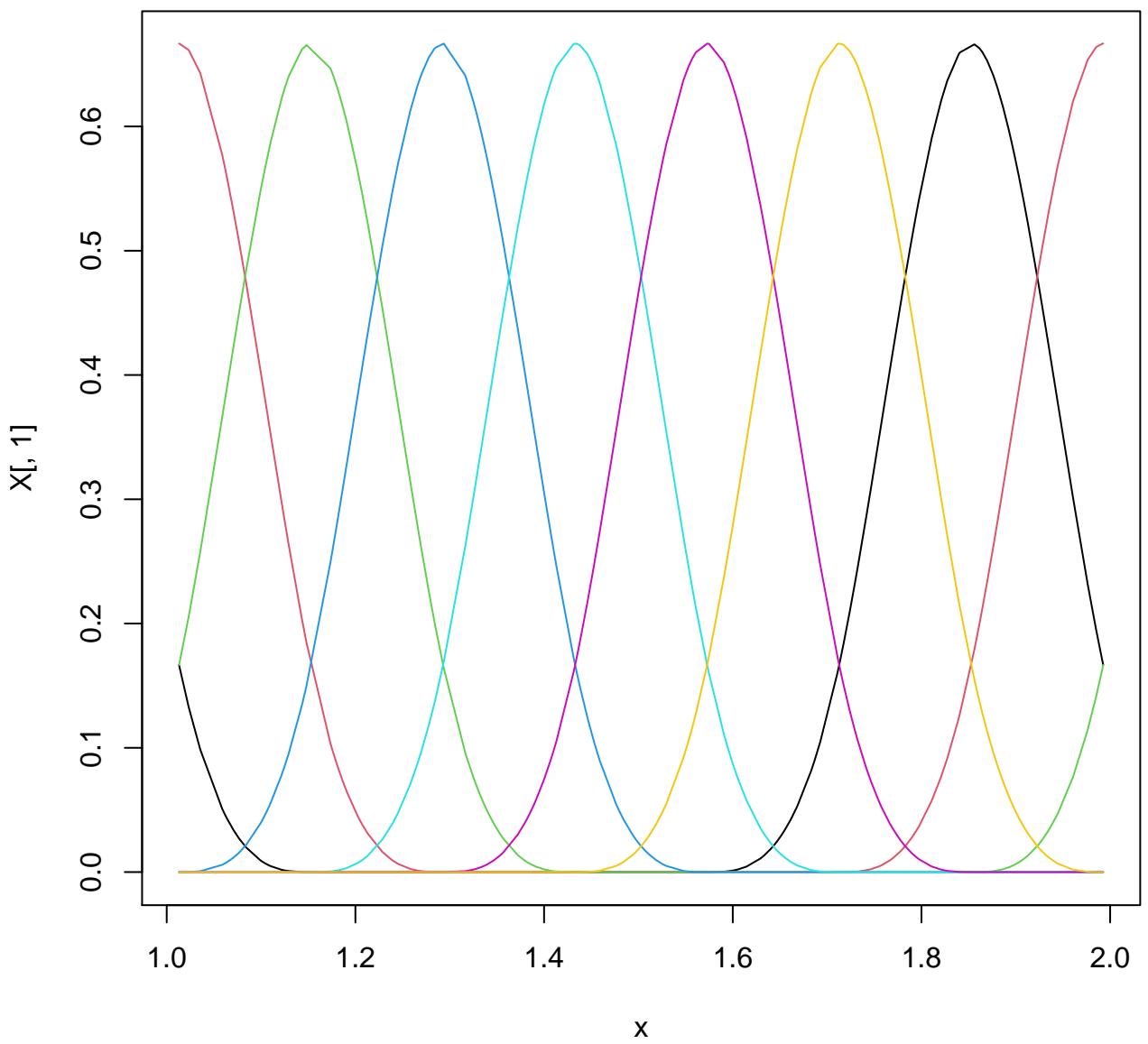


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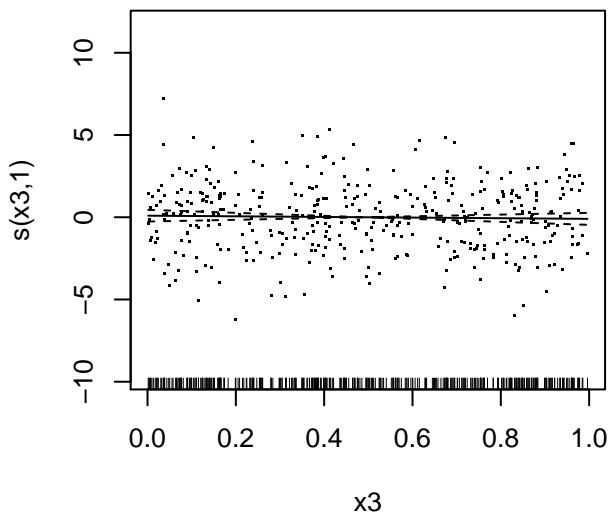
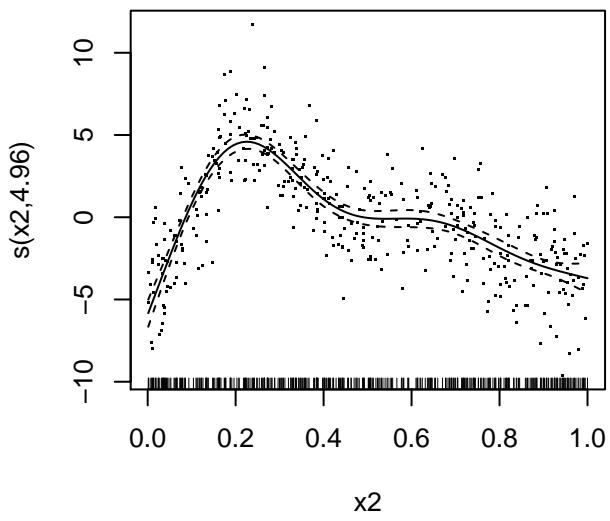
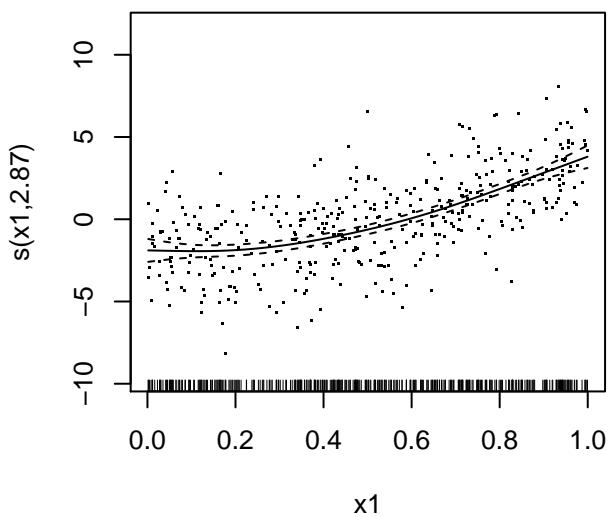
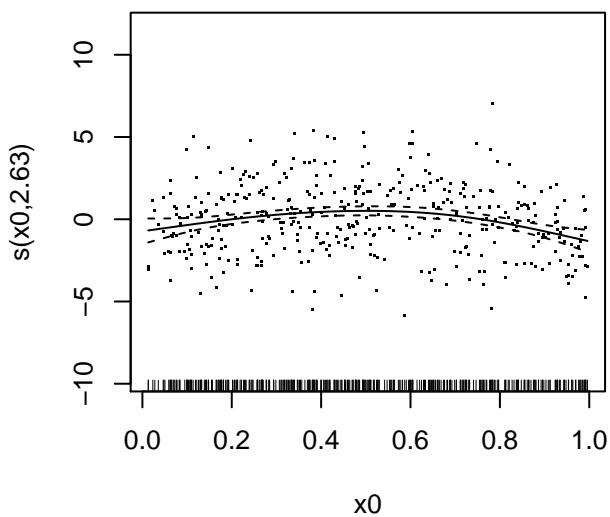
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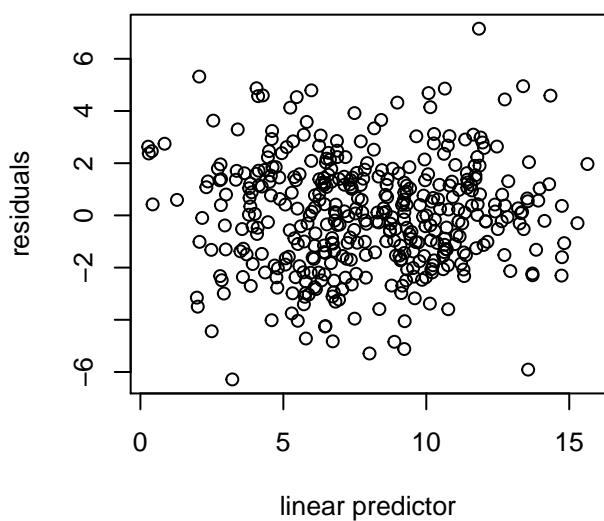
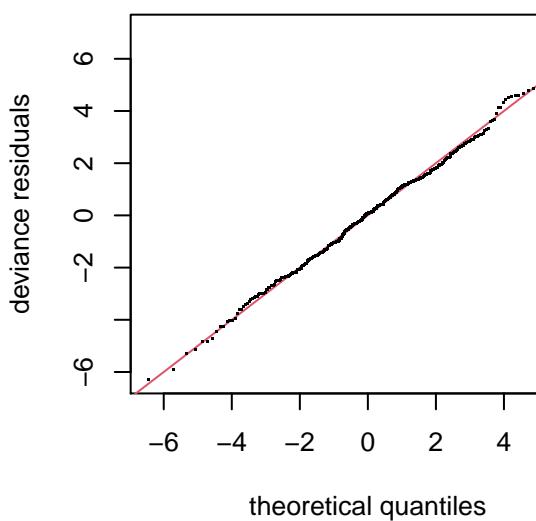
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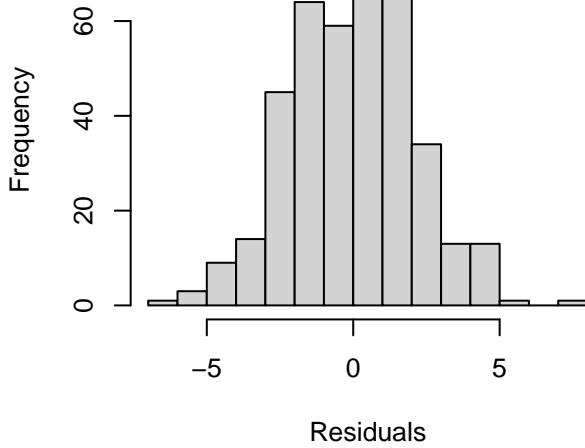
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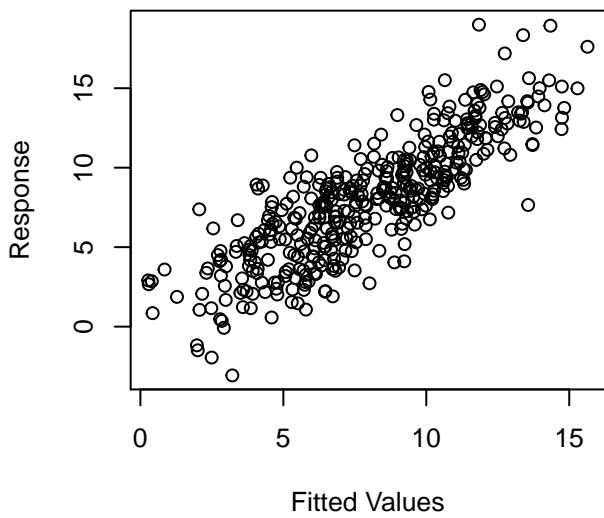
## Resids vs. linear pred.



## Histogram of residuals

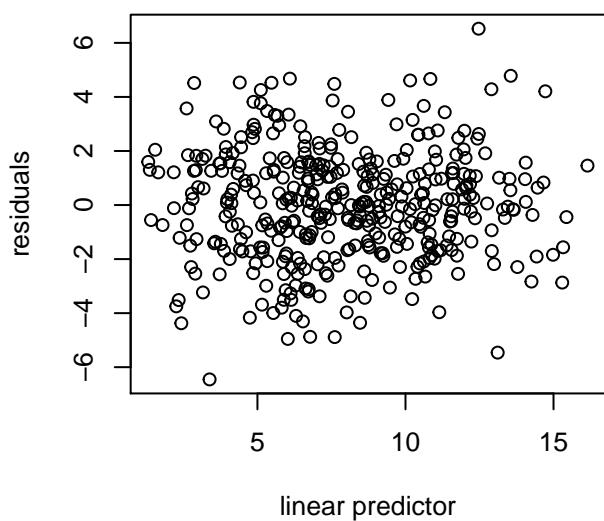
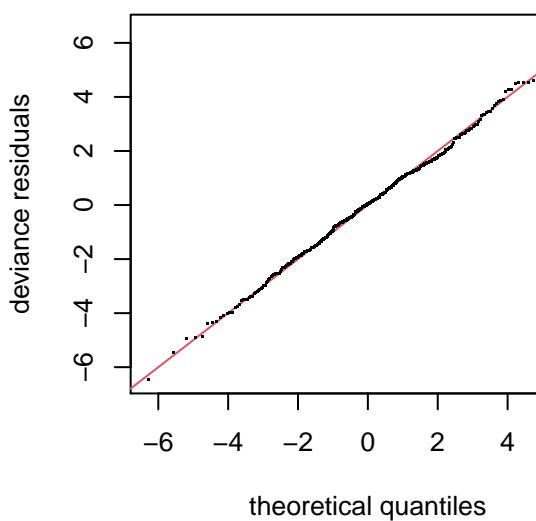


## Response vs. Fitted Values

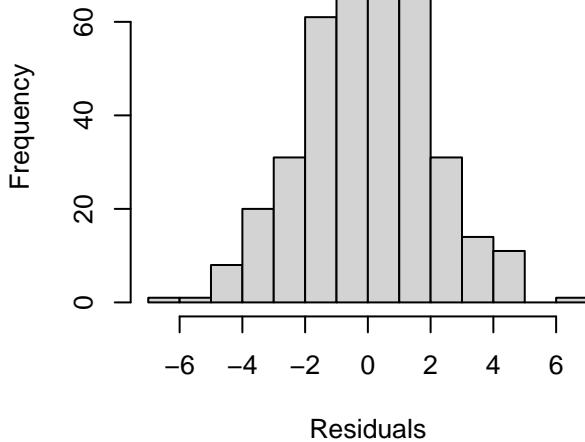


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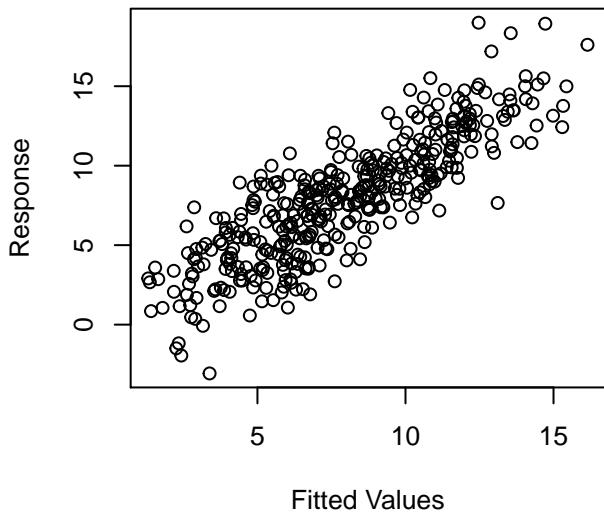
## Resids vs. linear pred.



## Histogram of residuals

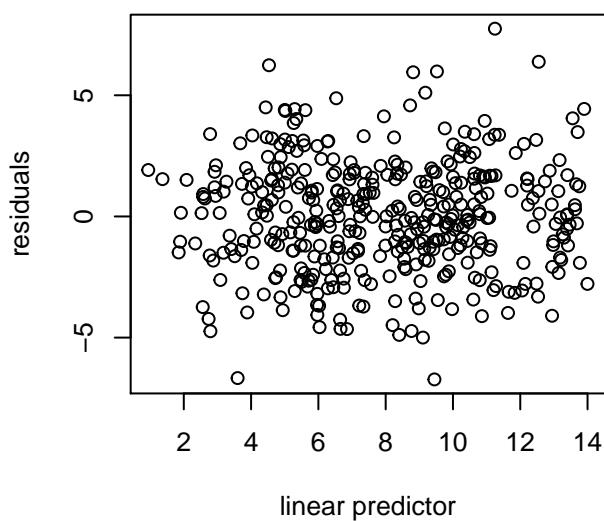
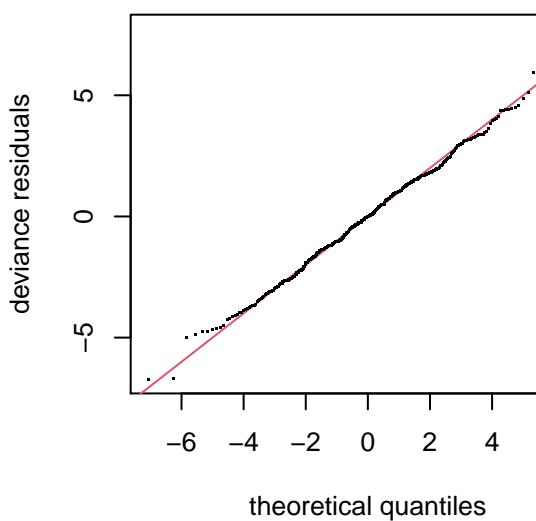


## Response vs. Fitted Values

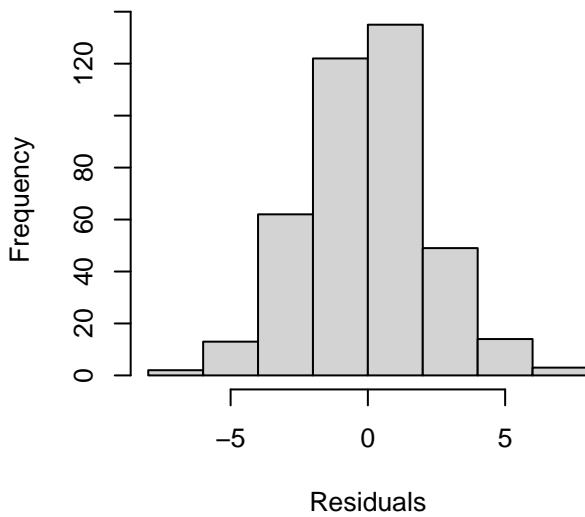


help("choose.k")

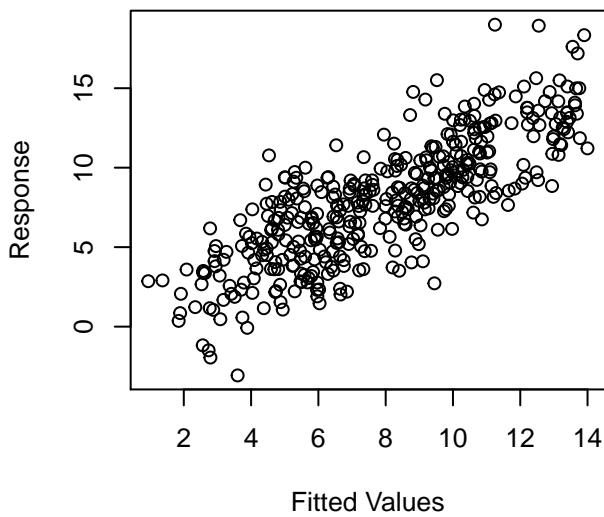
## Resids vs. linear pred.



## Histogram of residuals

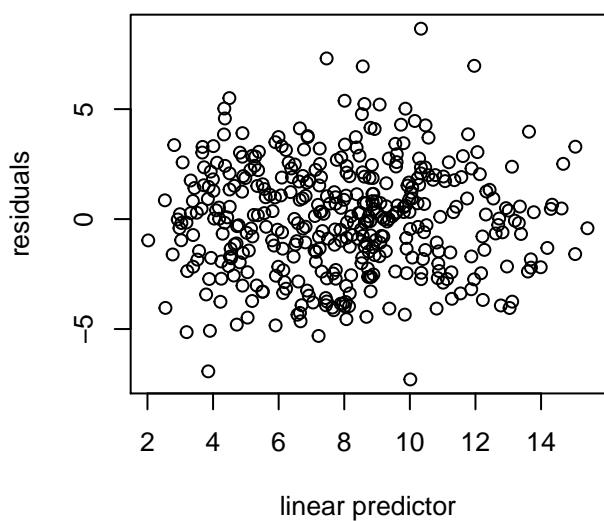
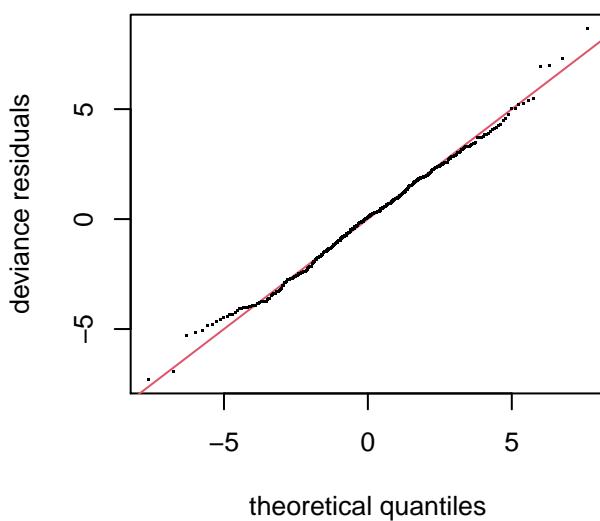


## Response vs. Fitted Values

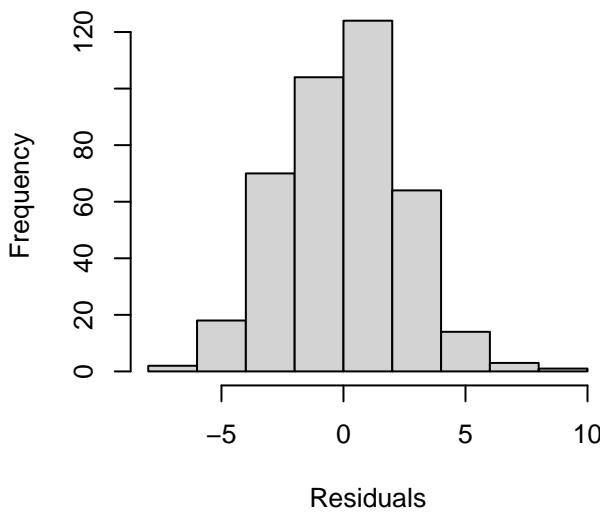


help("choose.k")

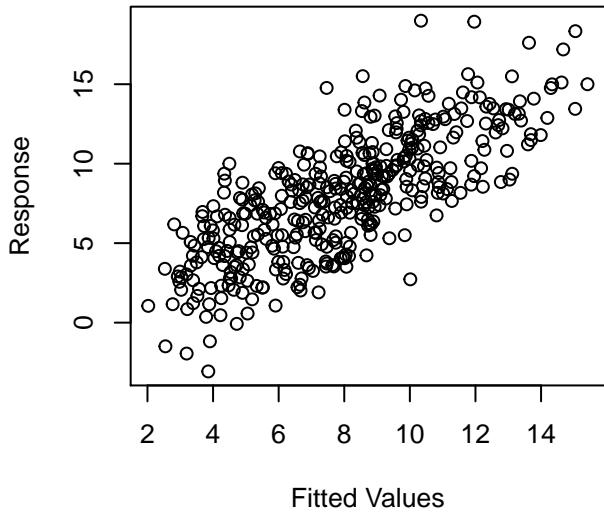
## Resids vs. linear pred.



## Histogram of residuals

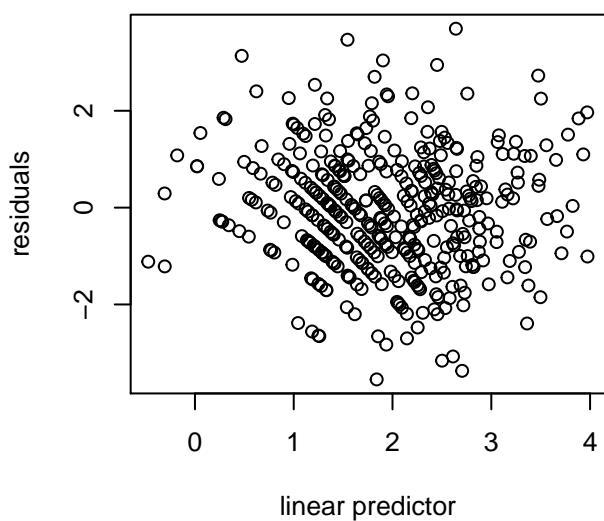
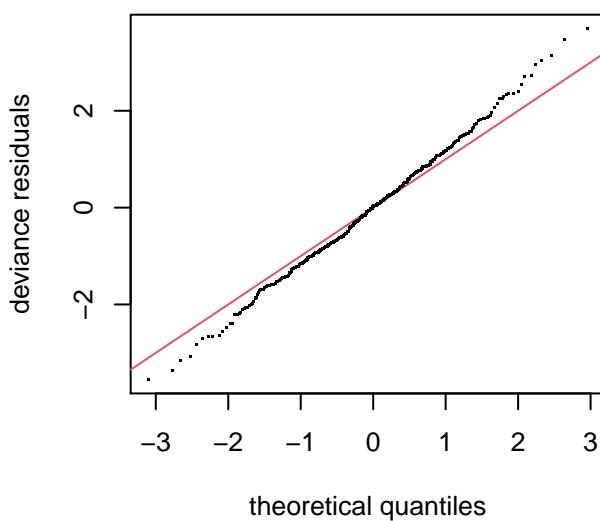


## Response vs. Fitted Values

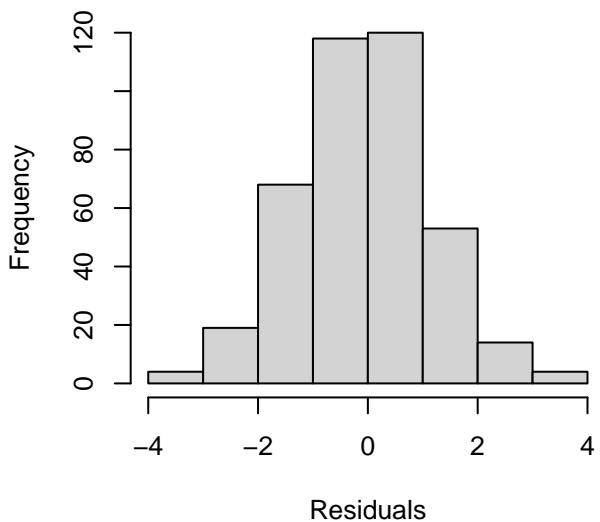


help("choose.k")

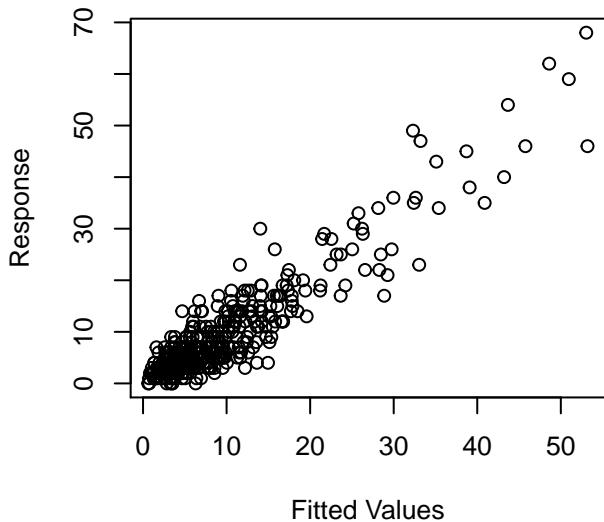
## Resids vs. linear pred.



## Histogram of residuals

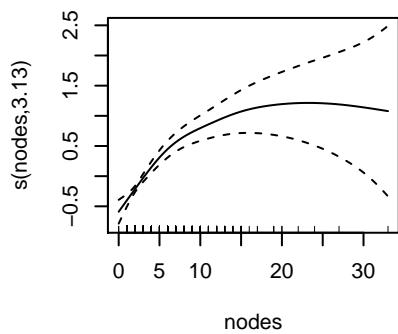
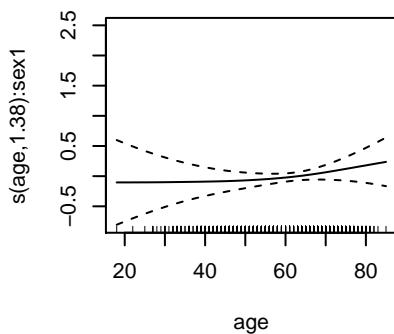
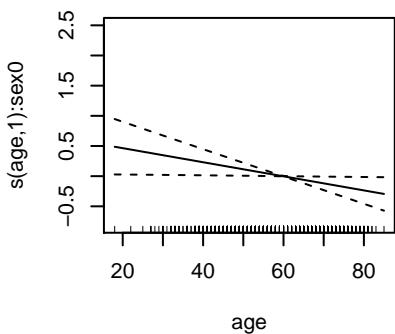


## Response vs. Fitted Values

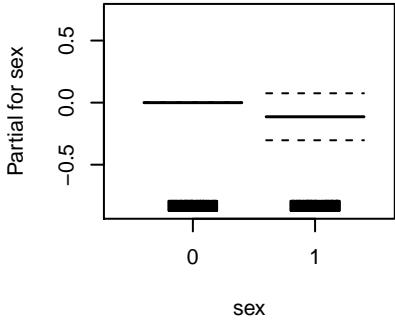


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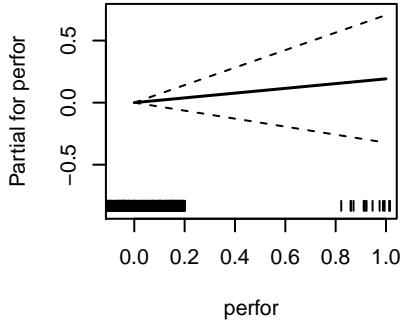
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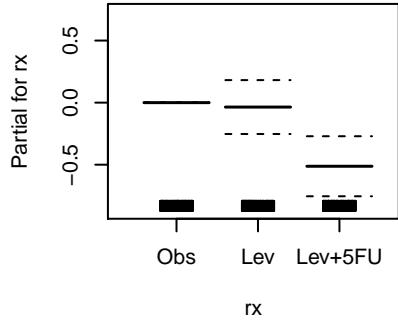
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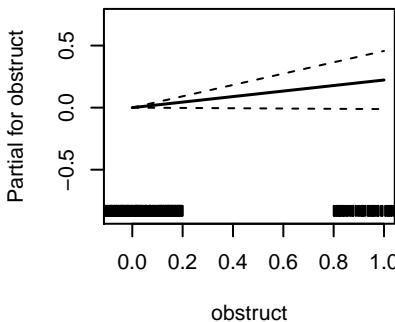
**perfor**



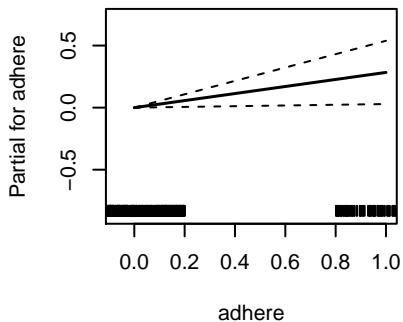
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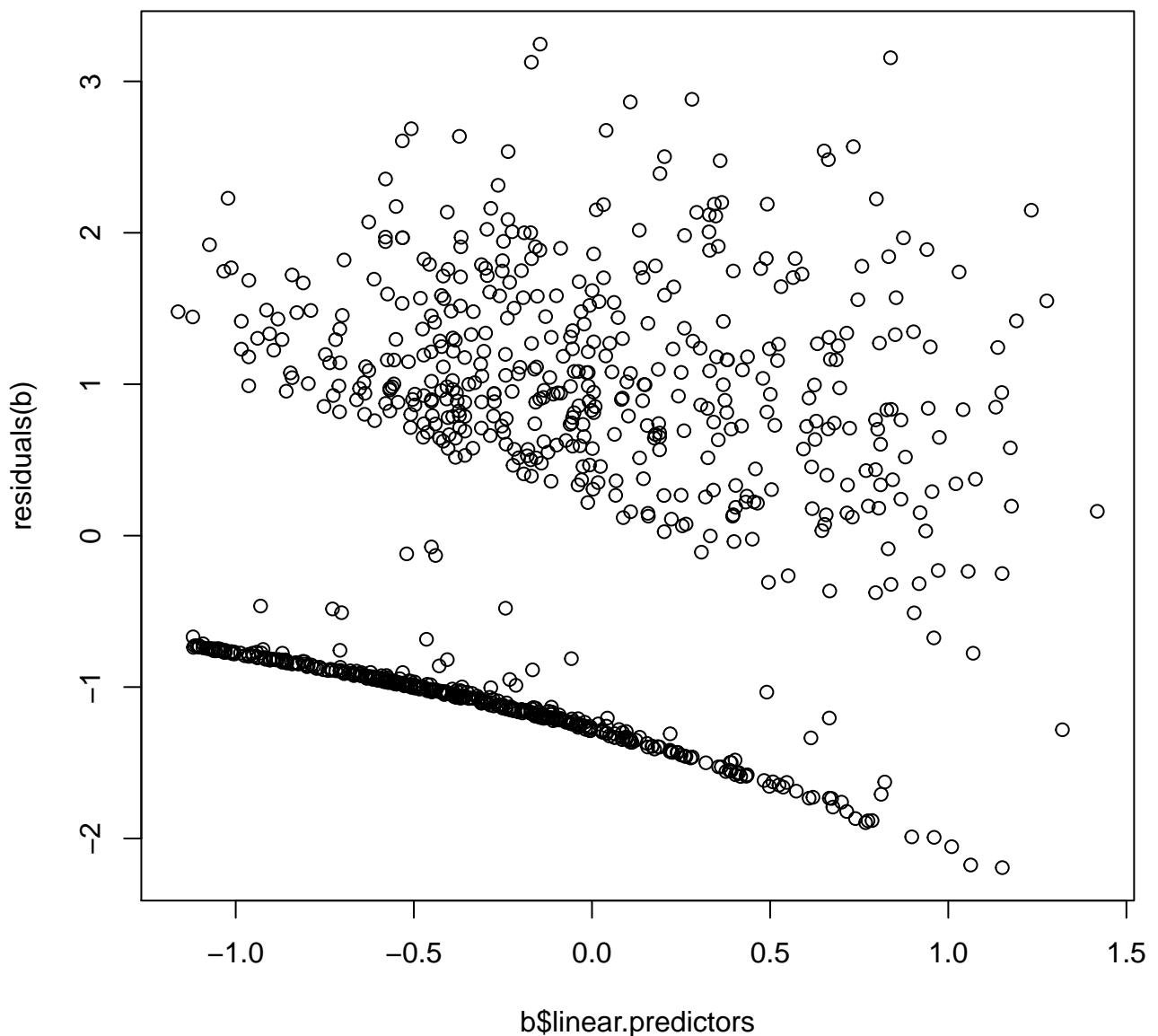
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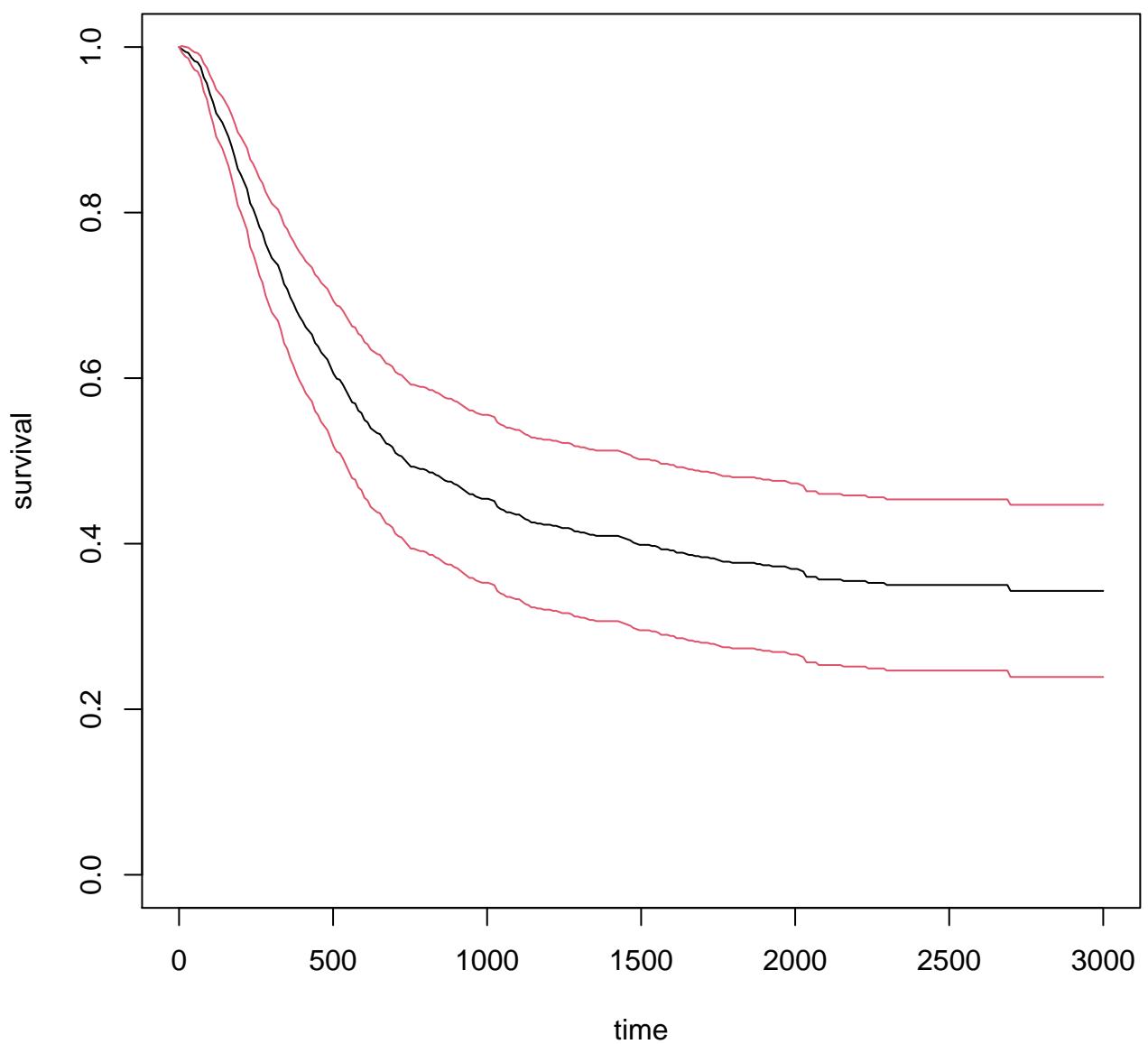
**adhere**



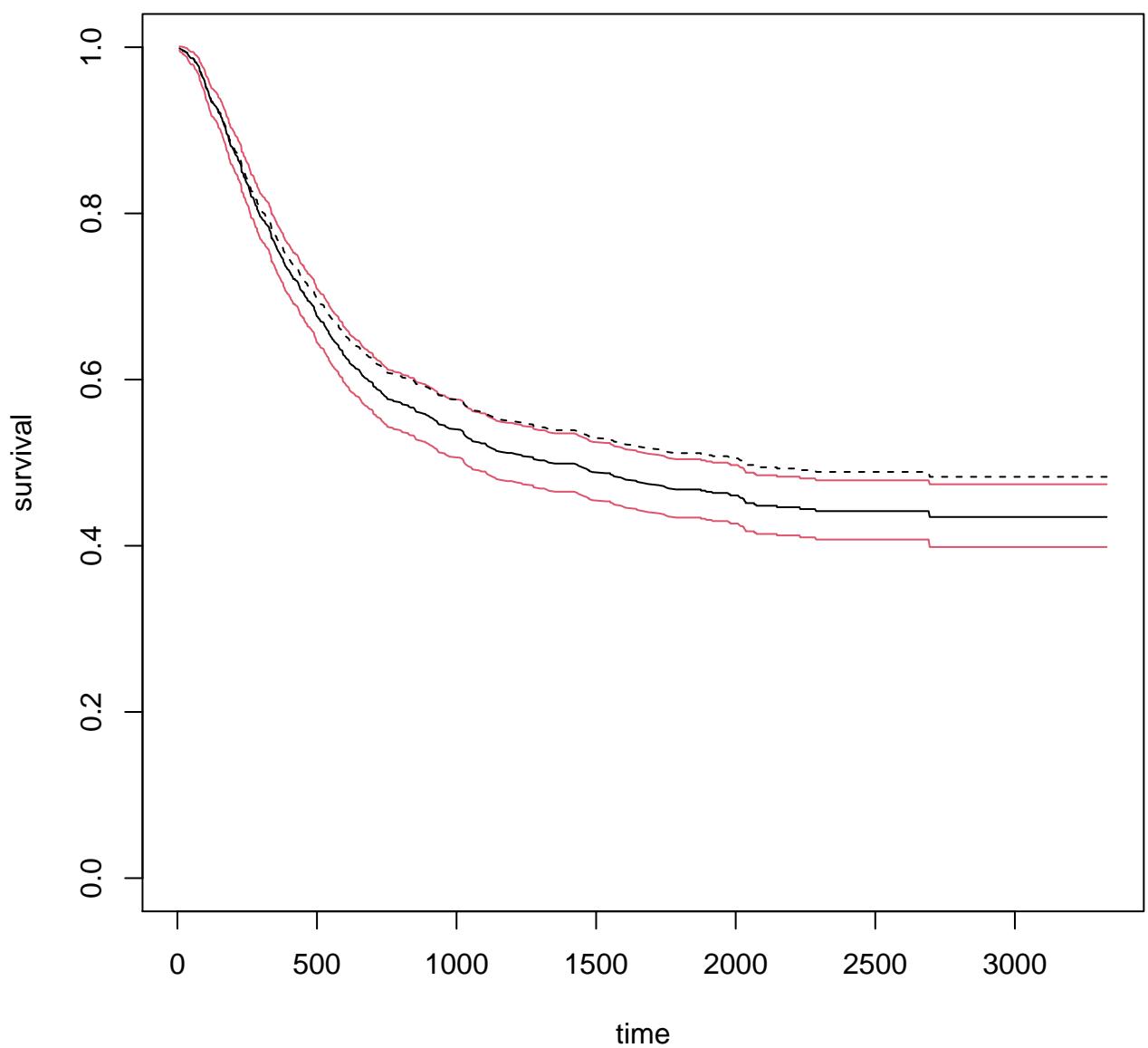
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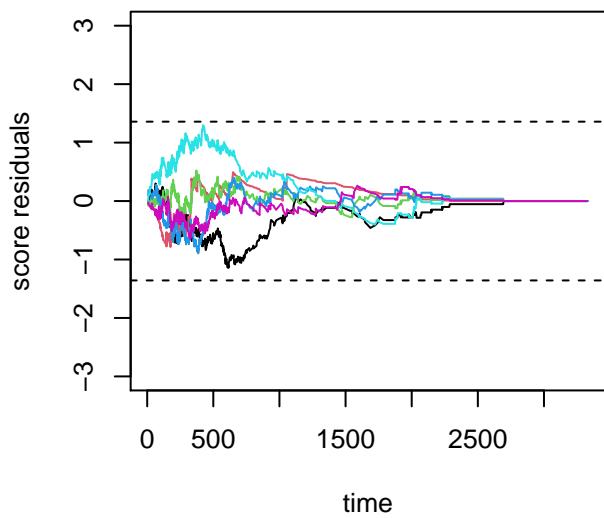
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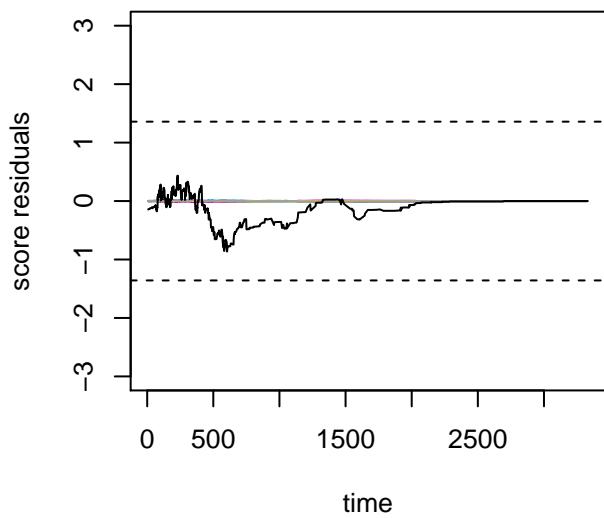
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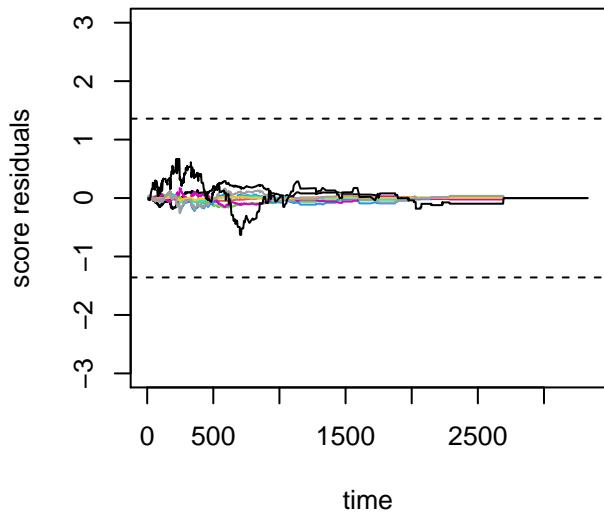
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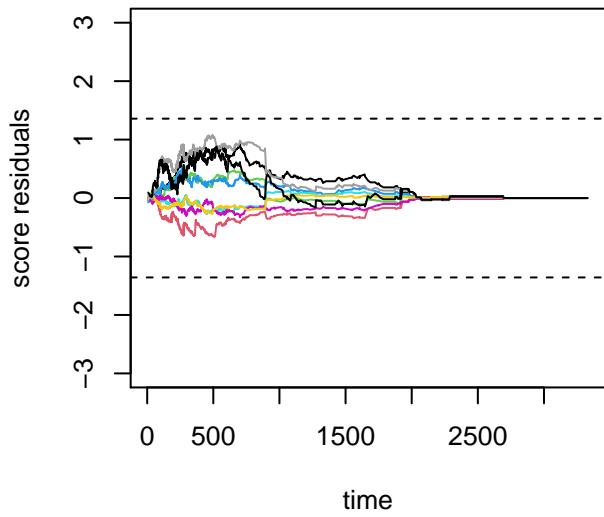
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**s(age):sex1**

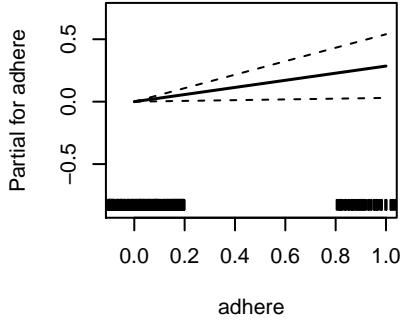
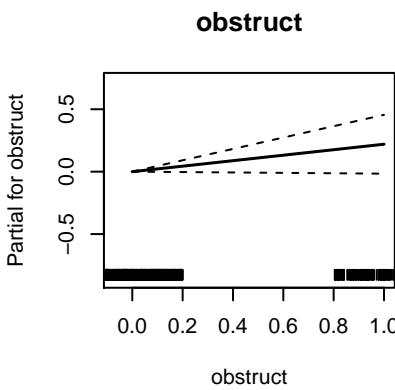
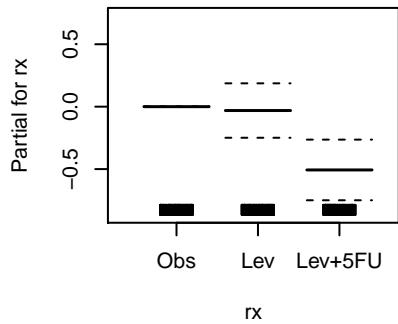
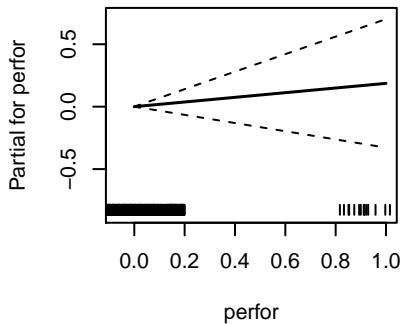
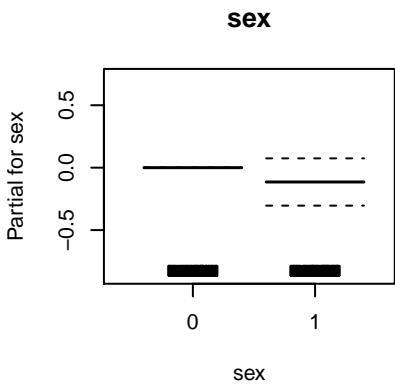
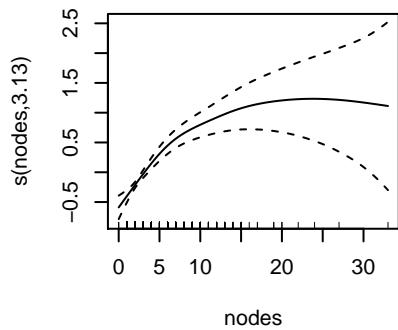
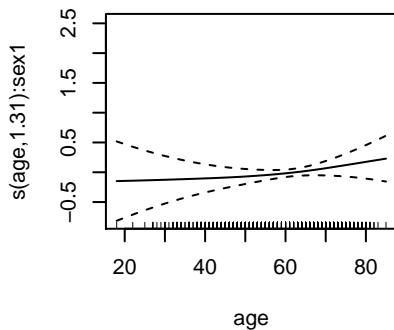
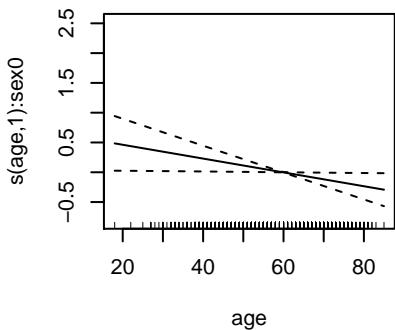


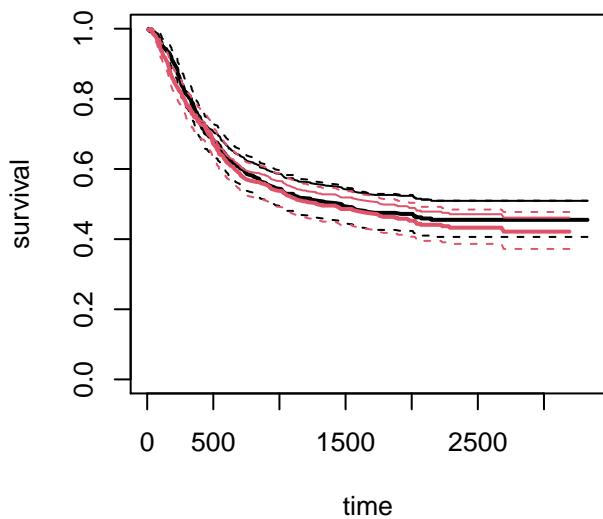
**s(nodes)**



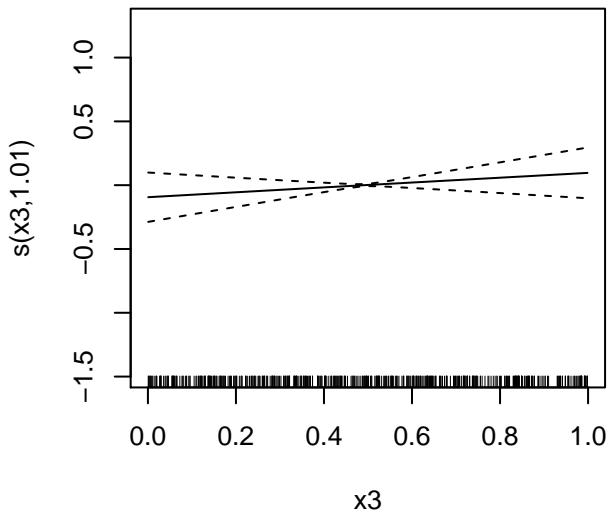
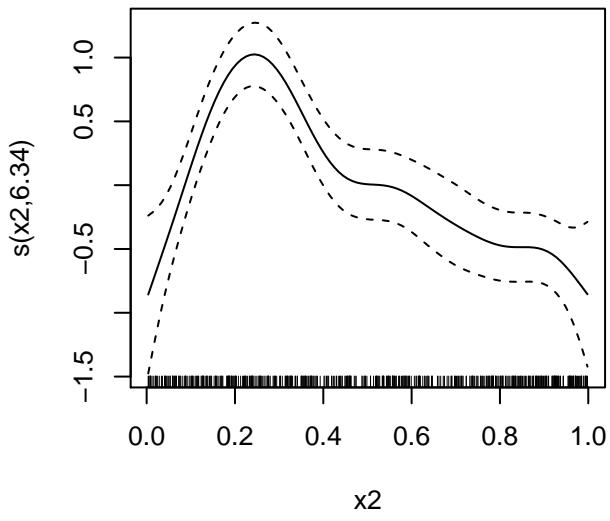
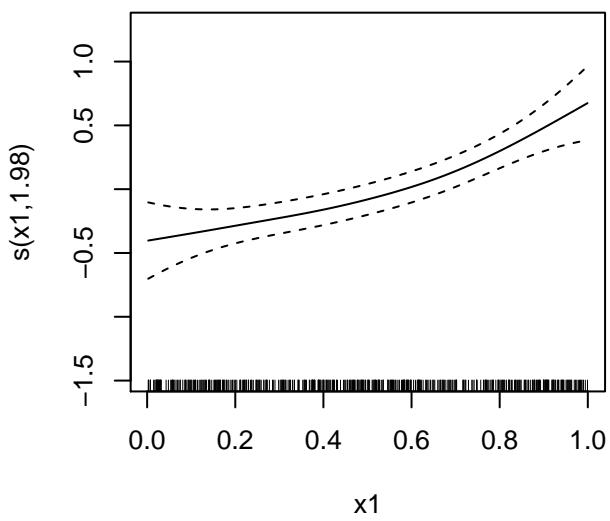
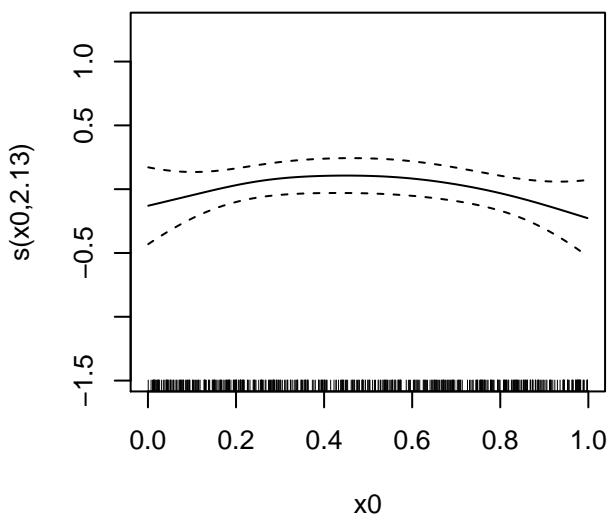
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help("coxph")

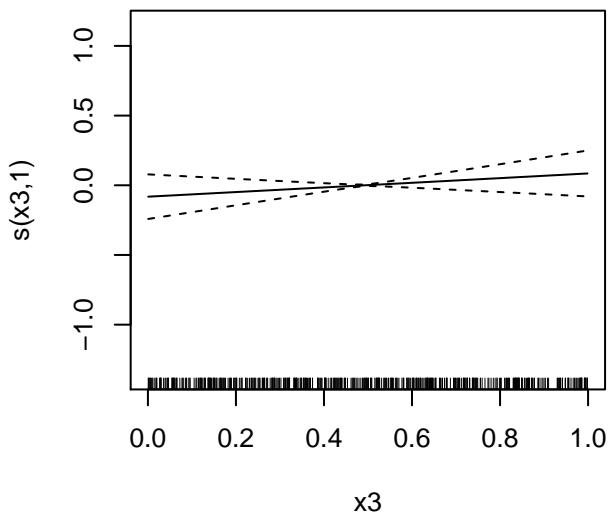
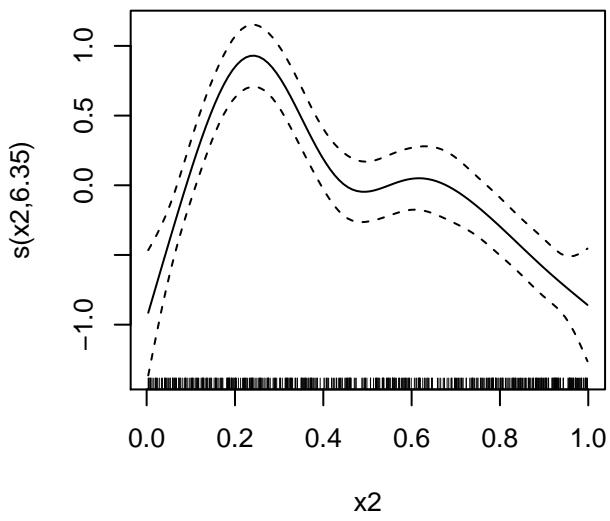
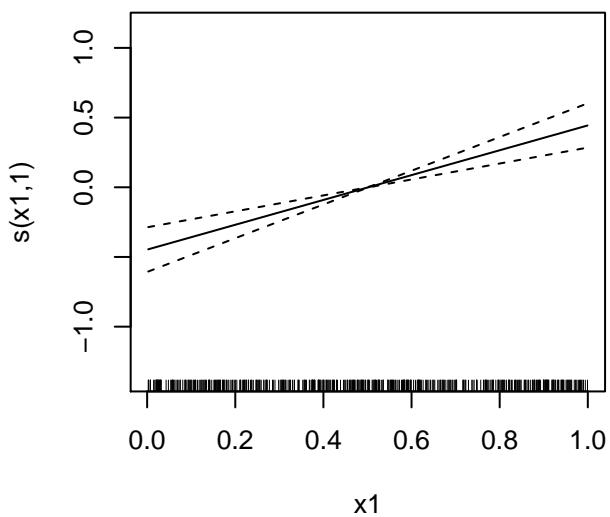
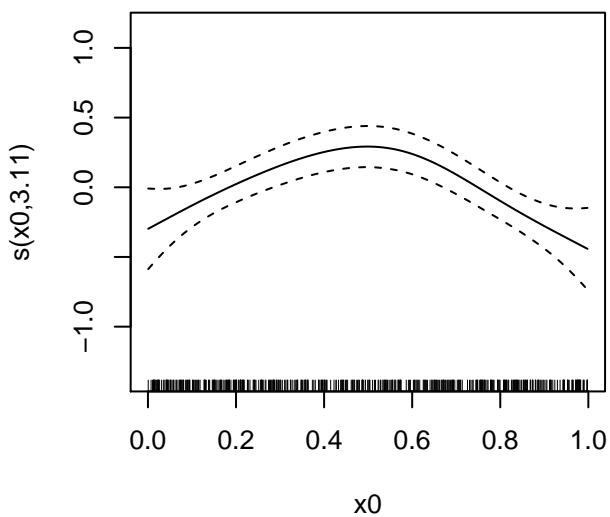




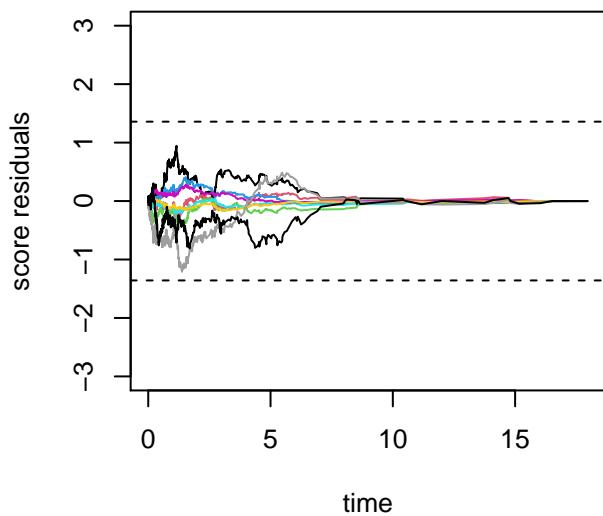
help("coxph")



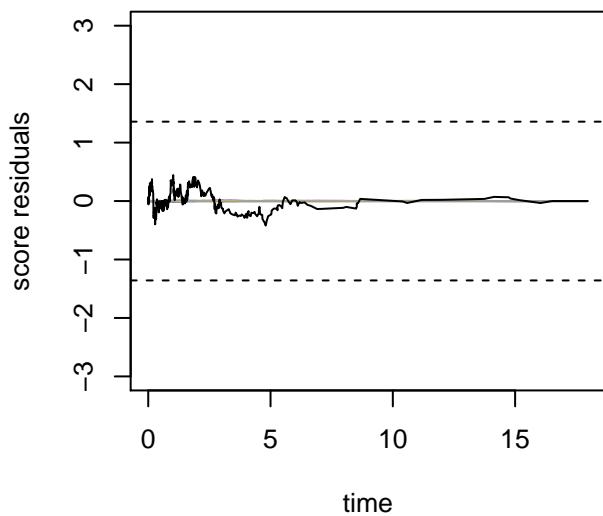
help("coxph")



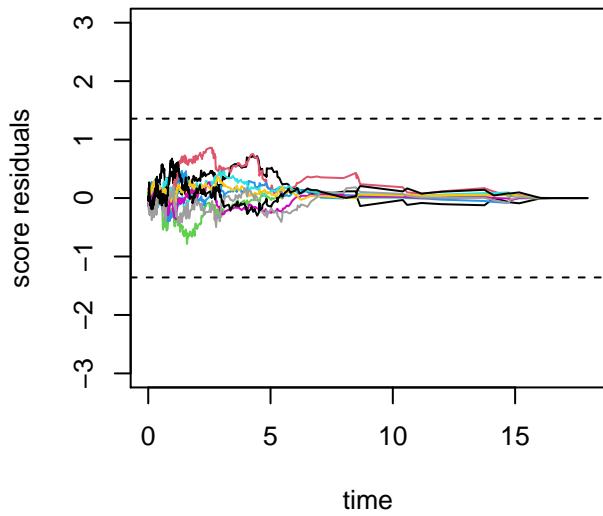
$s(x_0)$



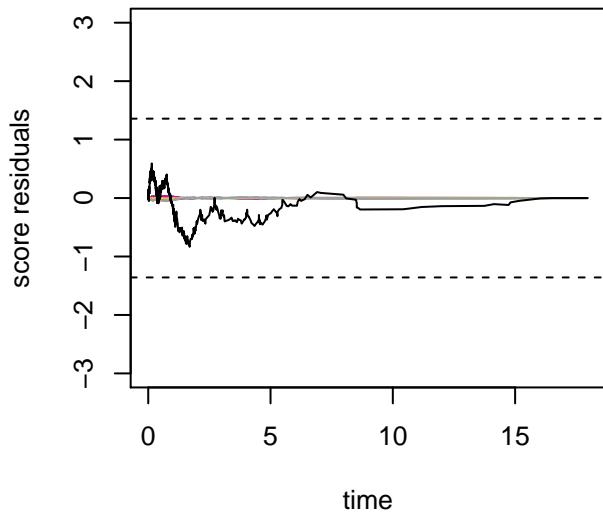
$s(x_1)$



$s(x_2)$

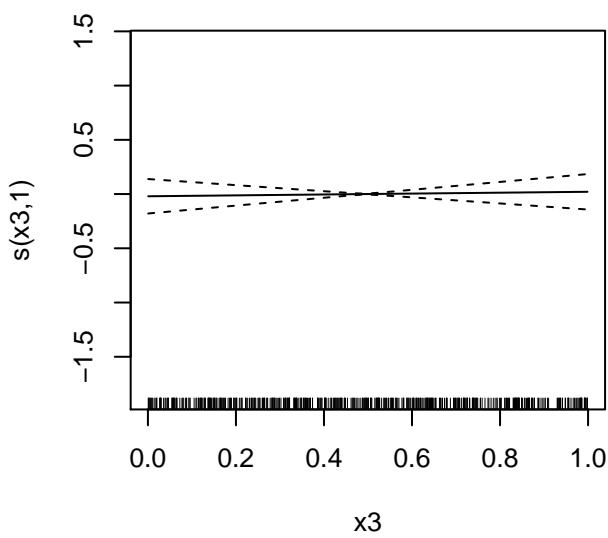
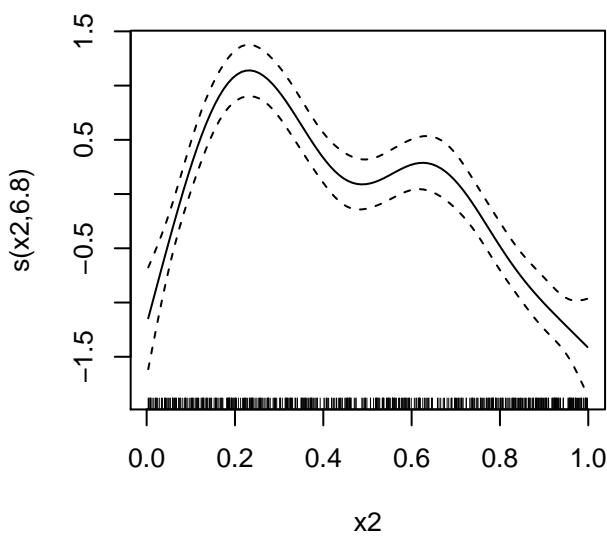
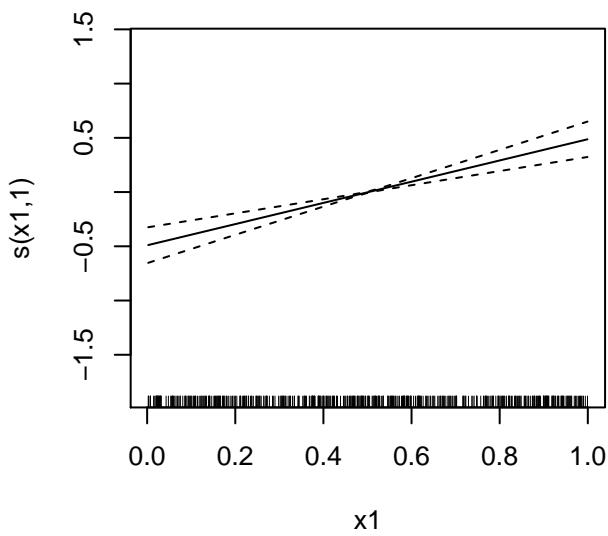
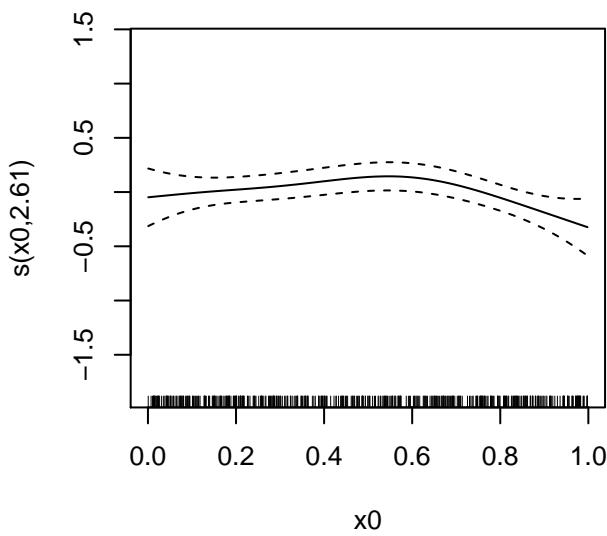


$s(x_3)$

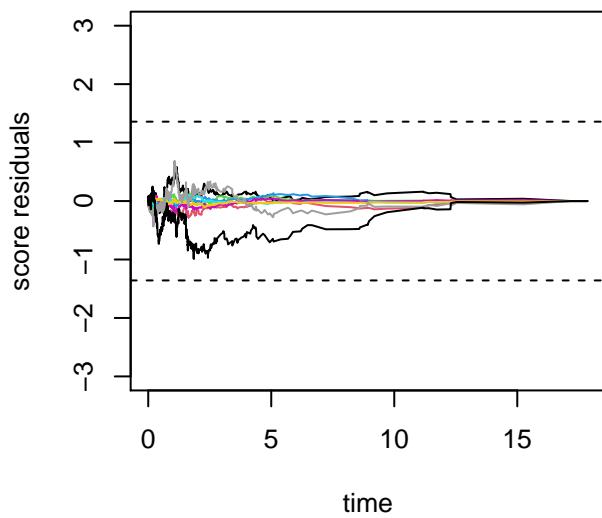


help("coxph")

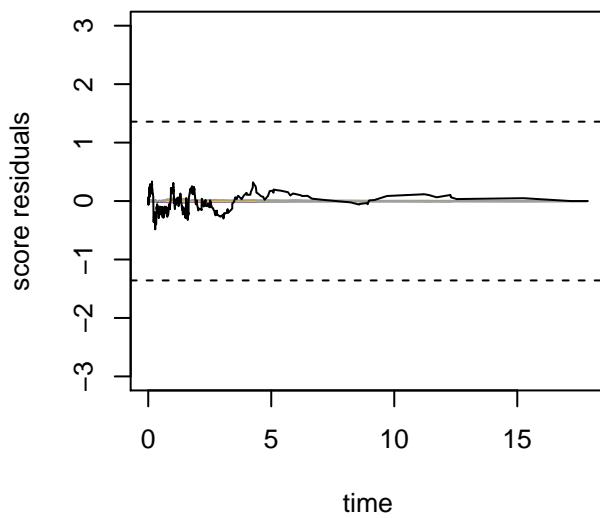
help("coxph")



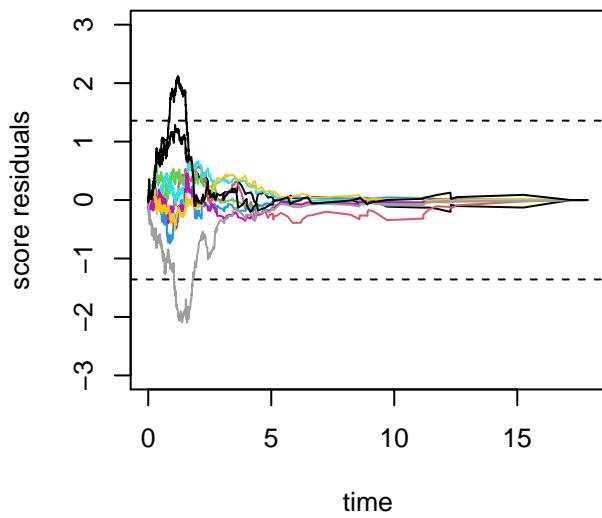
$s(x_0)$



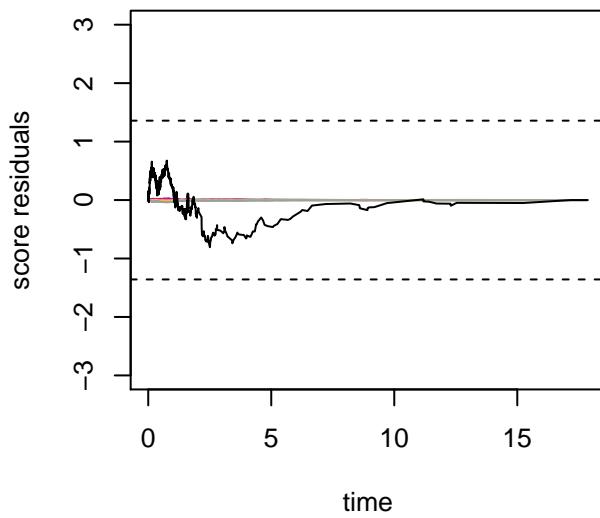
$s(x_1)$



$s(x_2)$



$s(x_3)$



help("coxph")

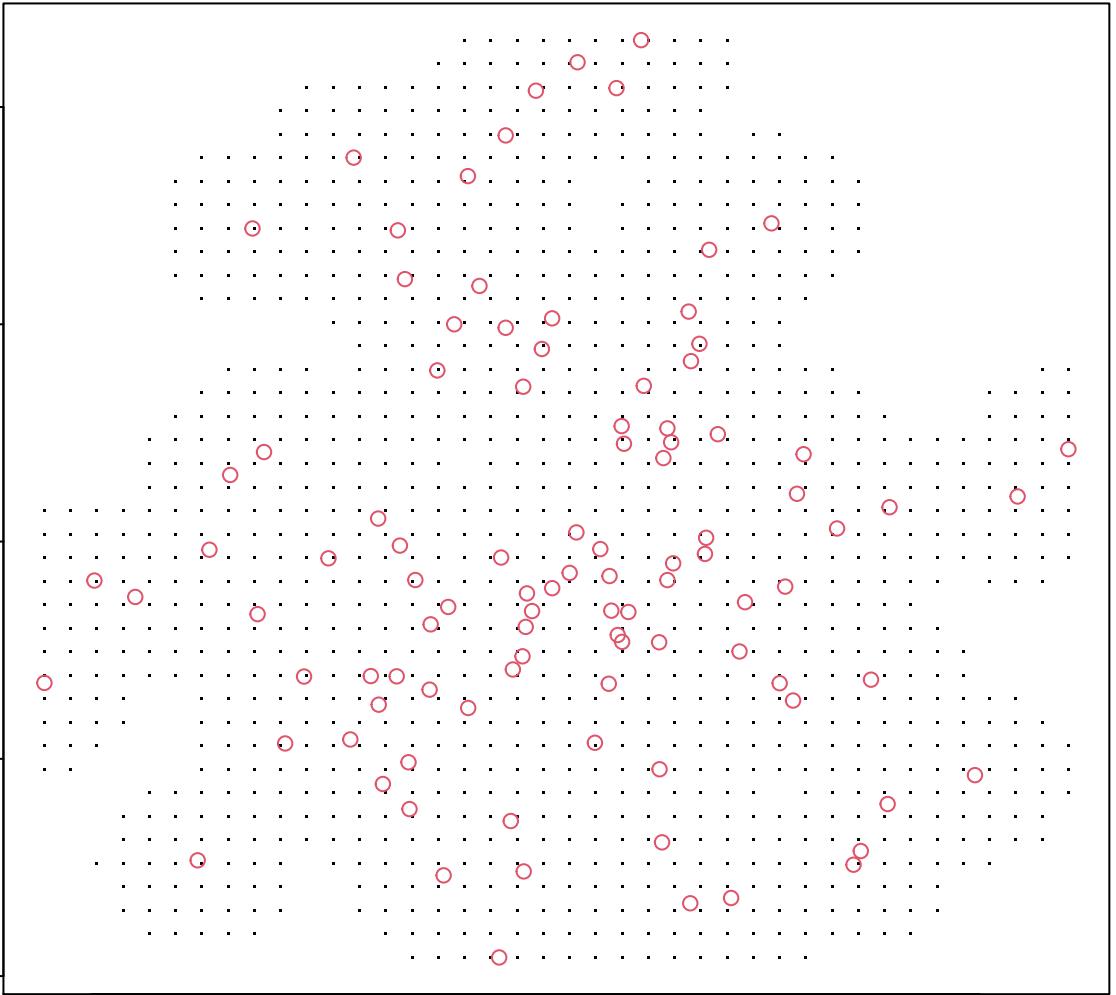
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0  
-1  
-2

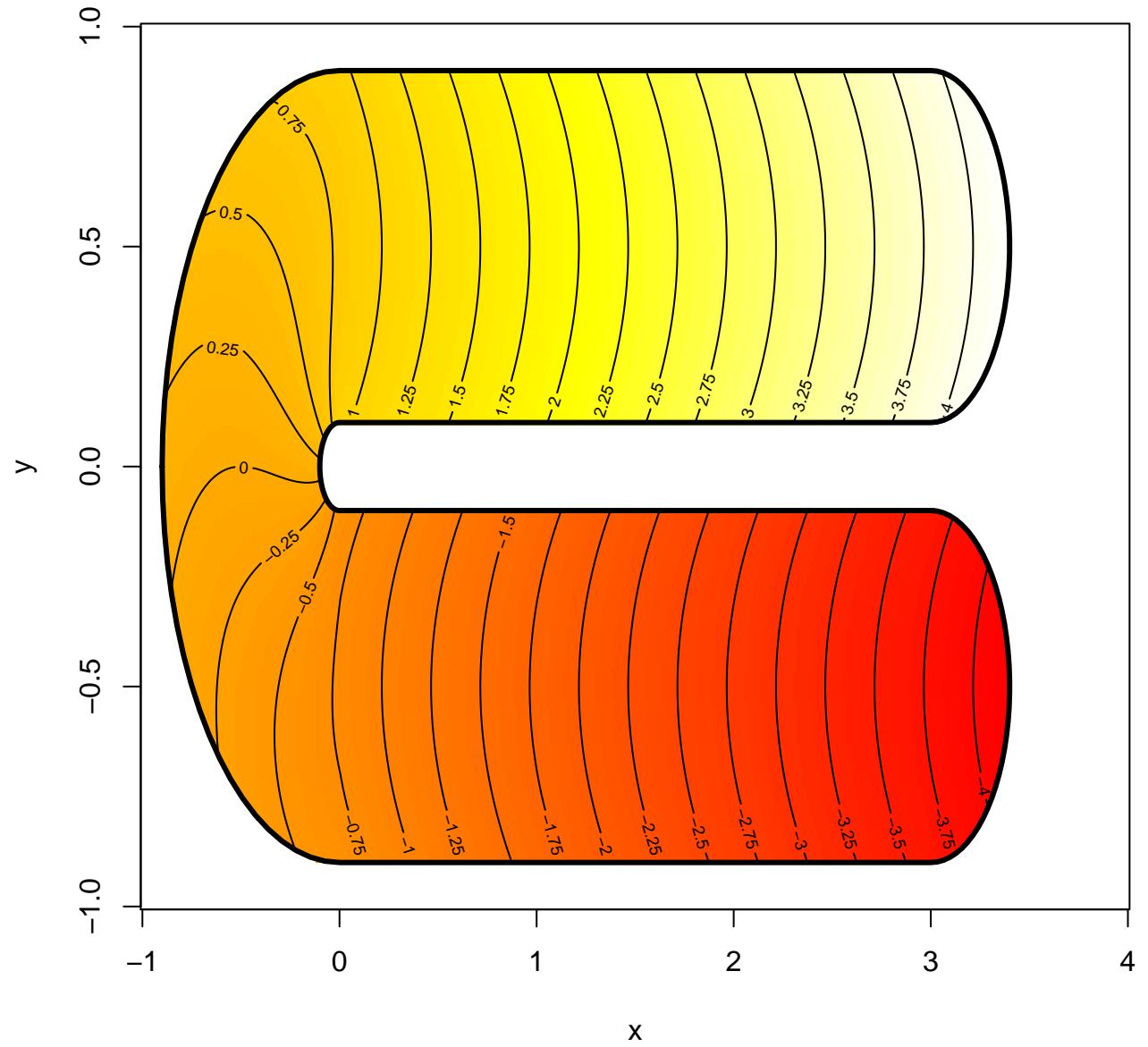
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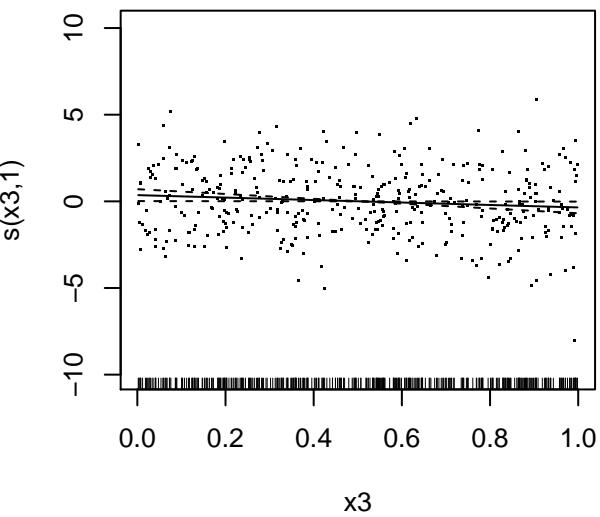
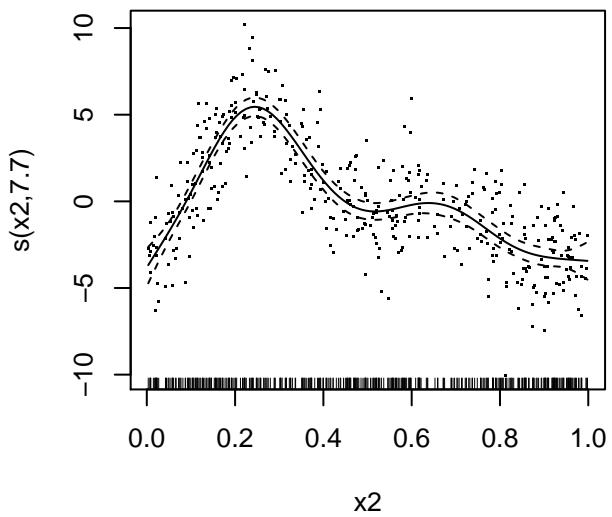
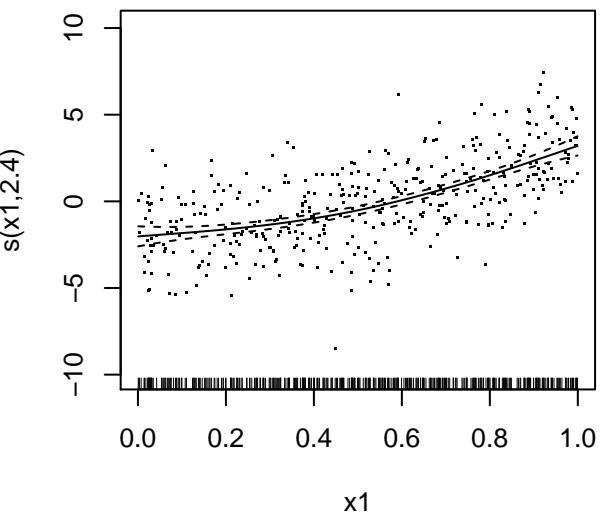
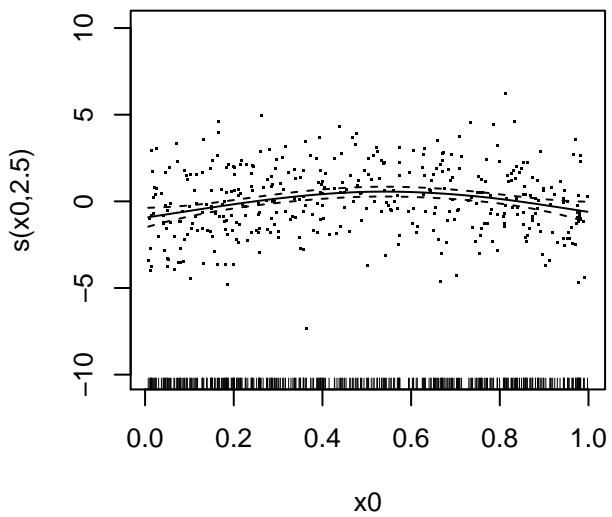
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help("exclude.too.far")

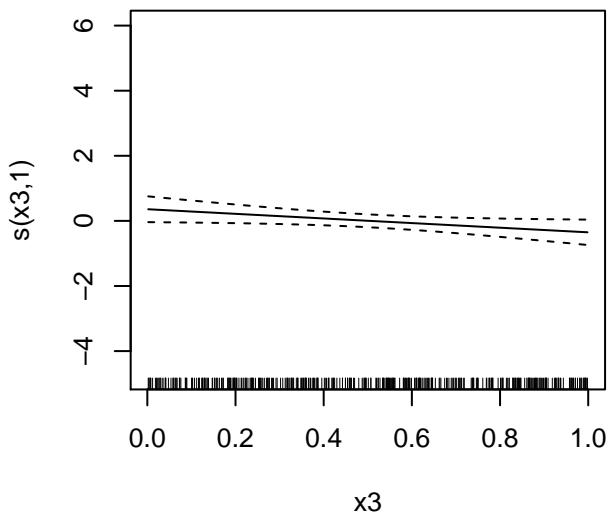
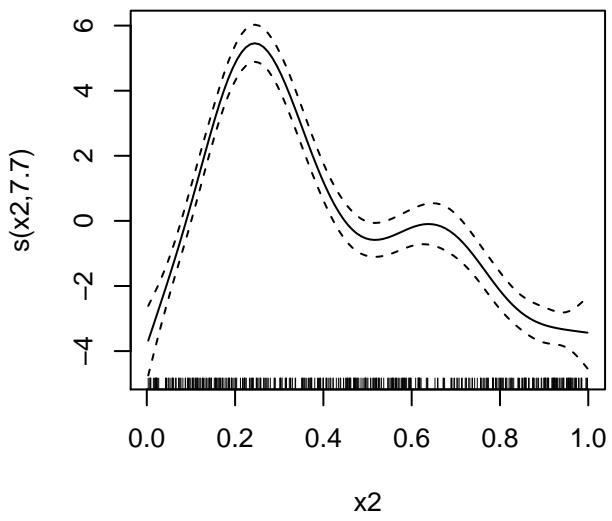
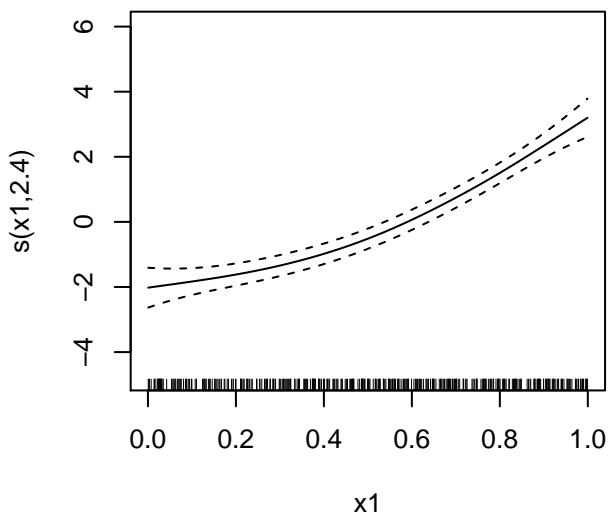
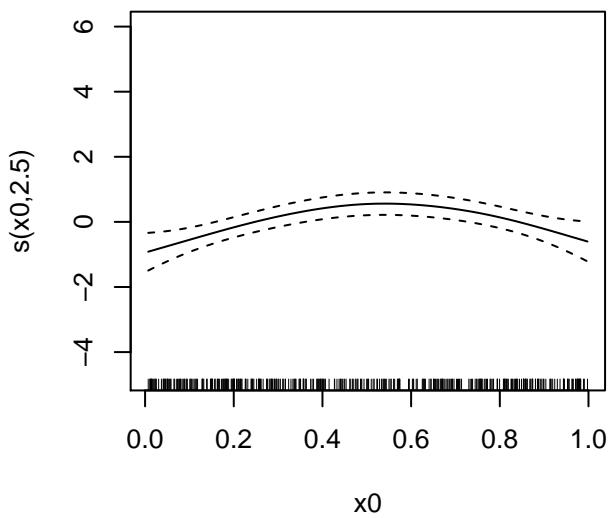


help("fs.test")



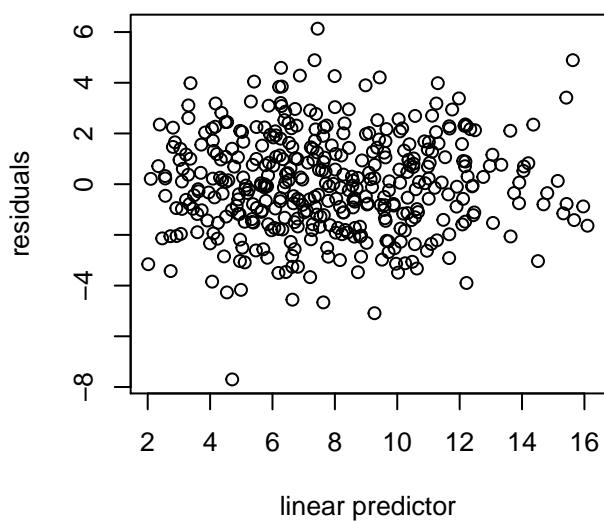
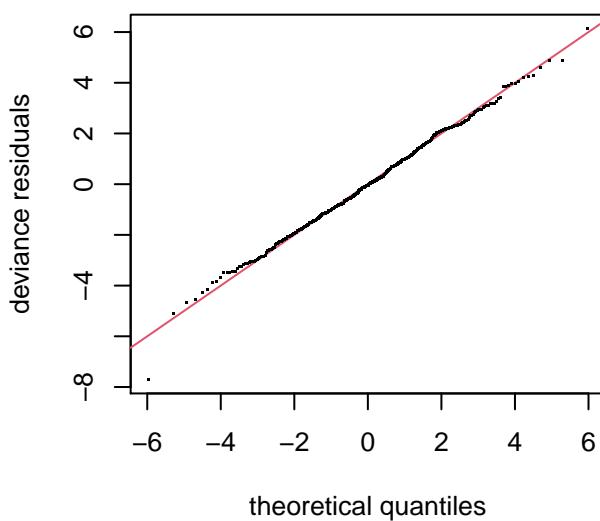


help("gam")

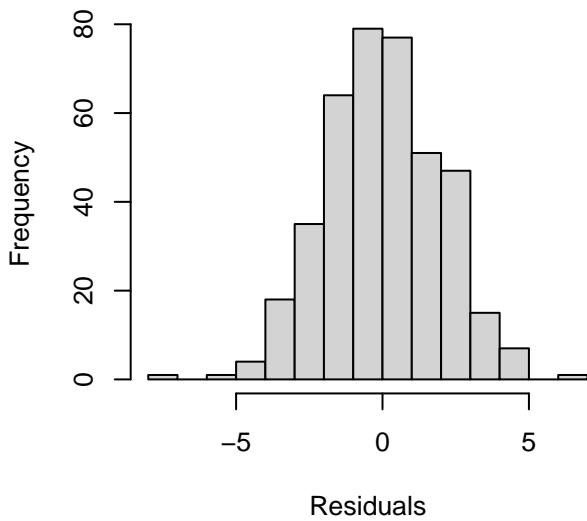


help("gam")

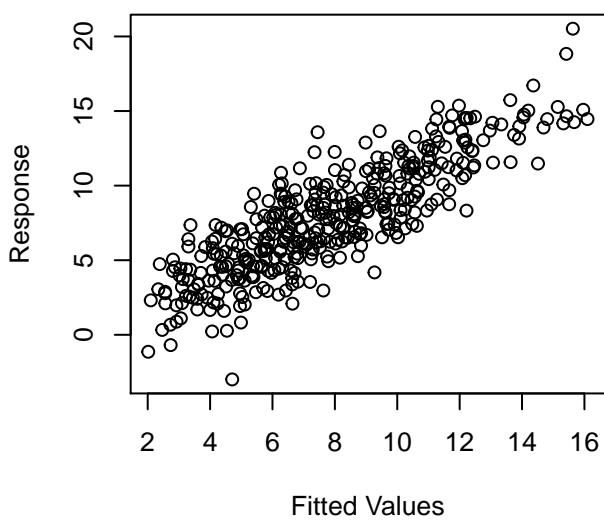
## Resids vs. linear pred.



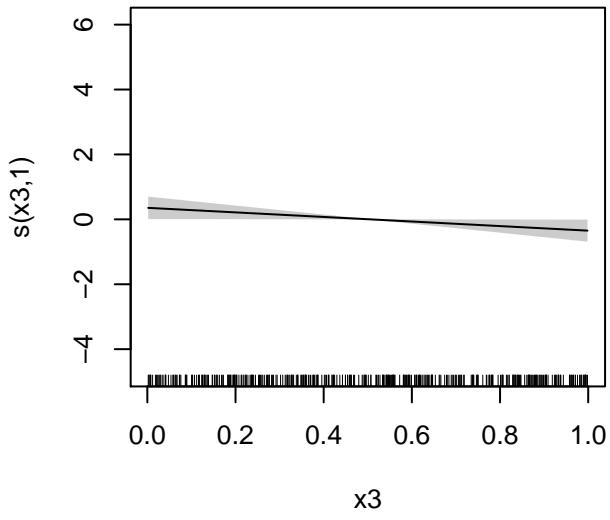
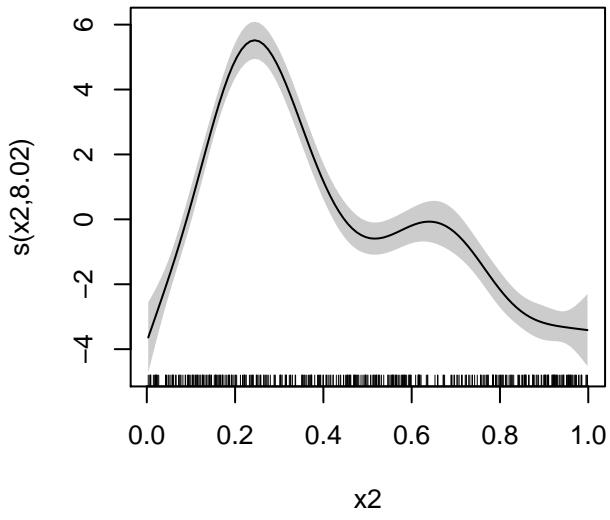
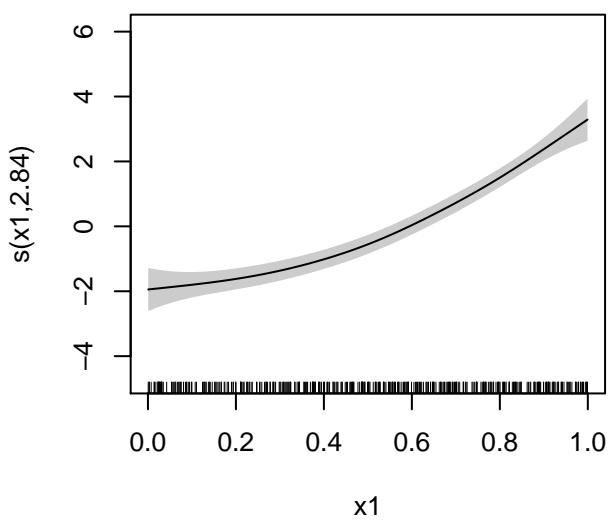
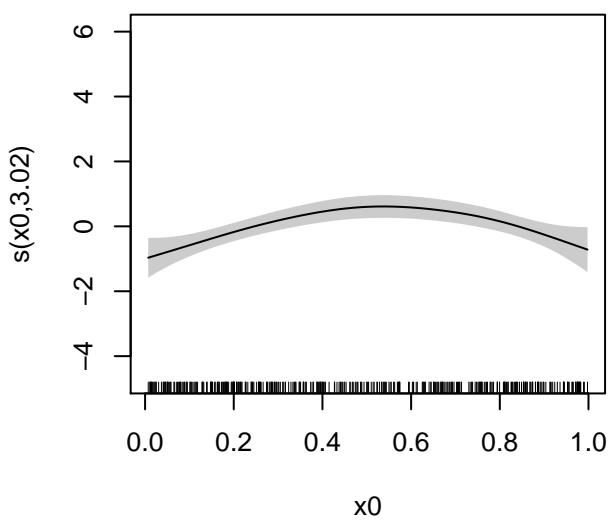
## Histogram of residuals



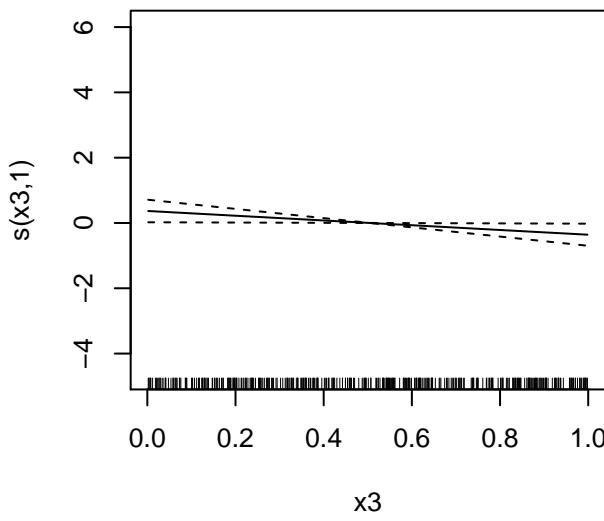
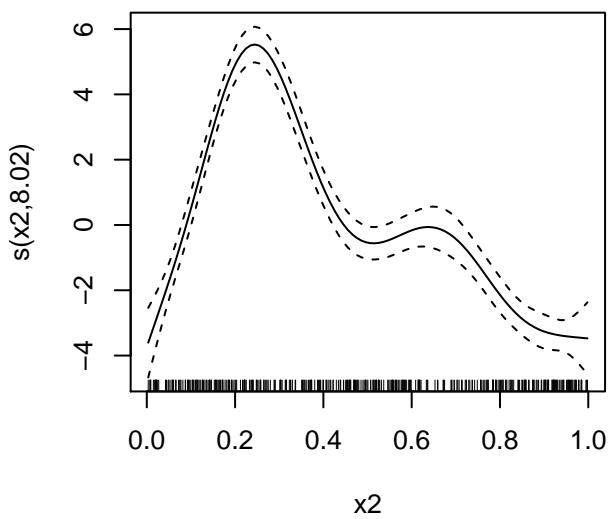
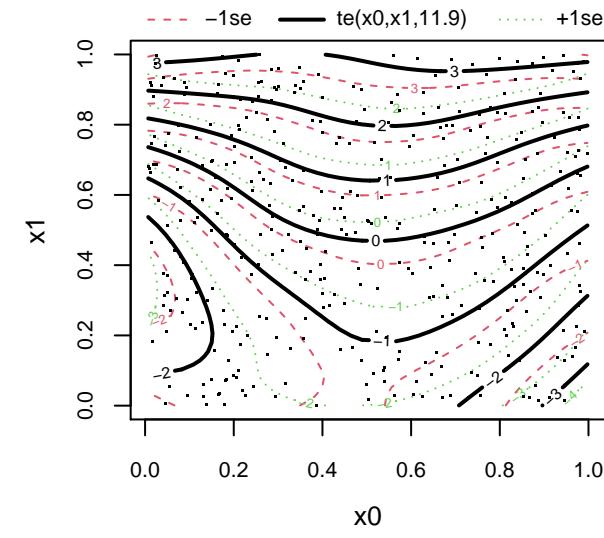
## Response vs. Fitted Values



help("gam")

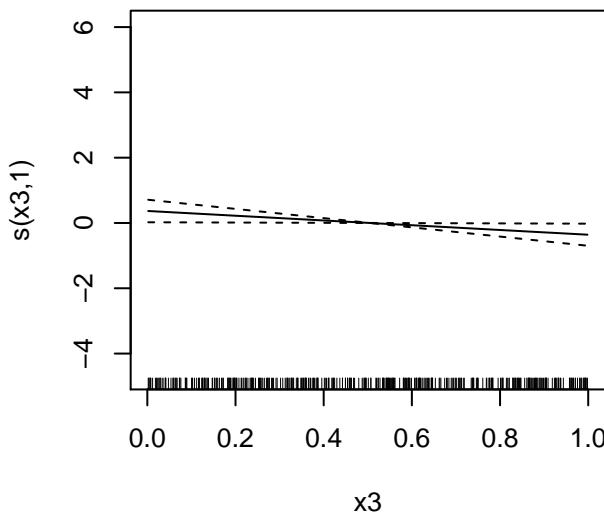
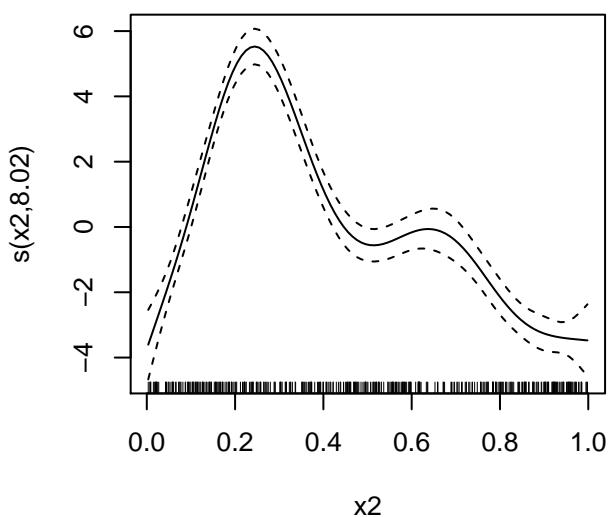
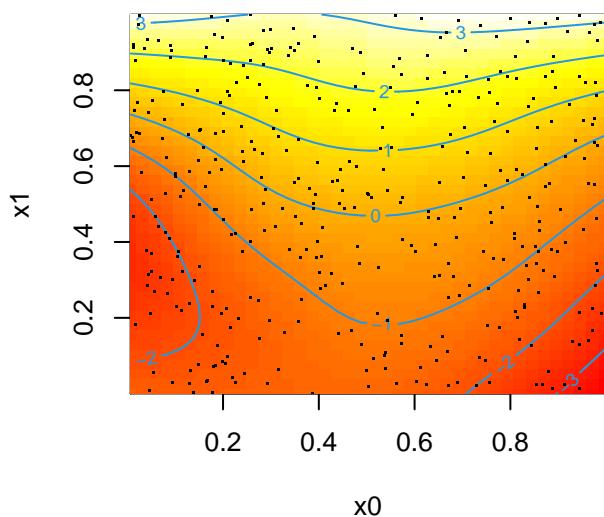


help("gam")

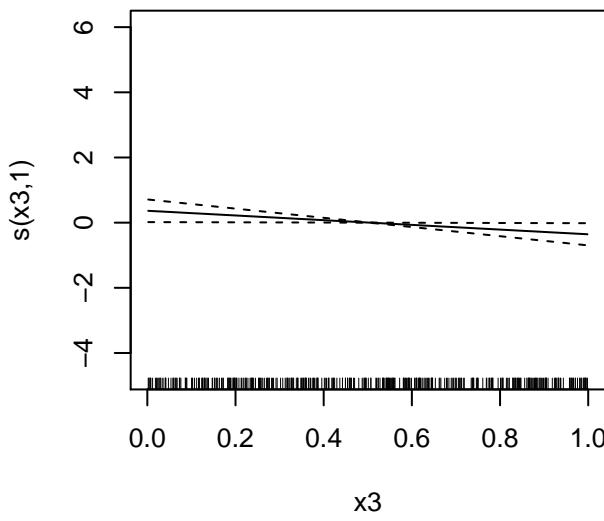
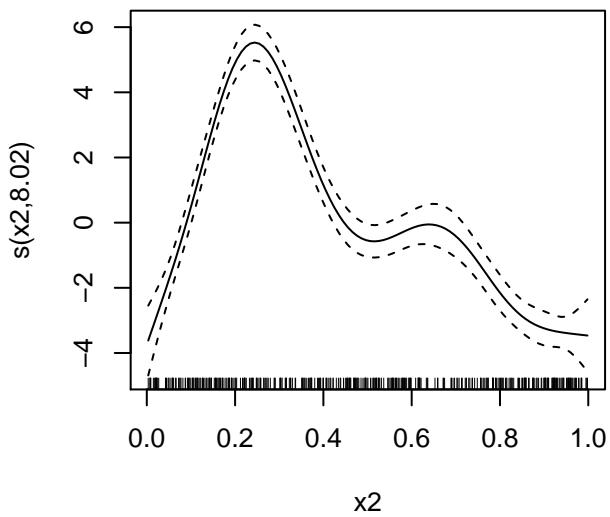
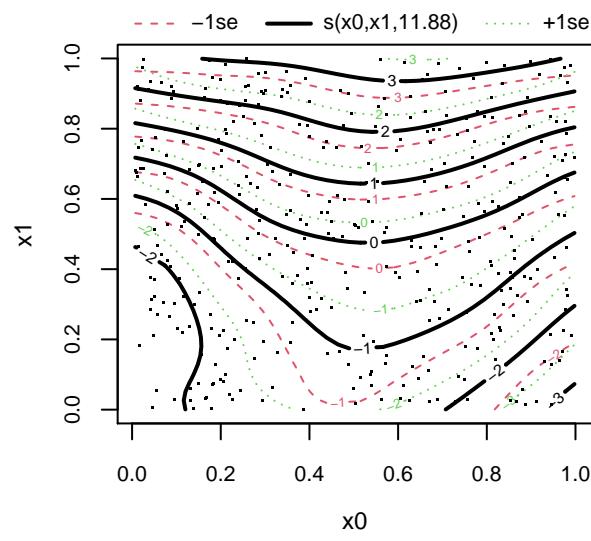


help("gam")

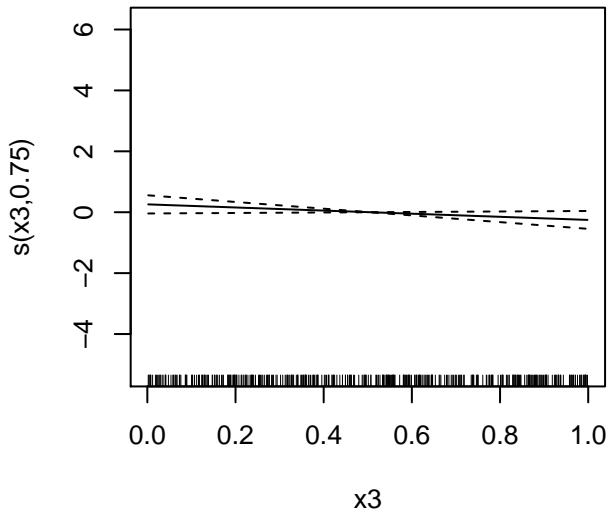
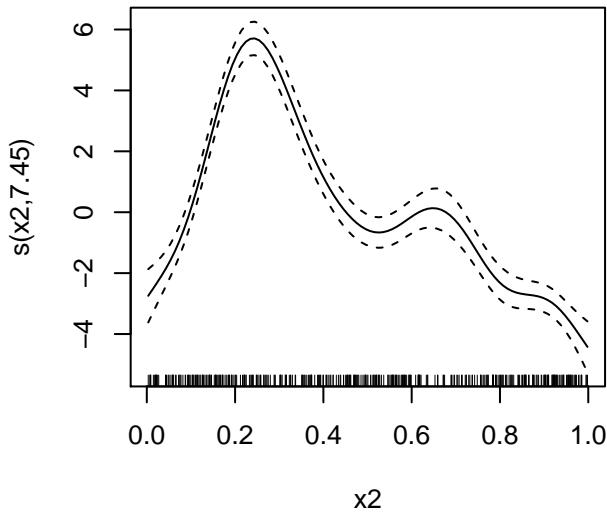
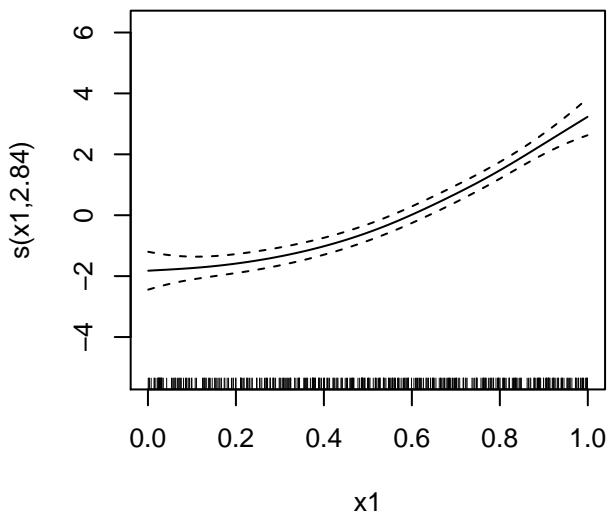
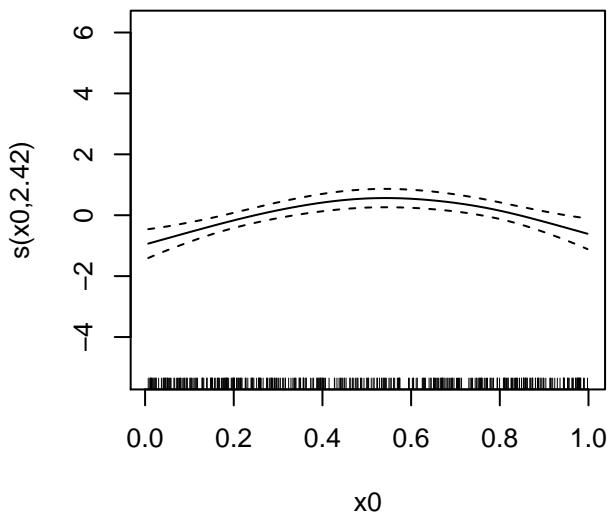
$te(x_0, x_1, 11.9)$



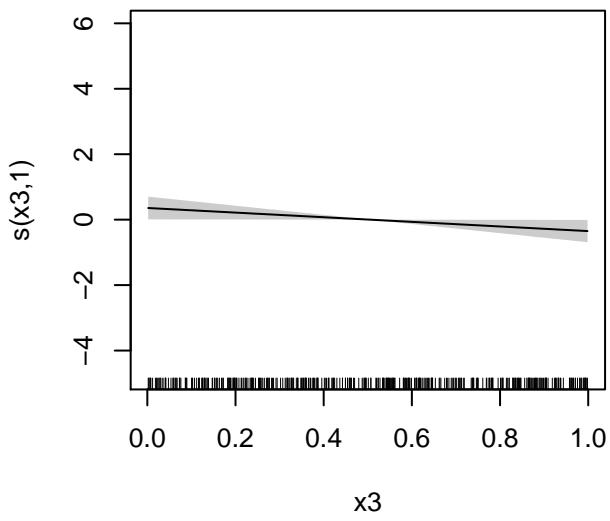
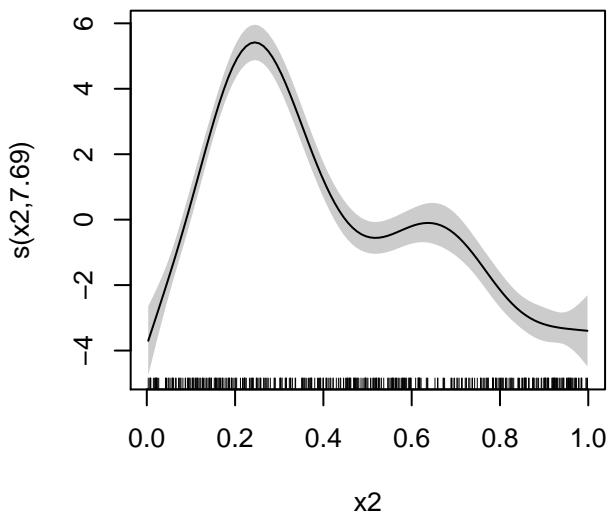
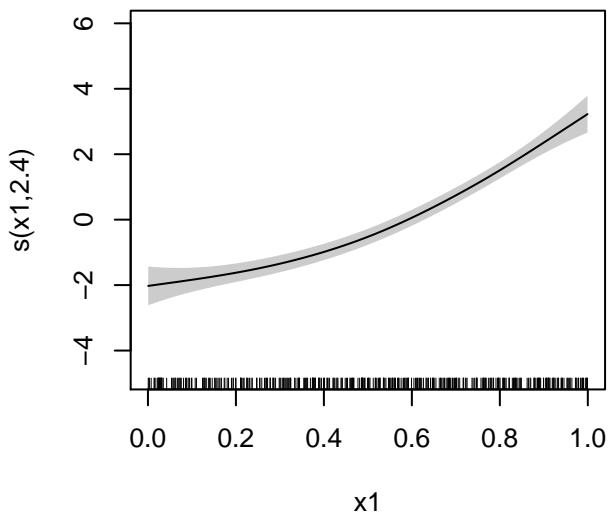
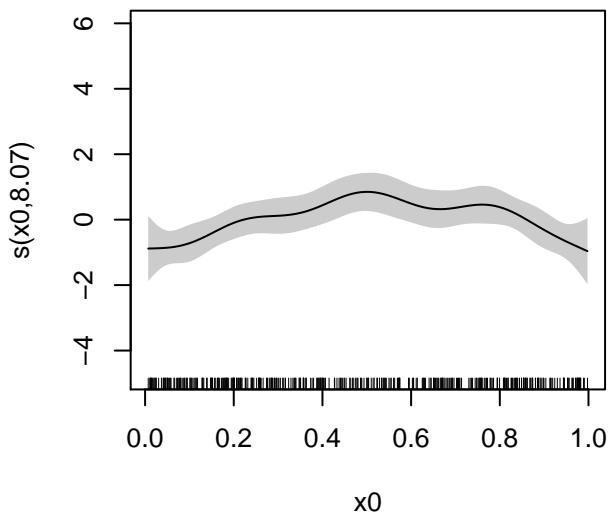
help("gam")



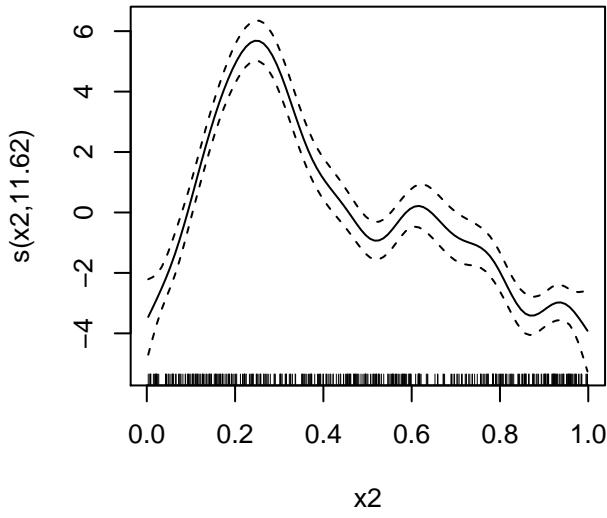
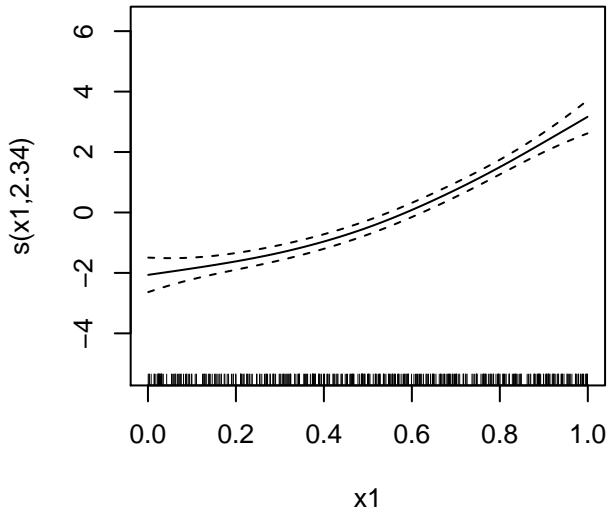
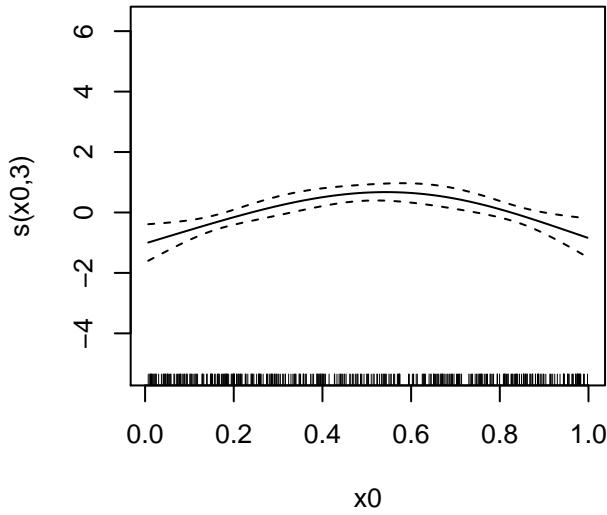
help("gam")



help("gam")

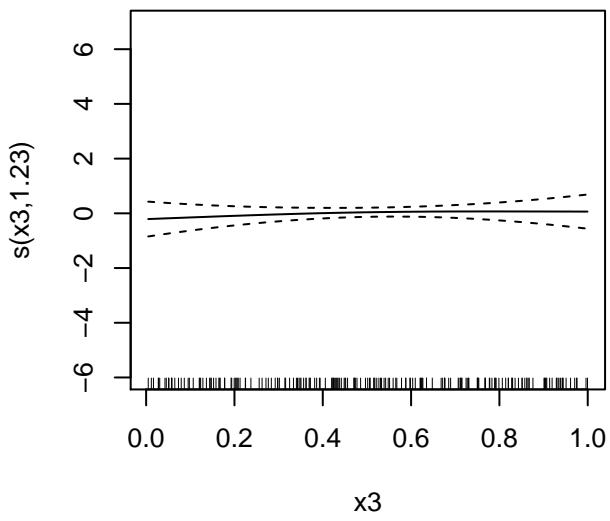
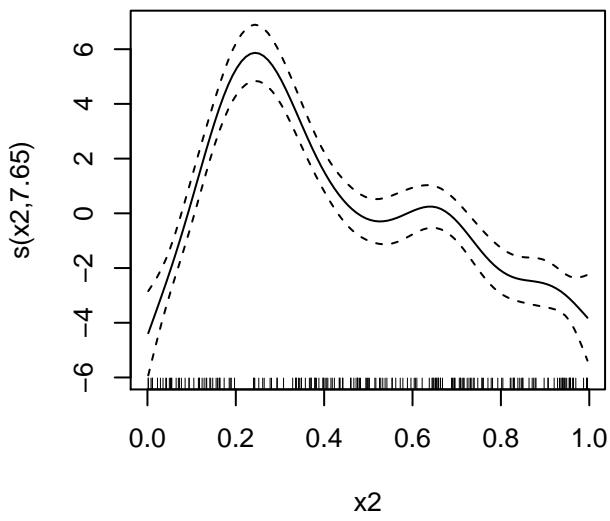
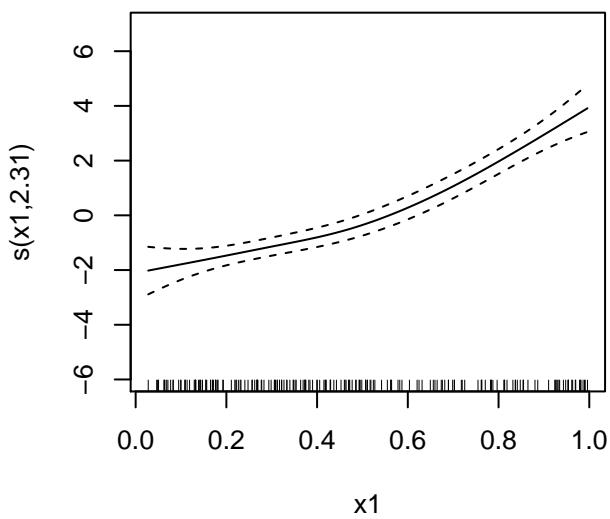
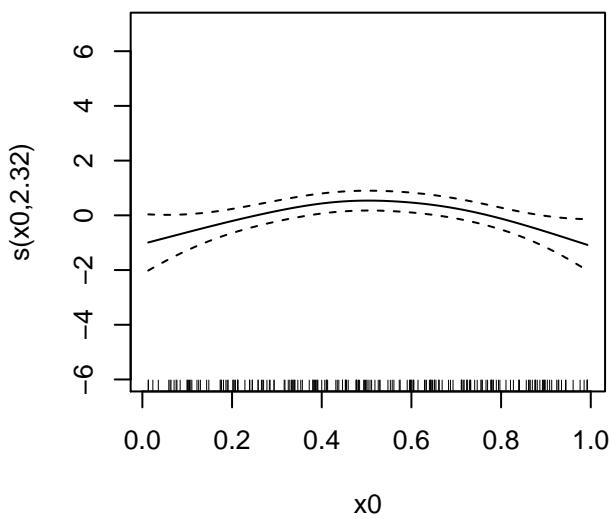


help("gam")

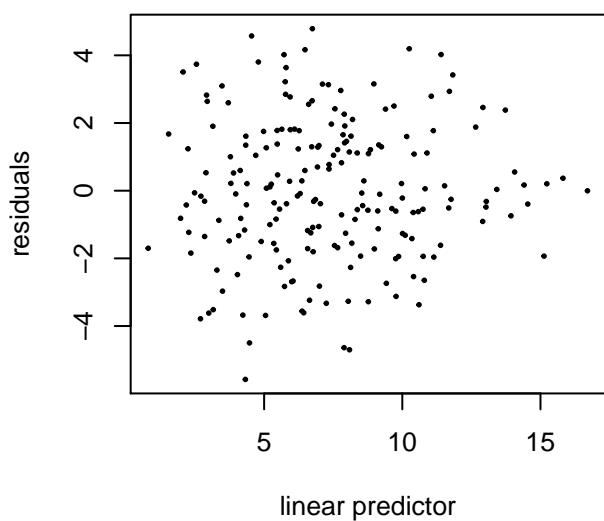
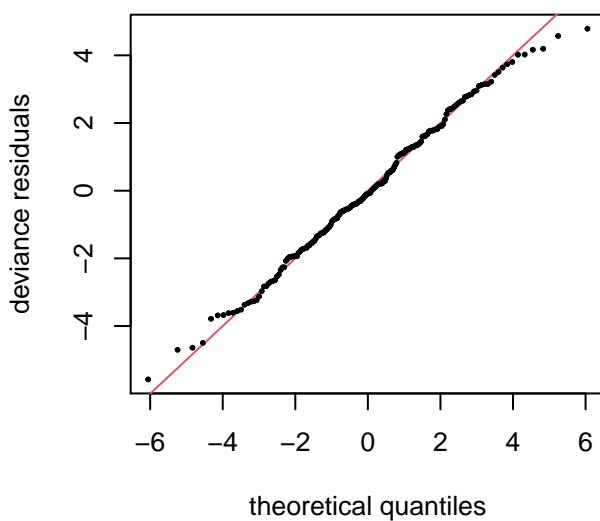


help("gam")

help("gam.check")

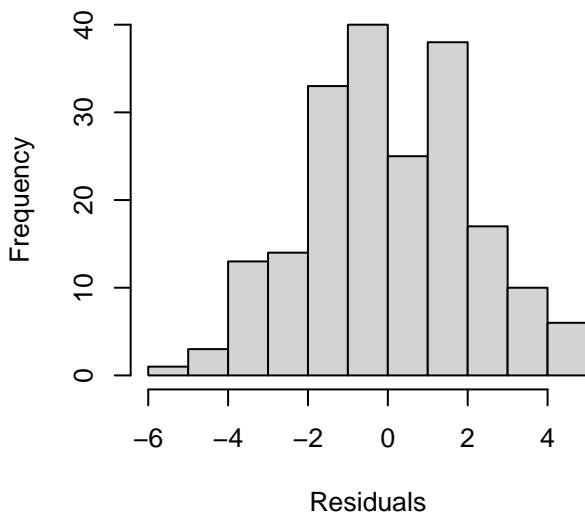


## Resids vs. linear pred.

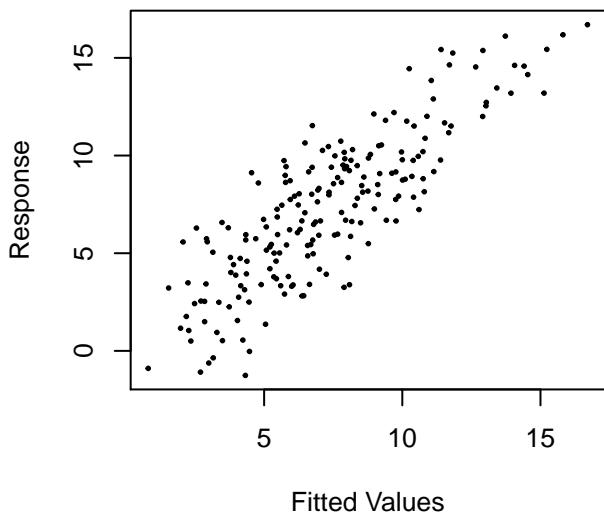


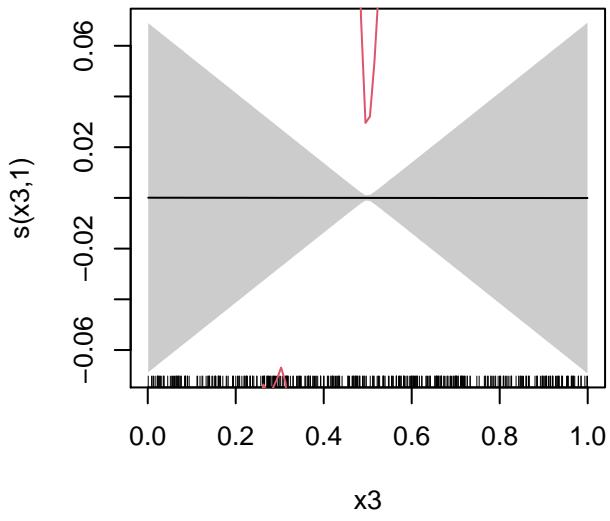
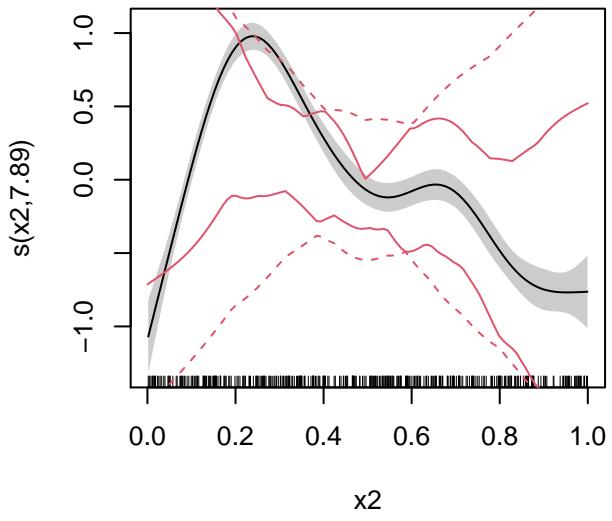
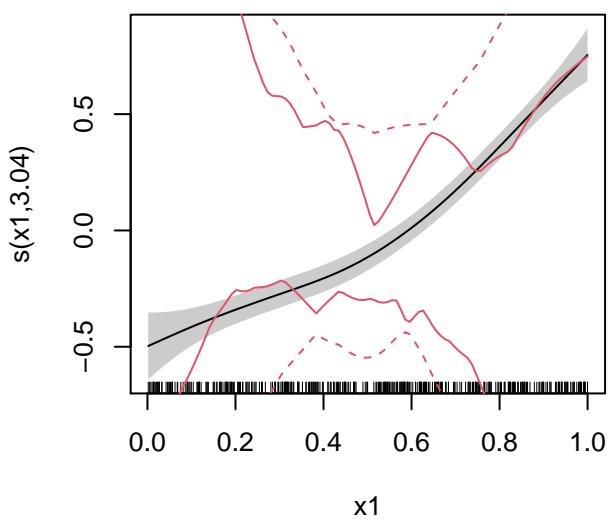
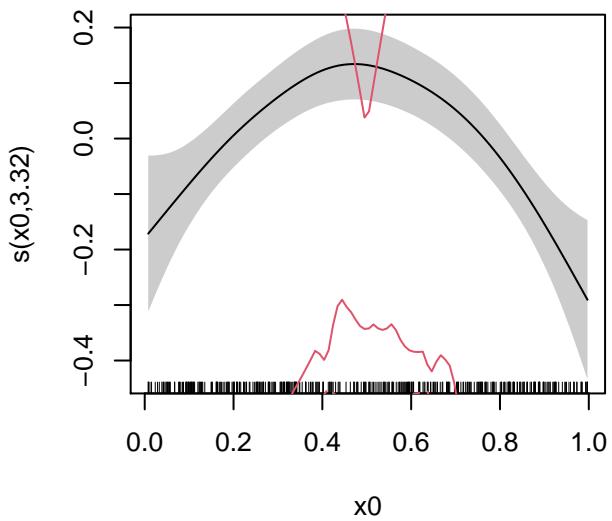
help("gam.check")

## Histogram of residuals



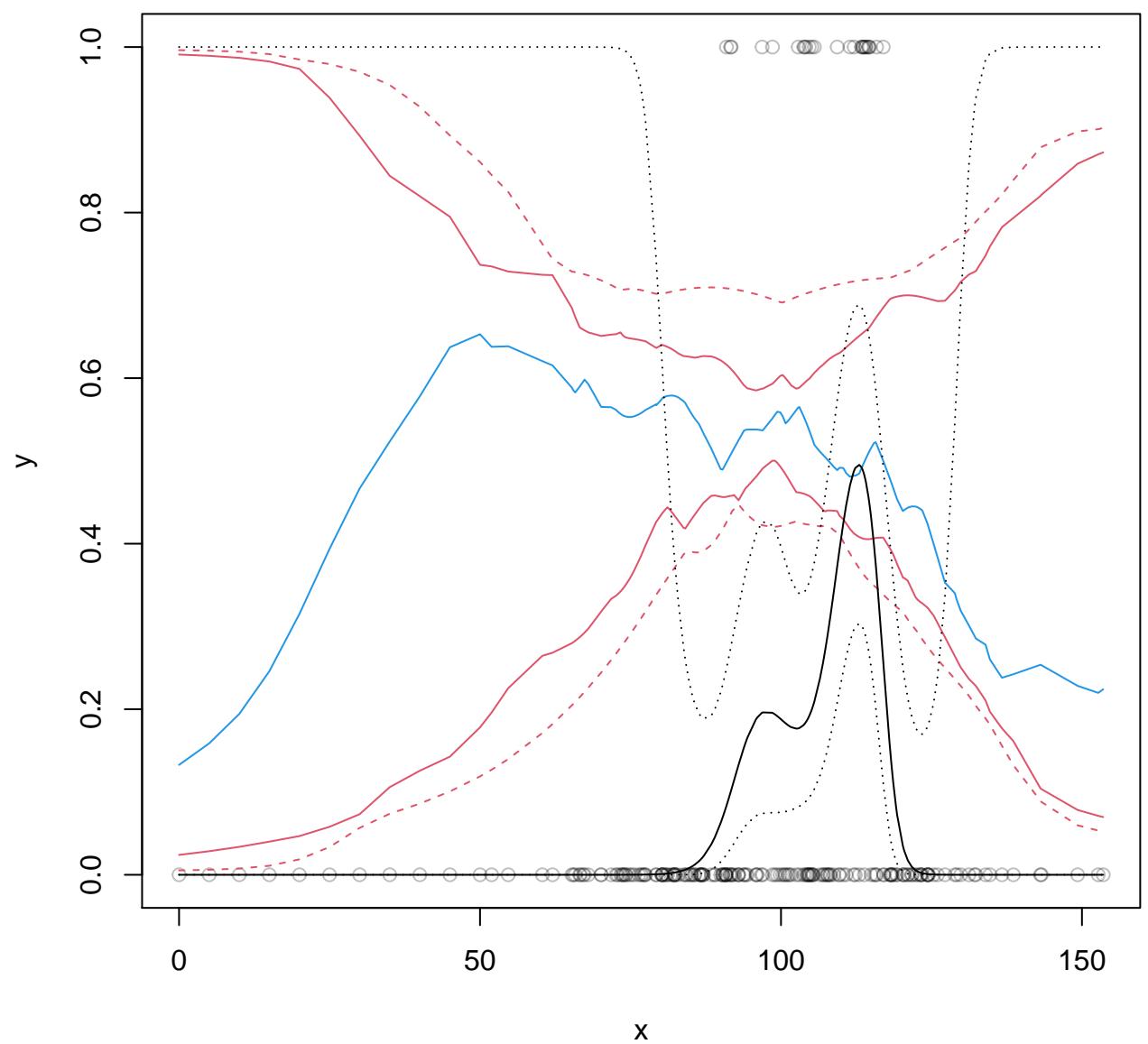
## Response vs. Fitted Values



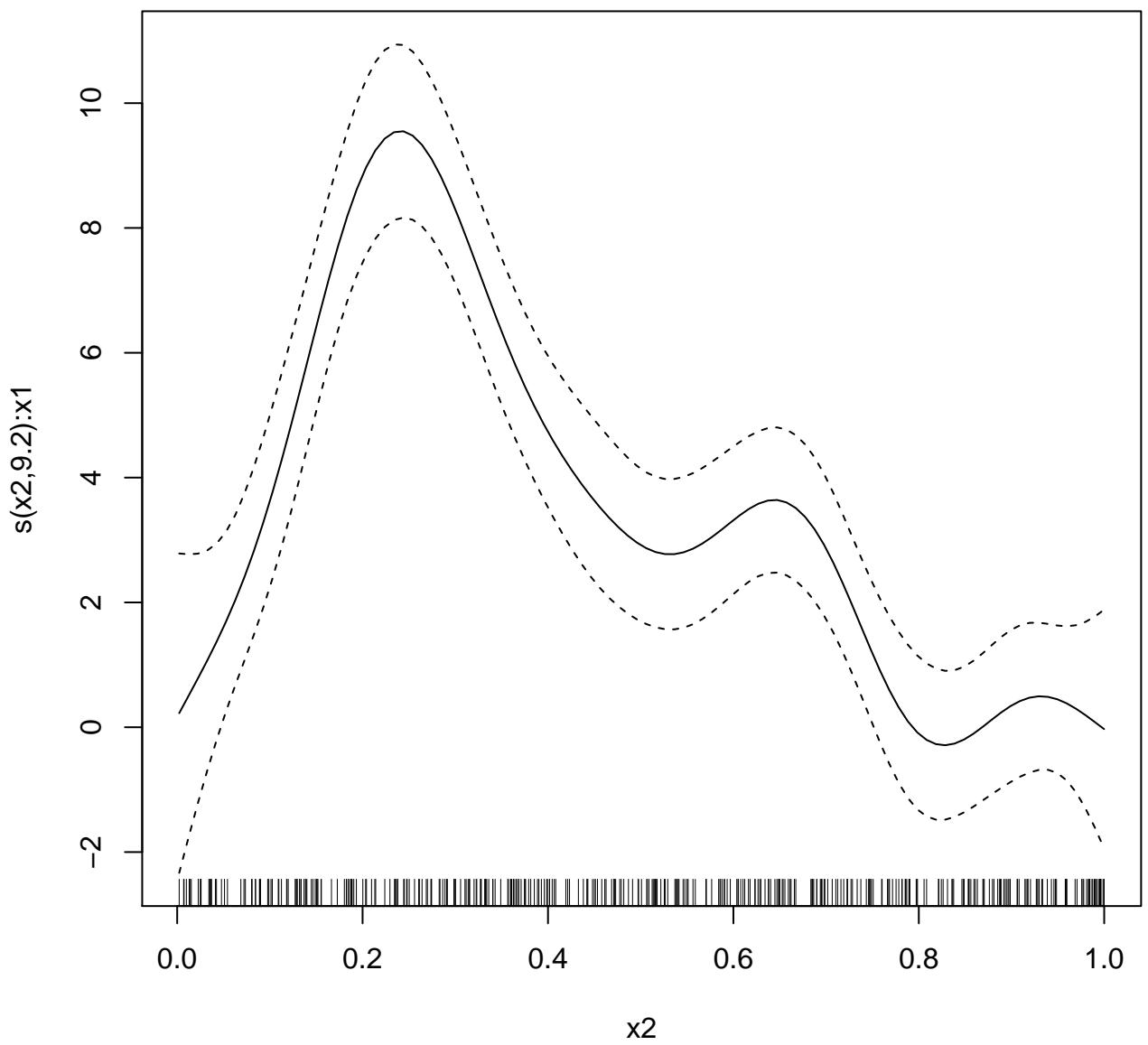


help("gam.mh")

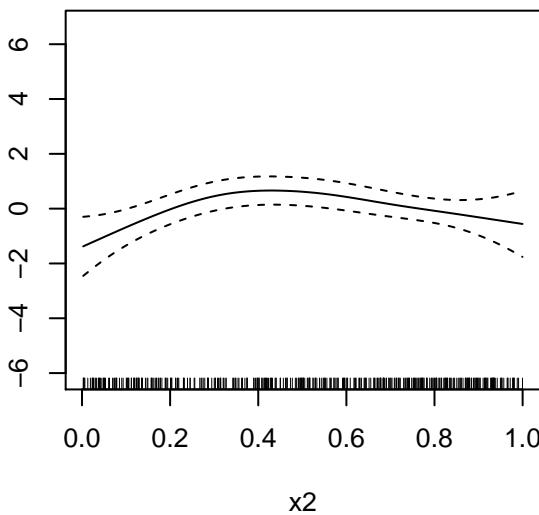
help("gam.mh")



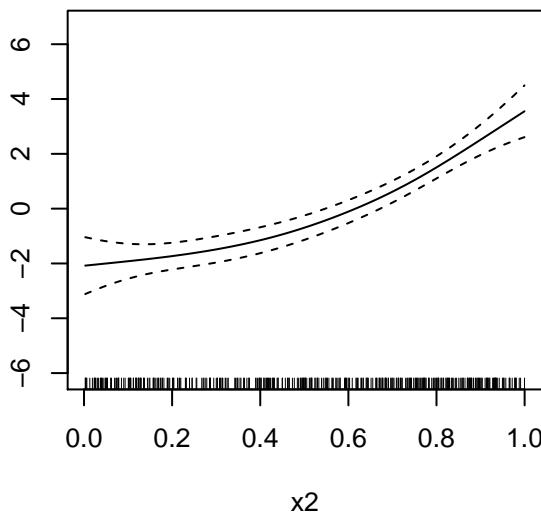
help("gam.models")



s(x2,2.58):fac1

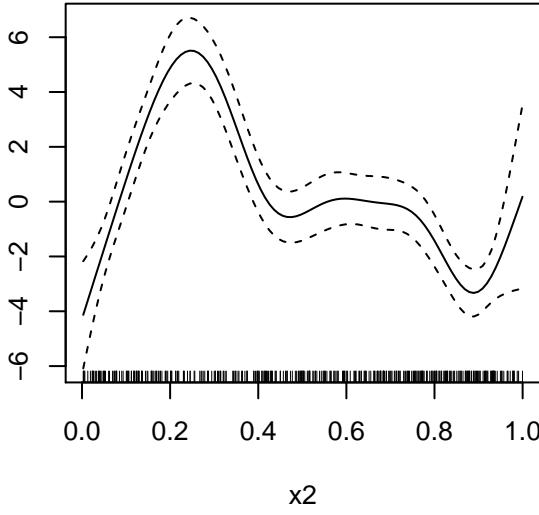


s(x2,2.22):fac2

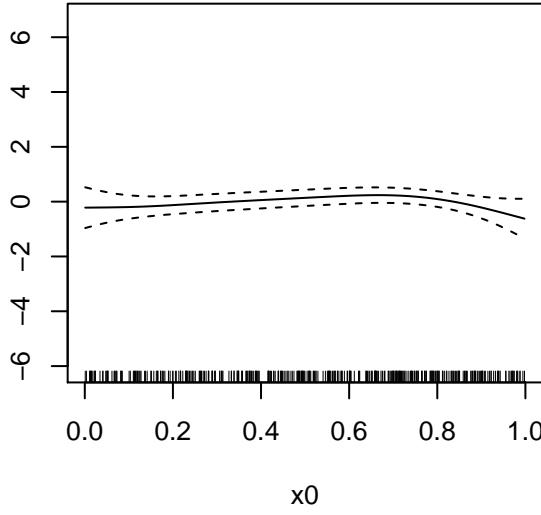


help("gam.models")

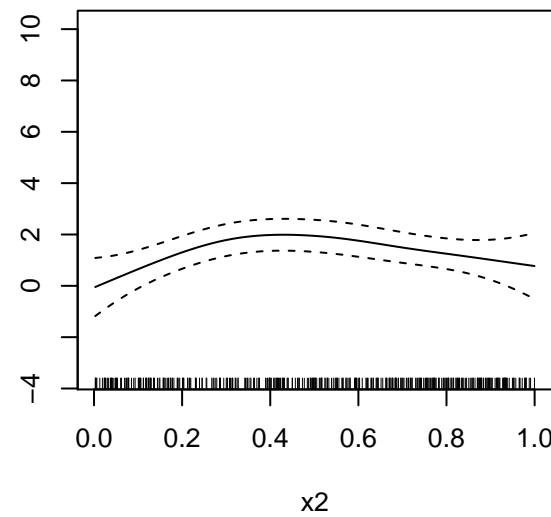
s(x2,7.88):fac3



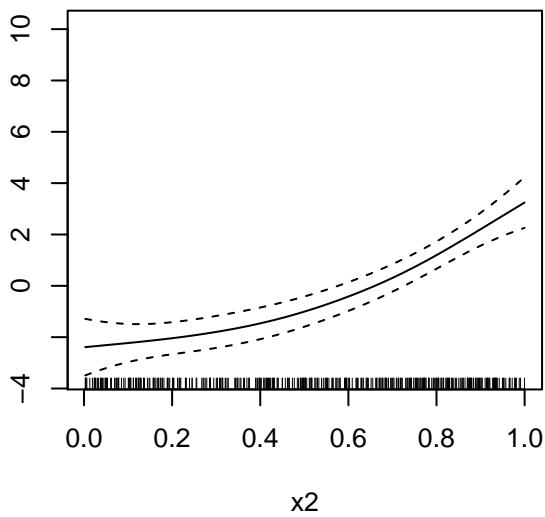
s(x0,2.88)



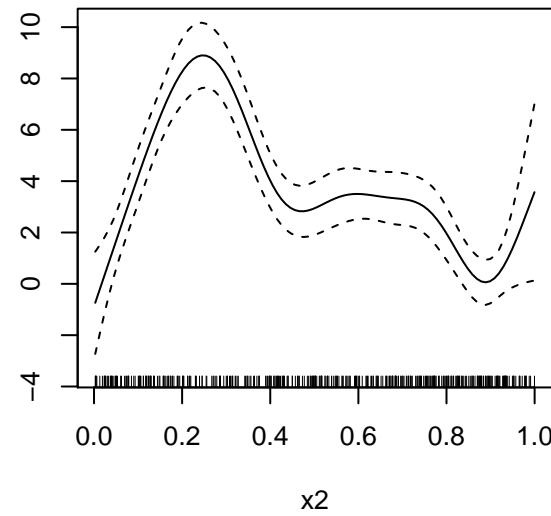
`s(x2,3.58):as.numeric(fac == 1)`



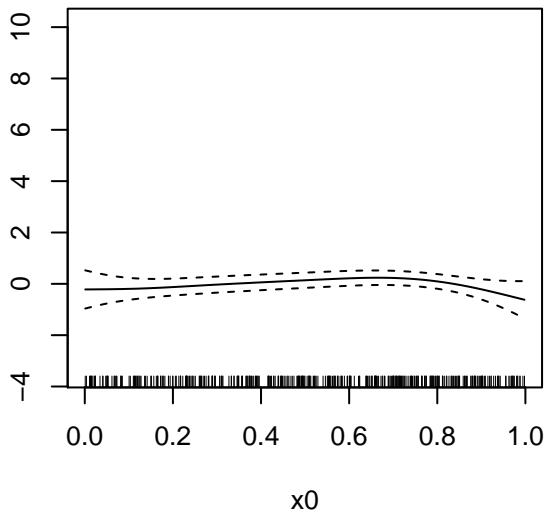
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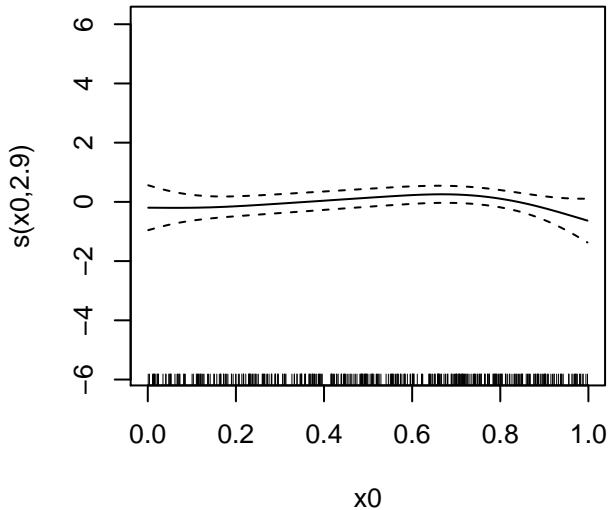
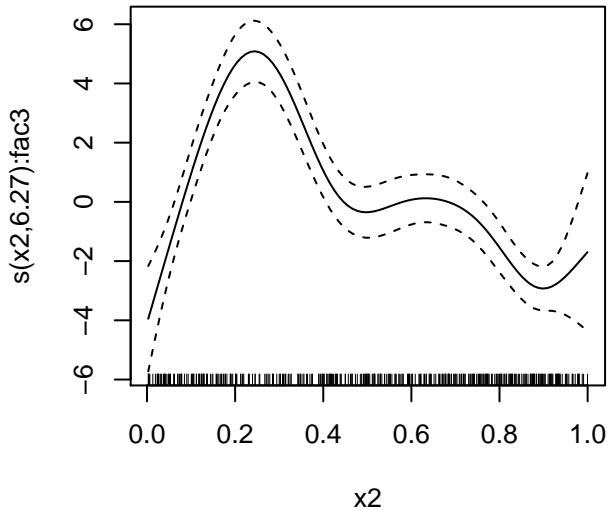
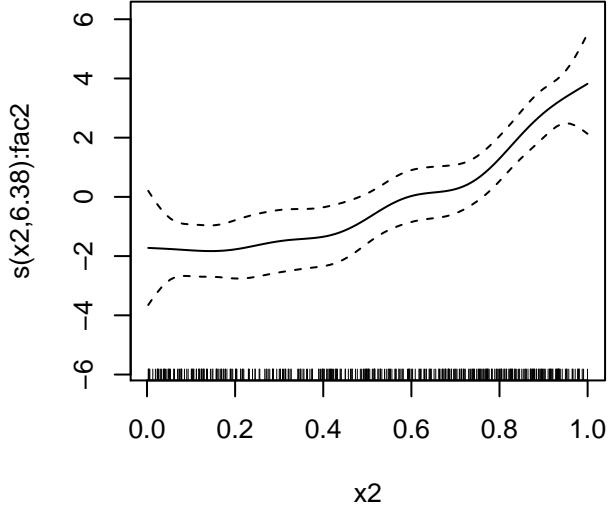
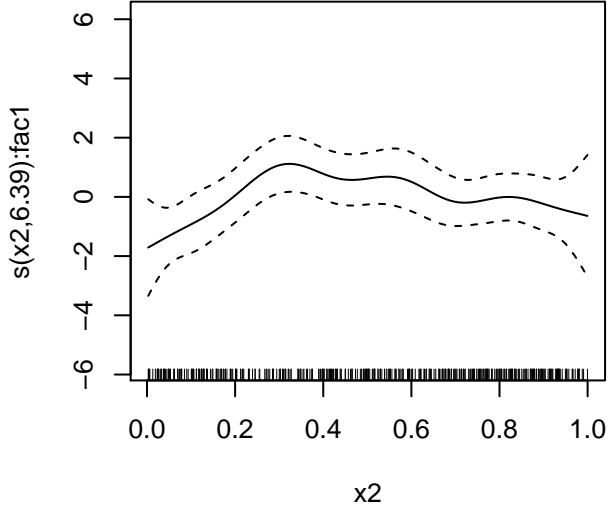
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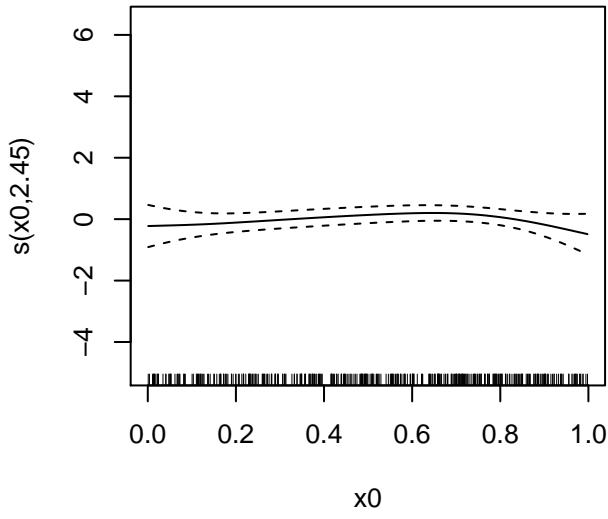
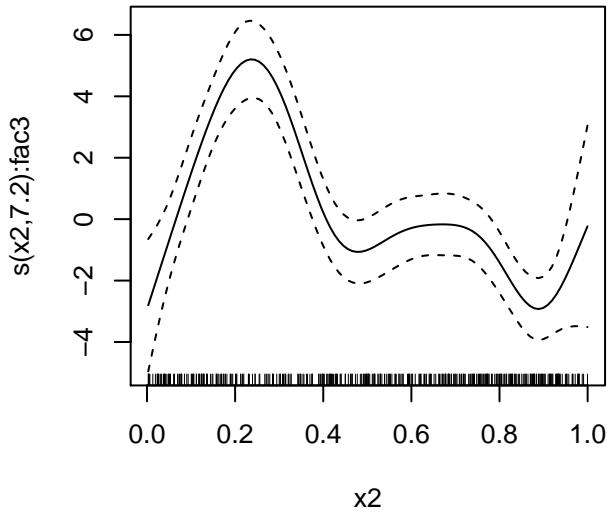
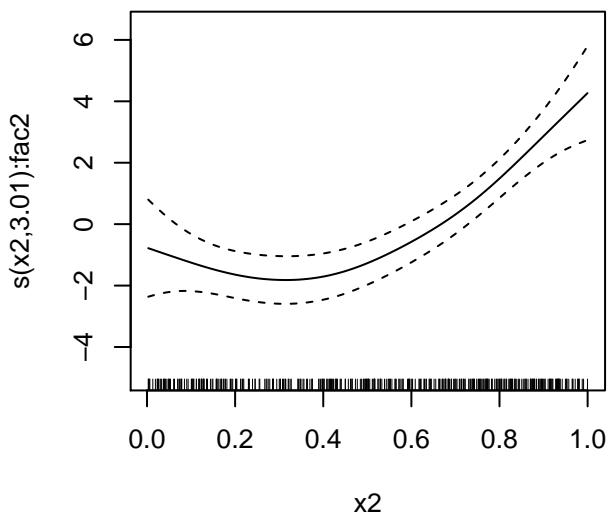
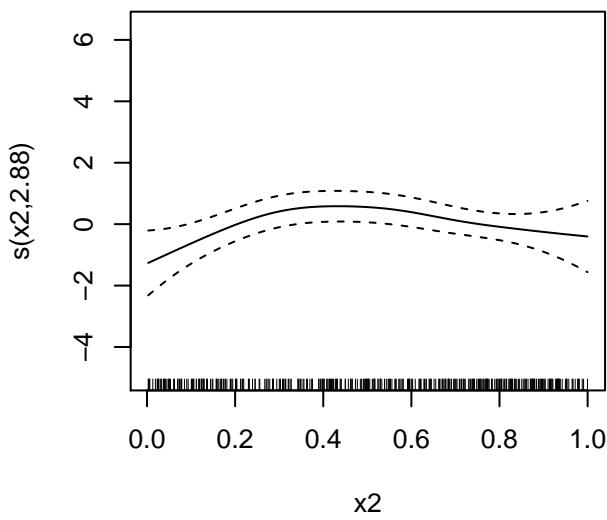
`s(x0,2.88)`



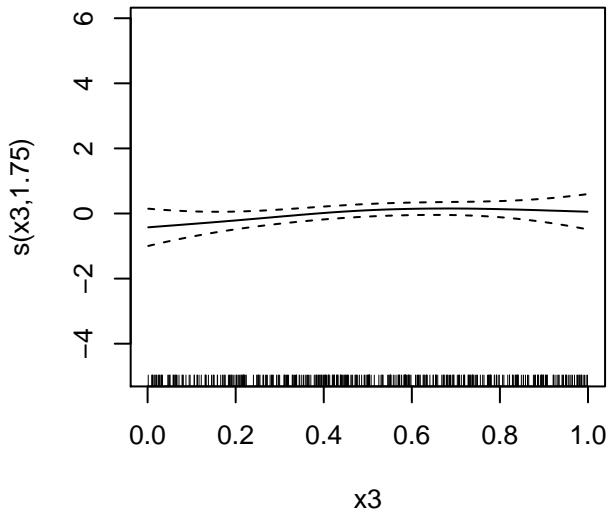
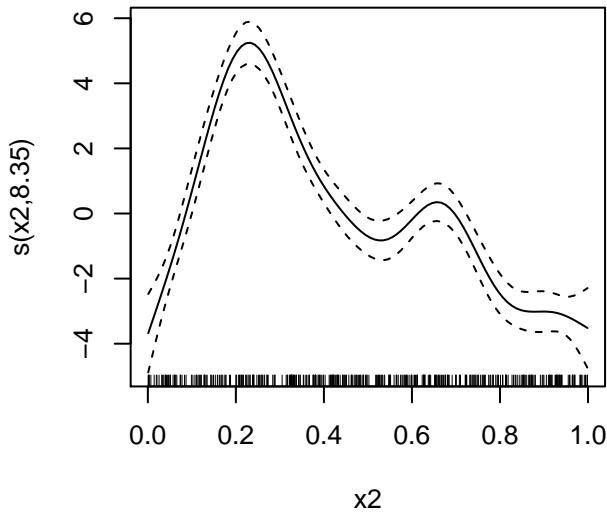
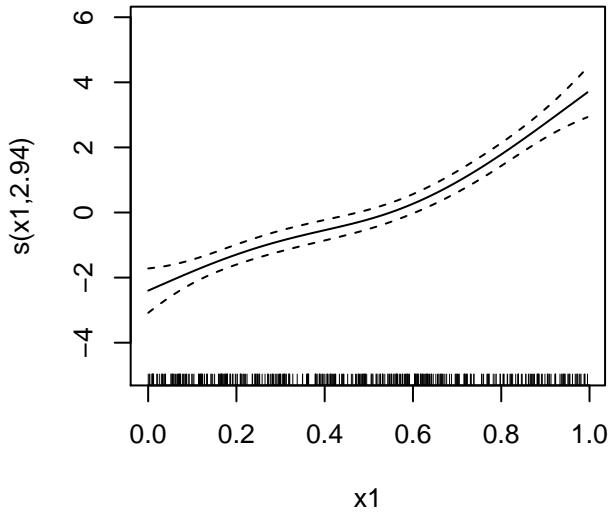
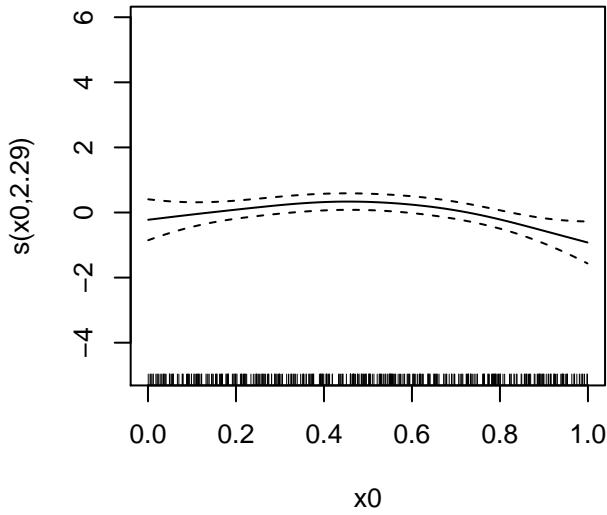
`help("gam.models")`



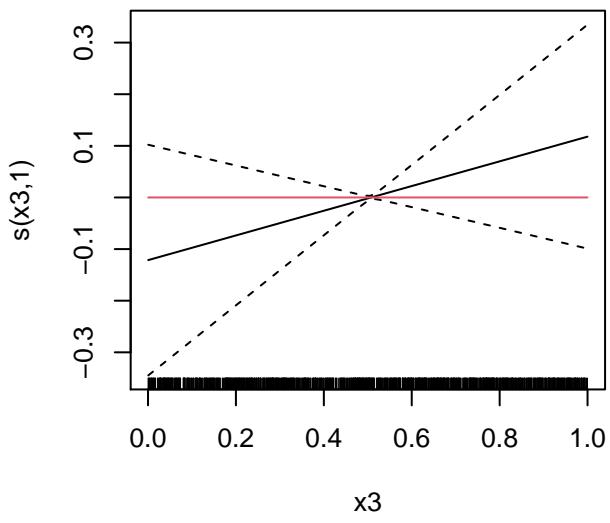
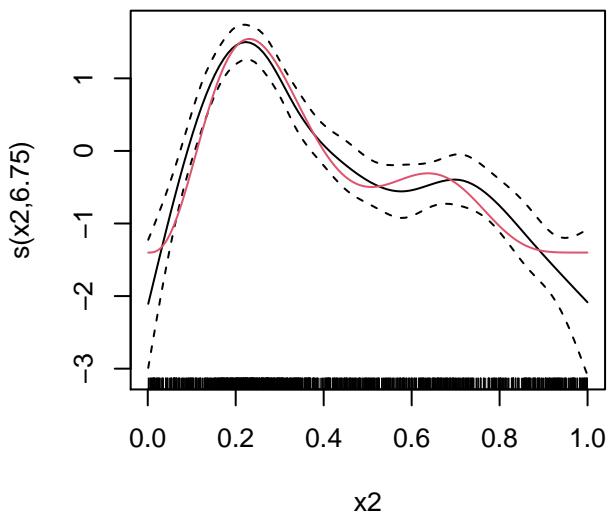
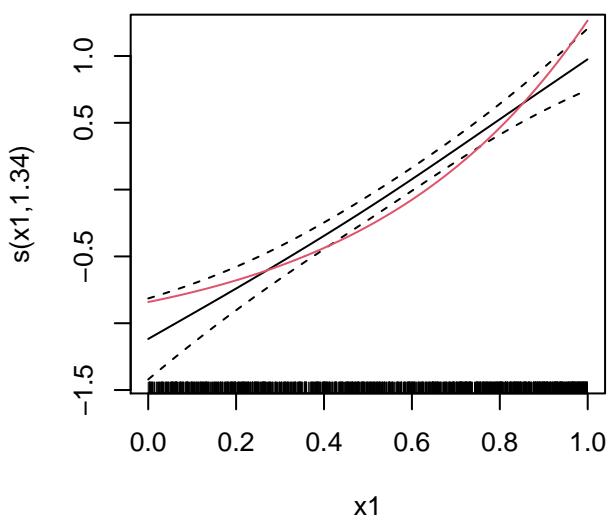
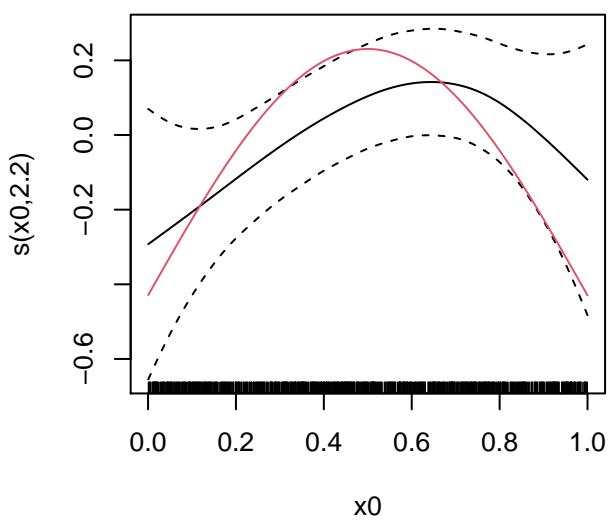
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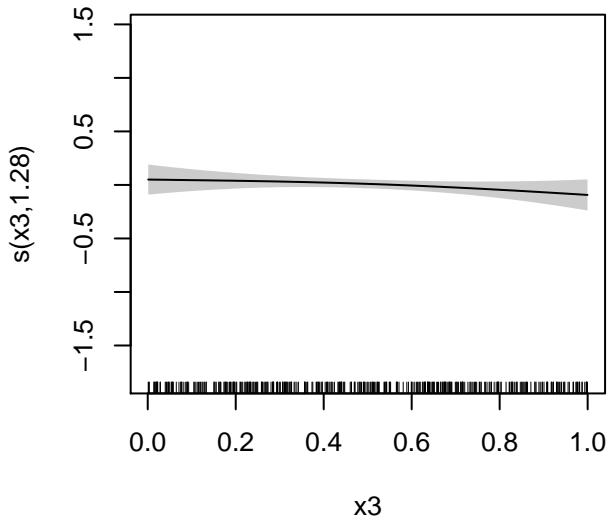
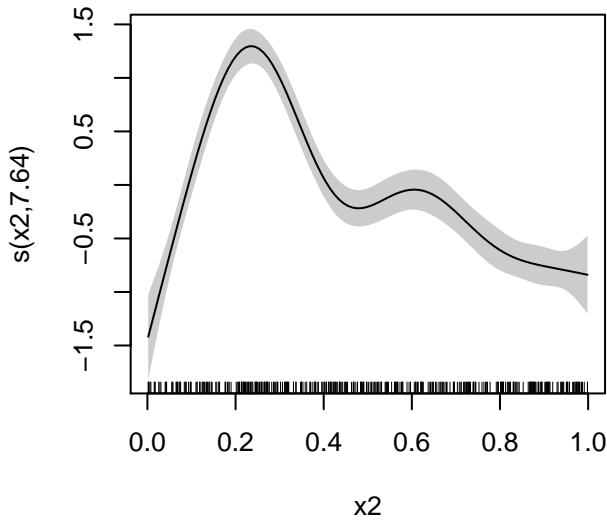
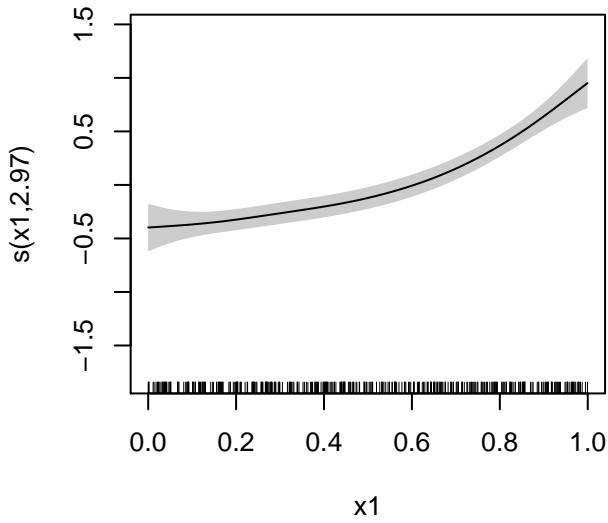
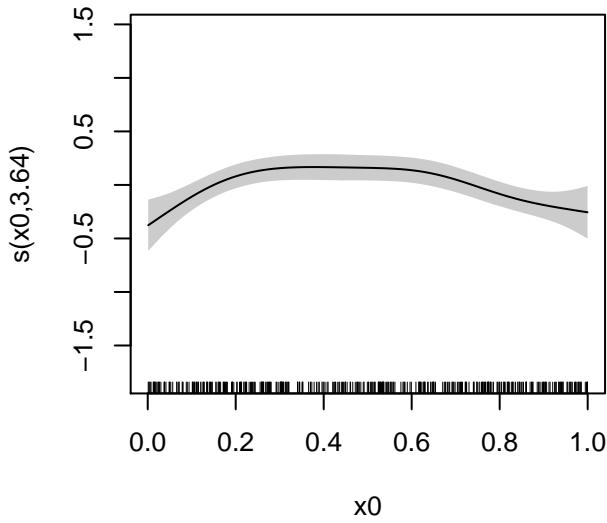
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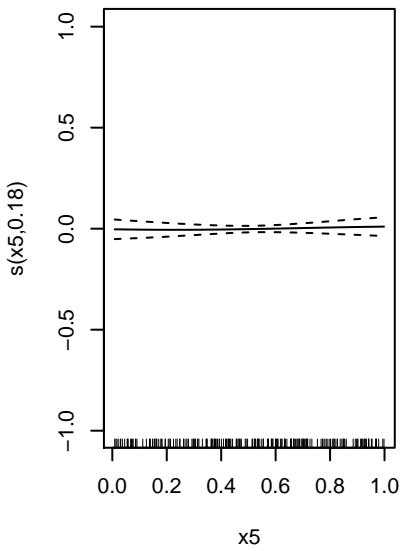
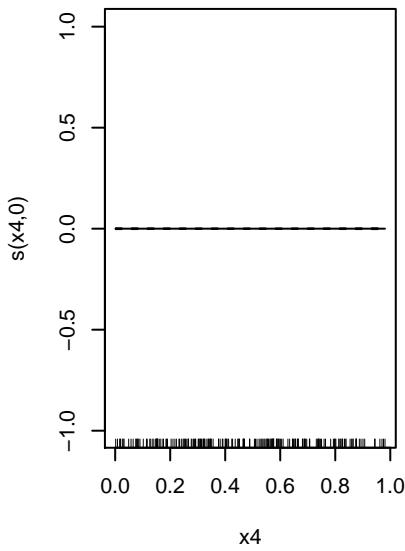
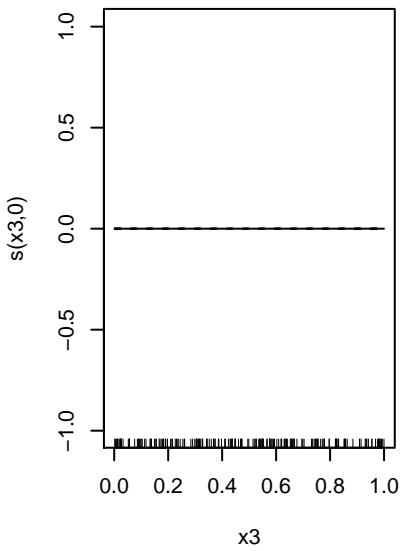
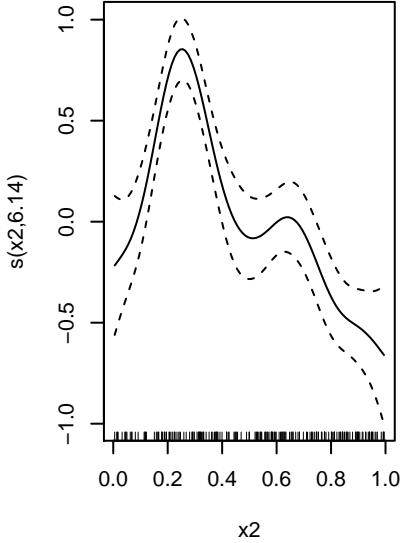
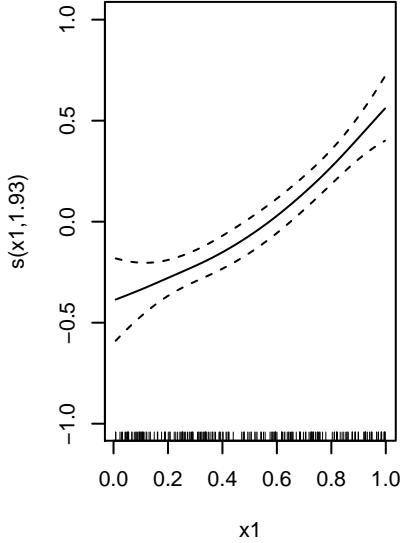
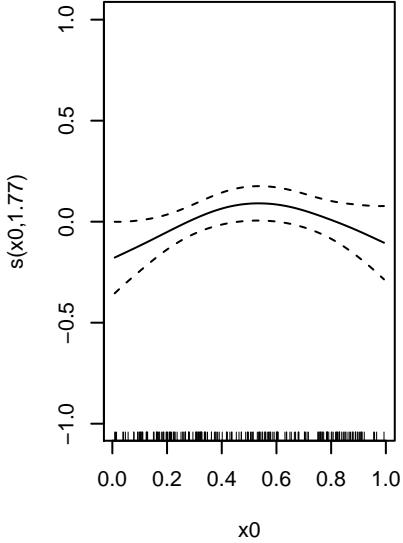


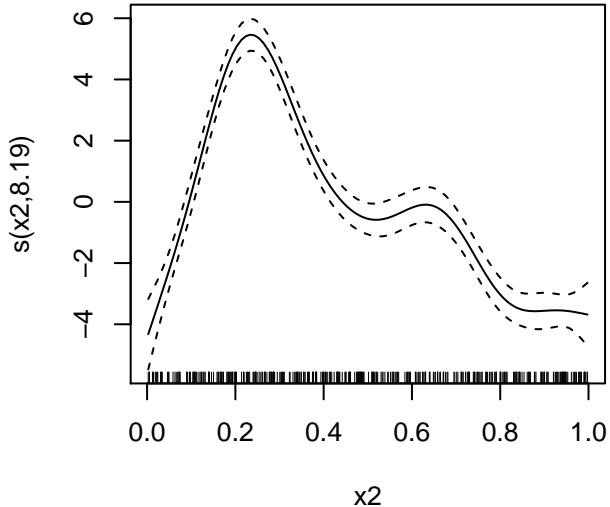
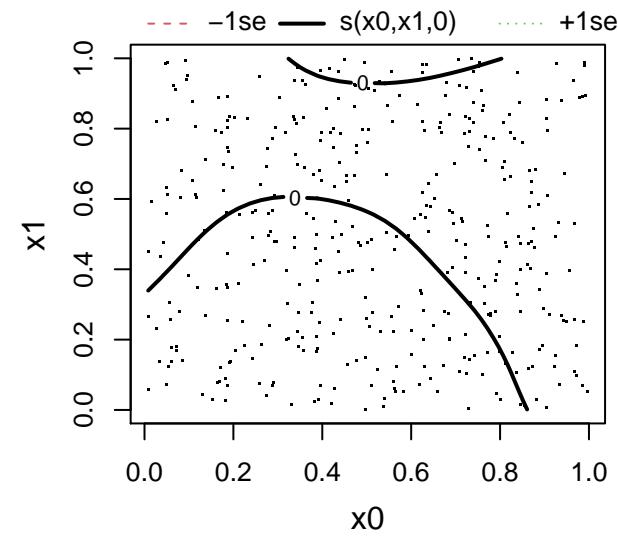
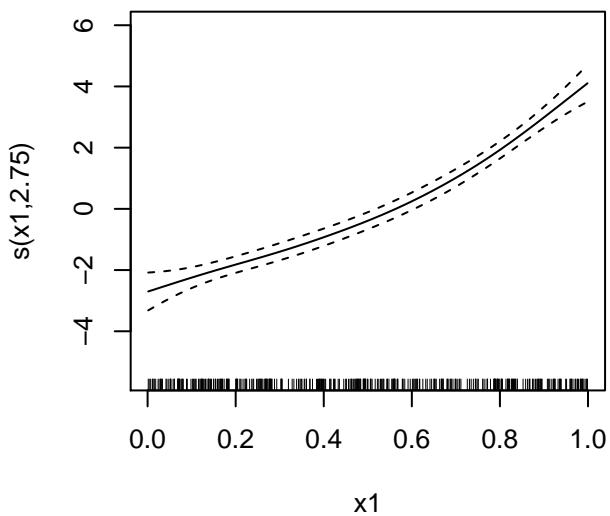
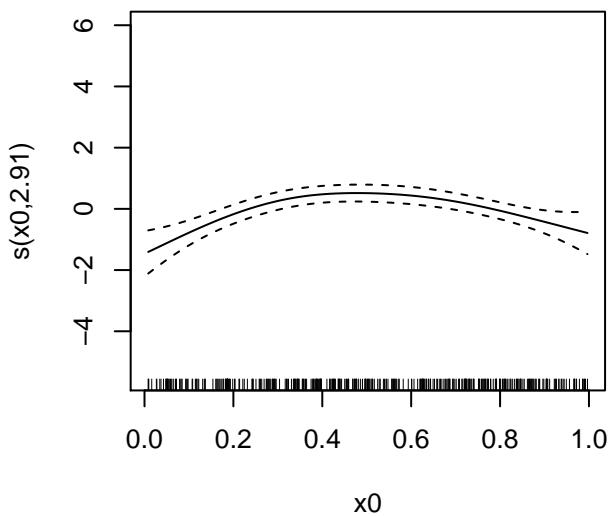
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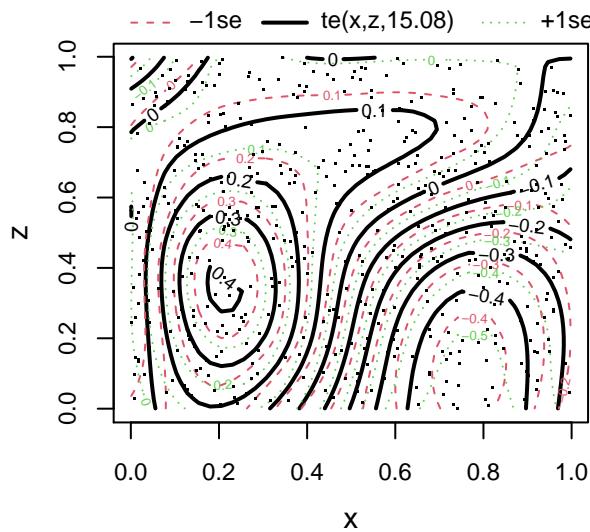
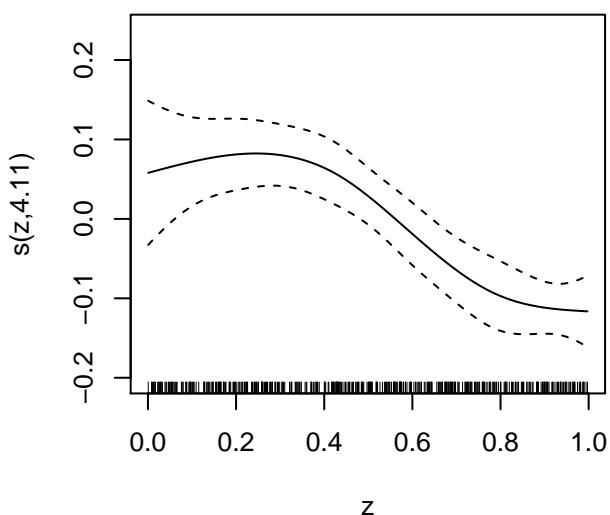
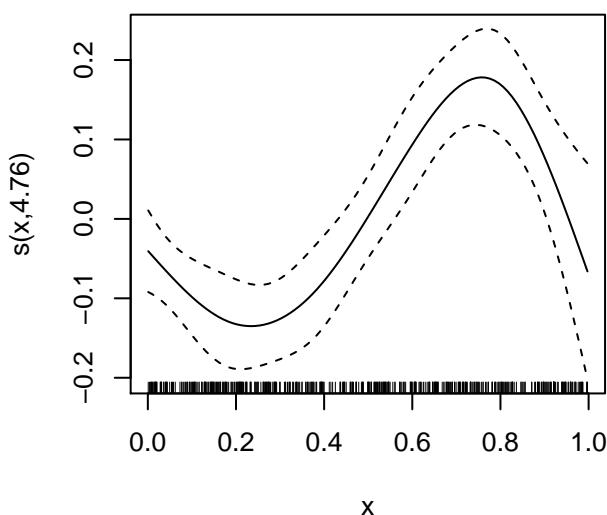
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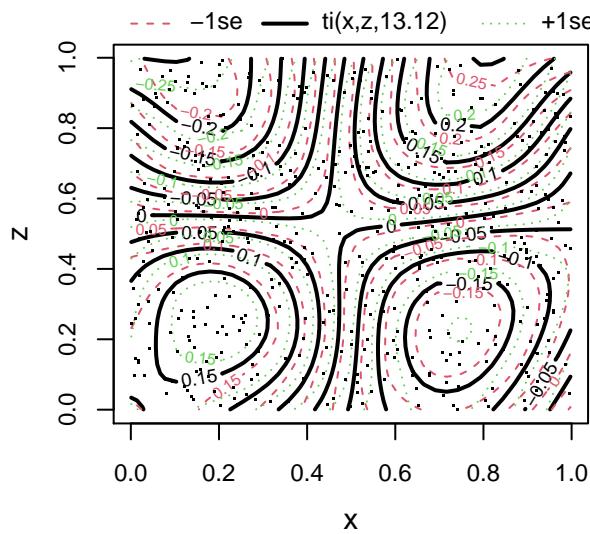
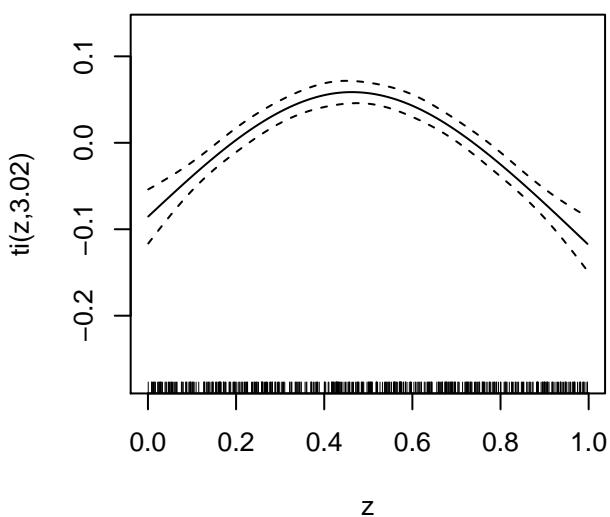
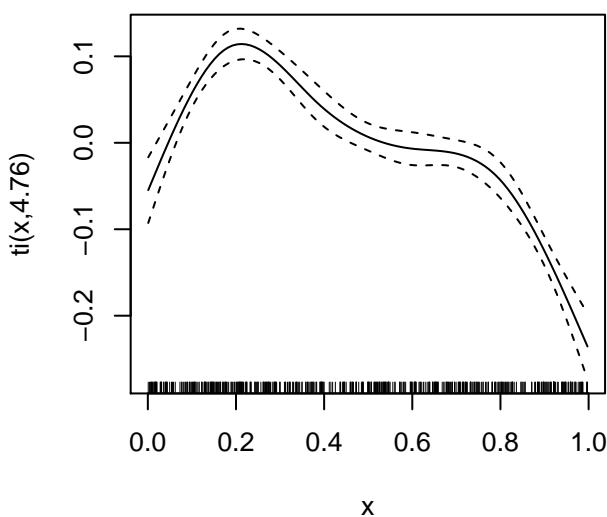




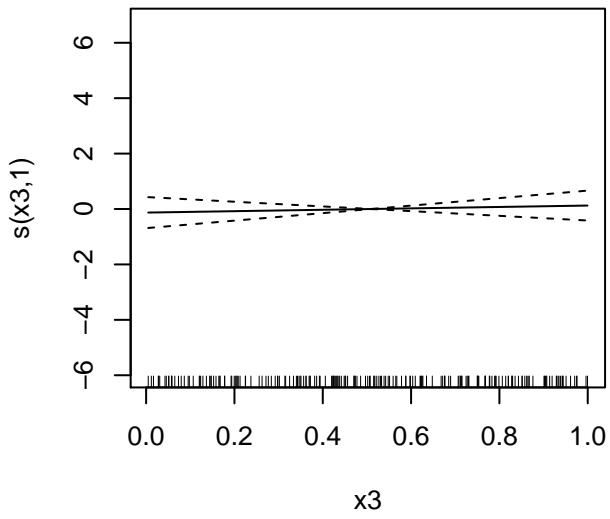
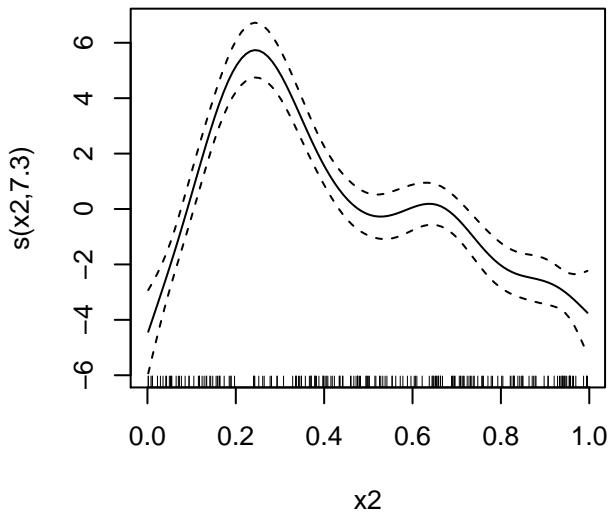
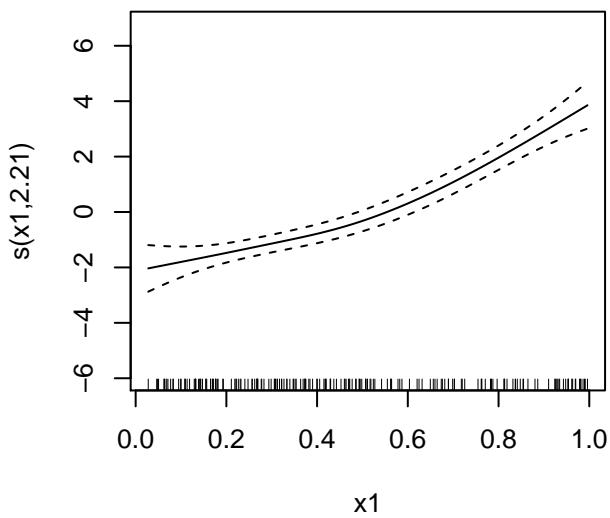
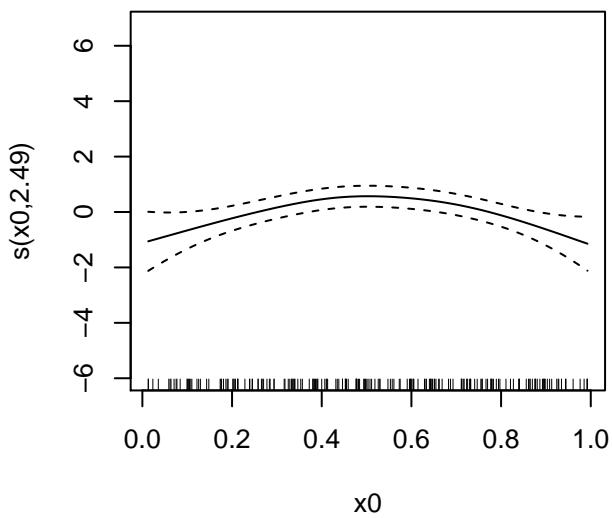
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help("gam.side")

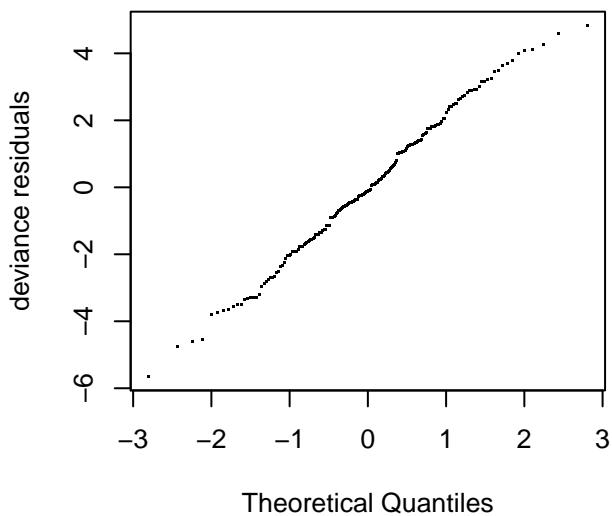


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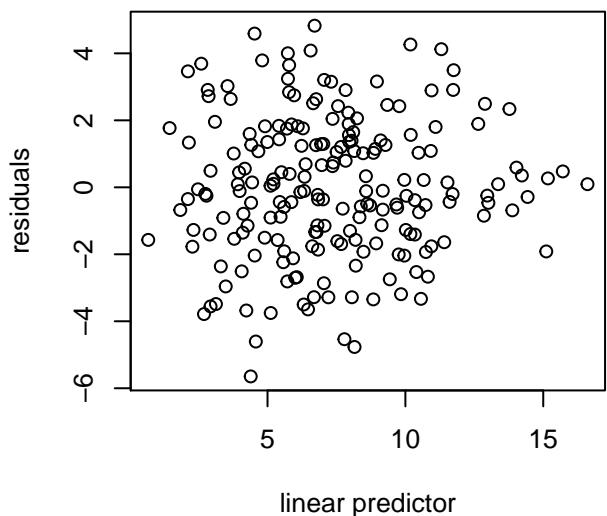


help("gamm")

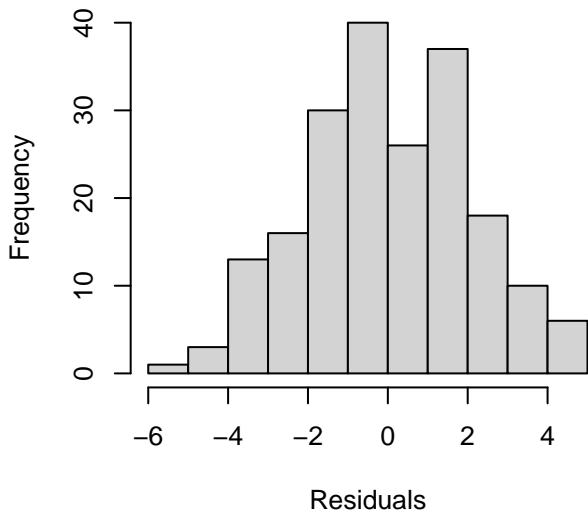
### Normal Q–Q Plot



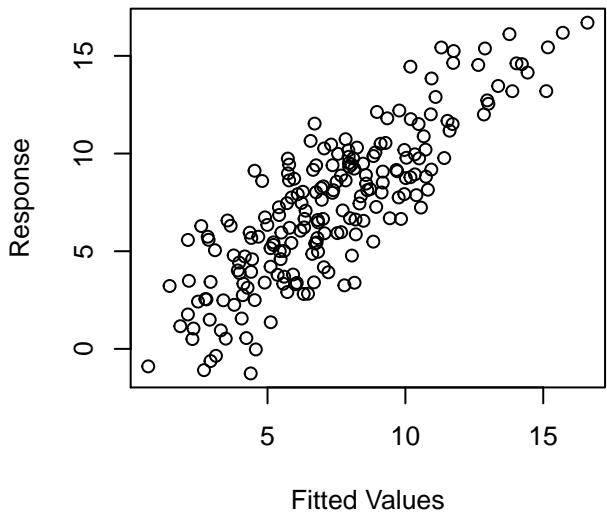
### Resids vs. linear pred.



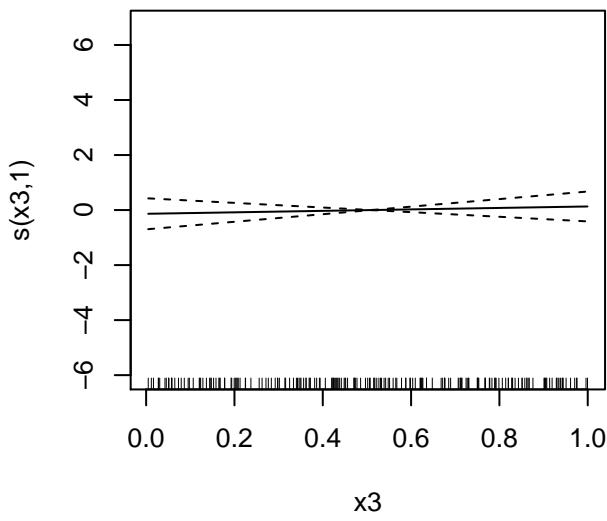
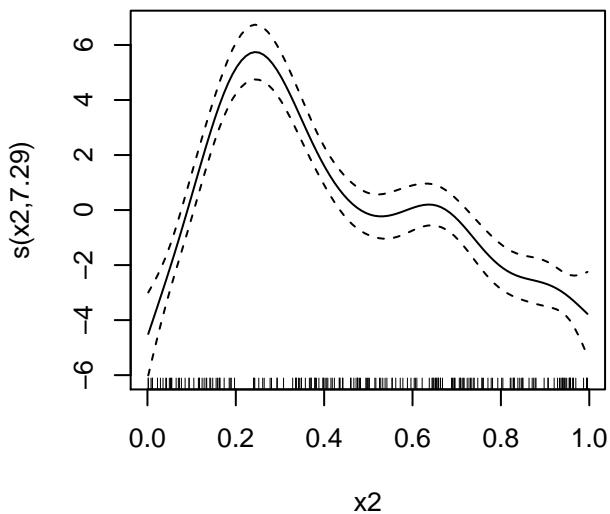
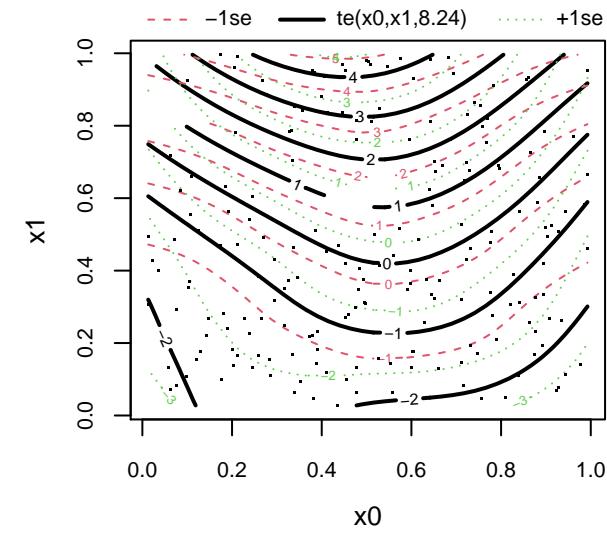
### Histogram of residuals



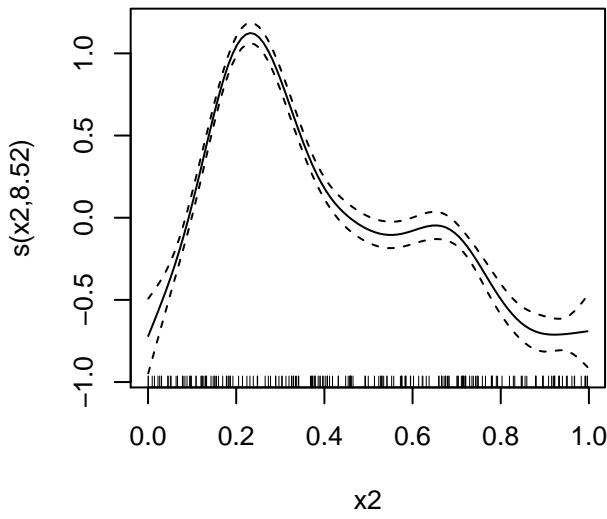
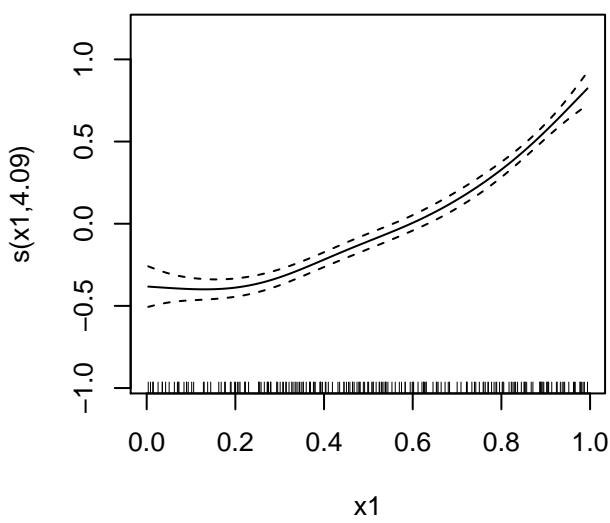
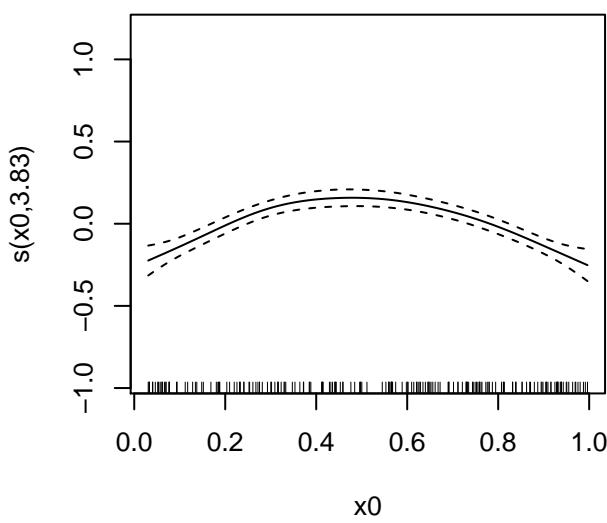
### Response vs. Fitted Values



help("gamm")

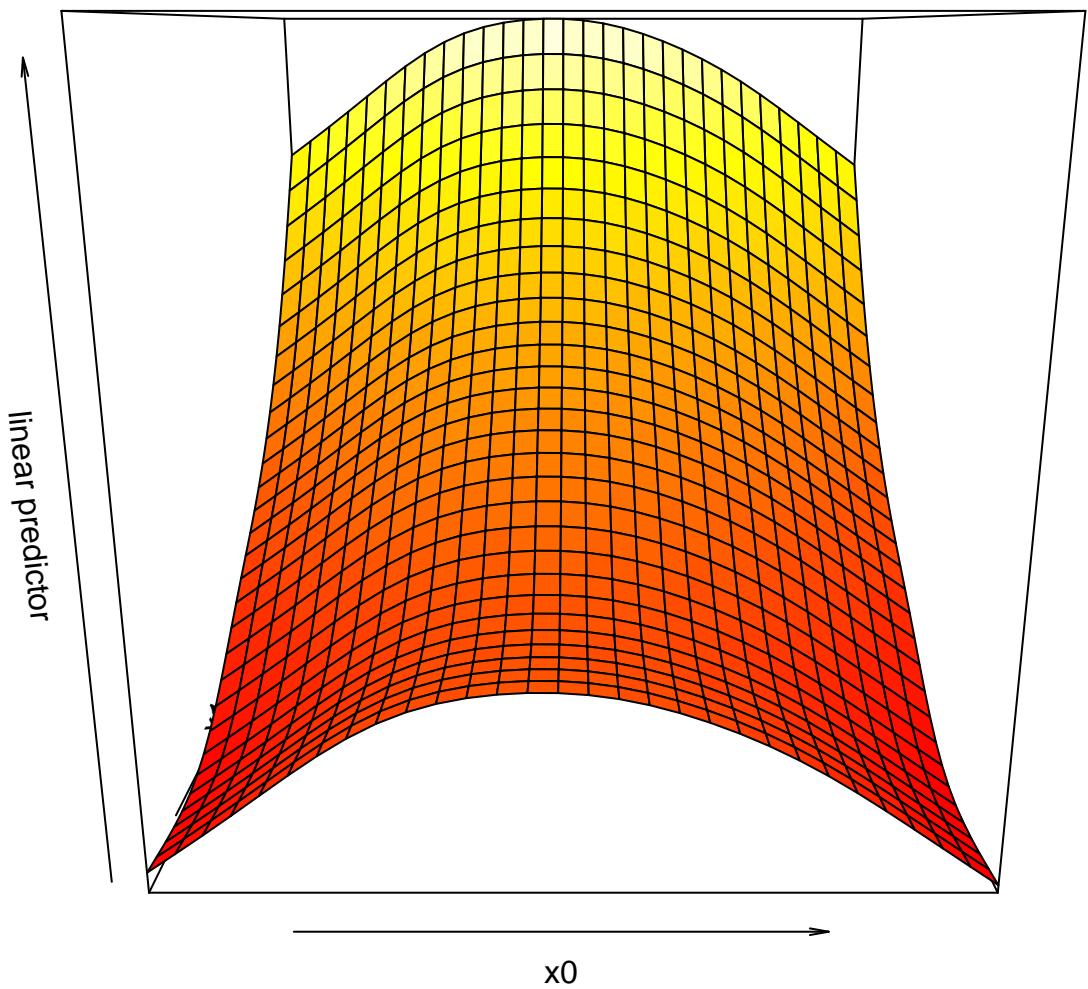


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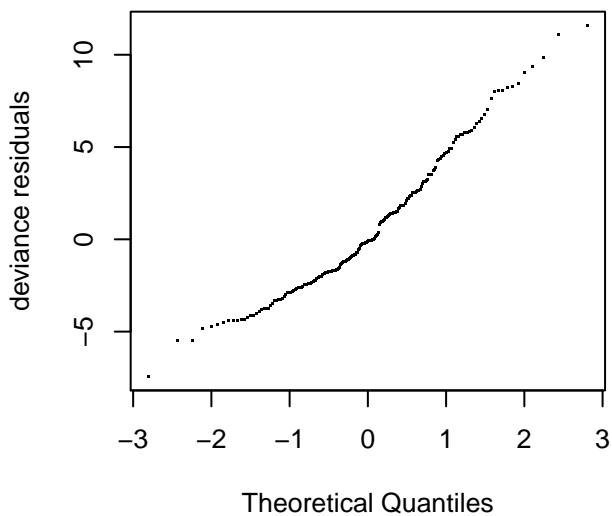


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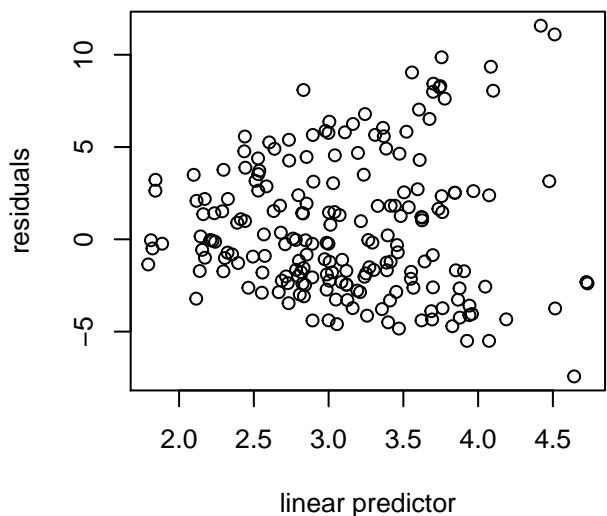
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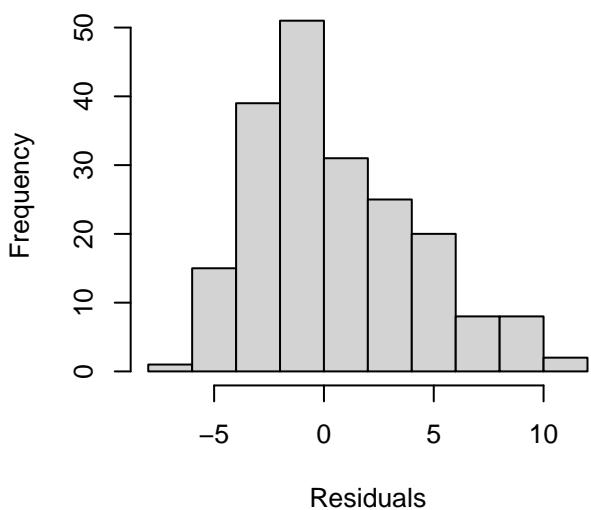
### Normal Q–Q Plot



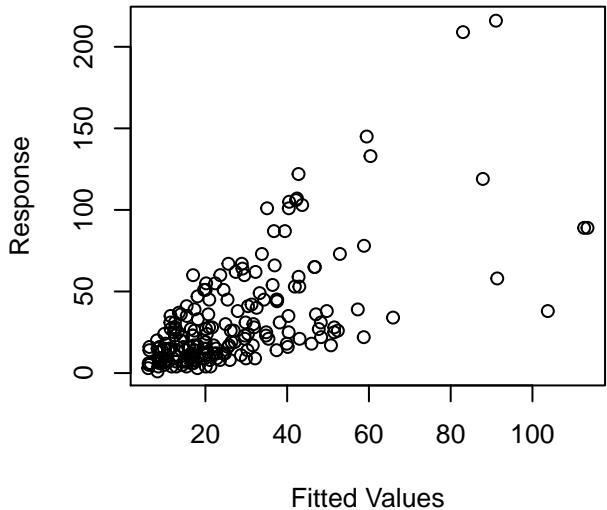
### Resids vs. linear pred.



### Histogram of residuals

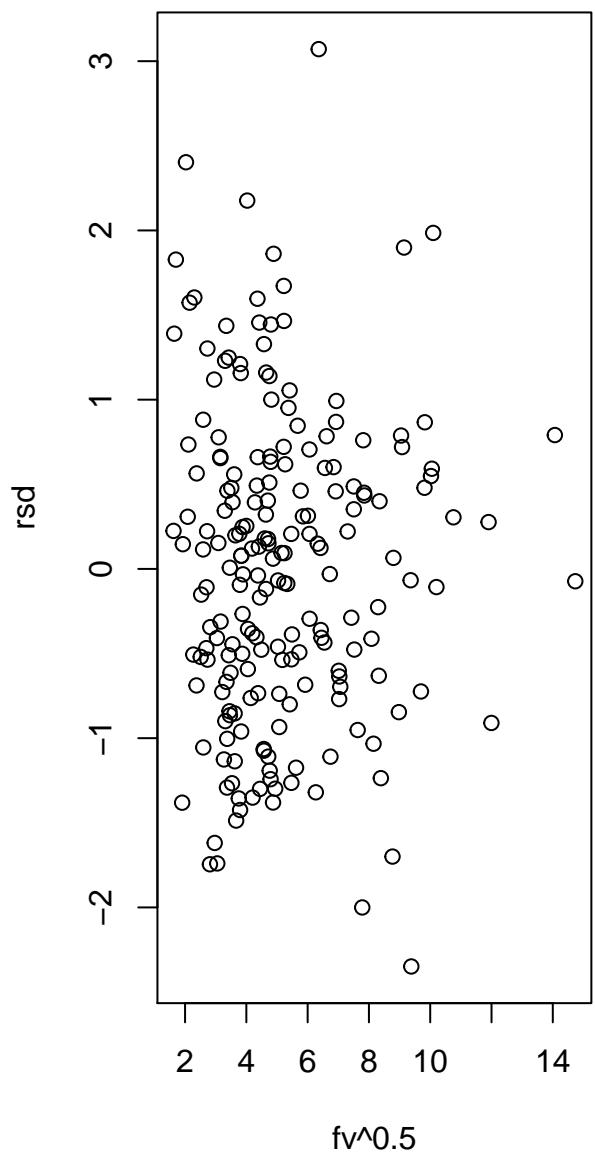
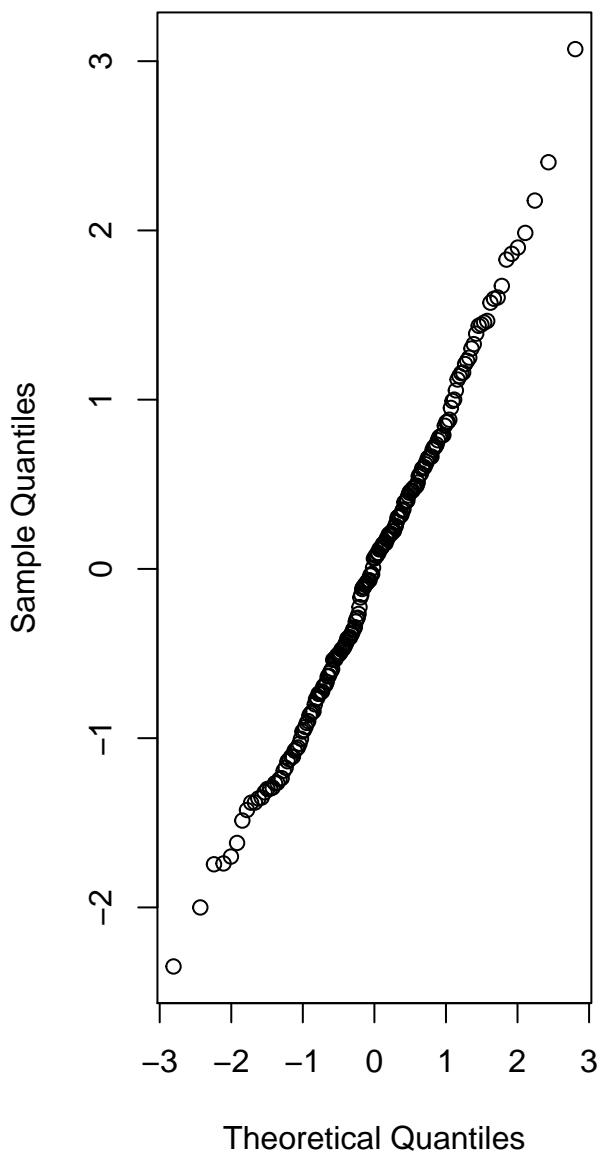


### Response vs. Fitted Values



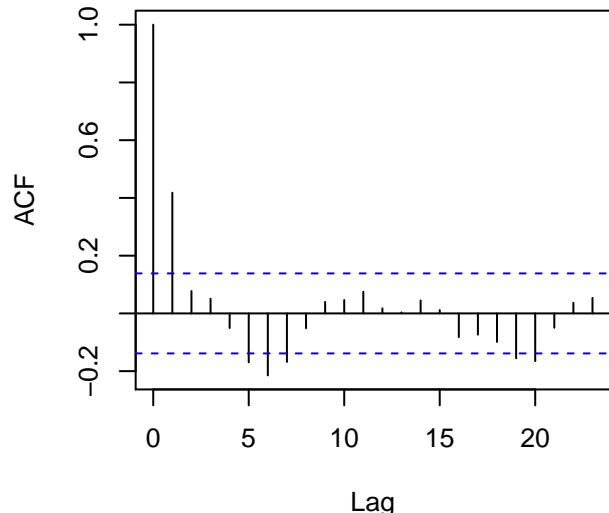
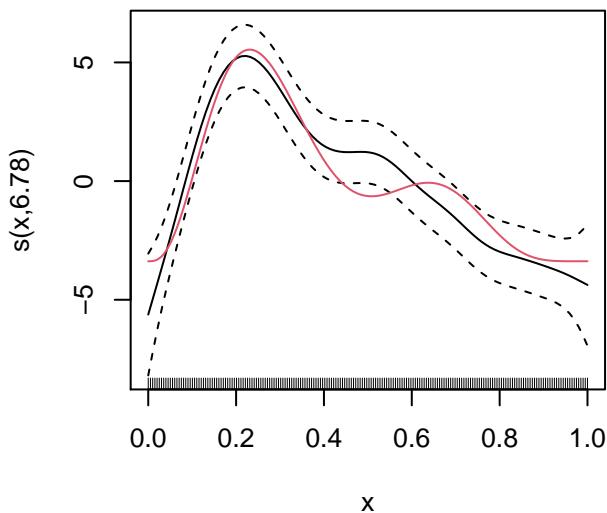
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## Normal Q-Q Plot

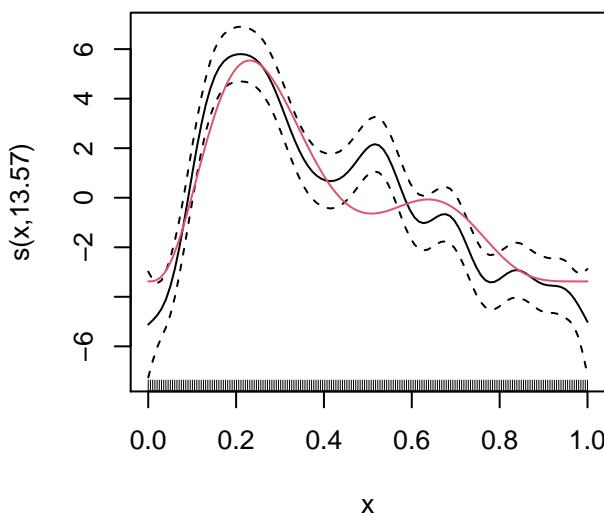
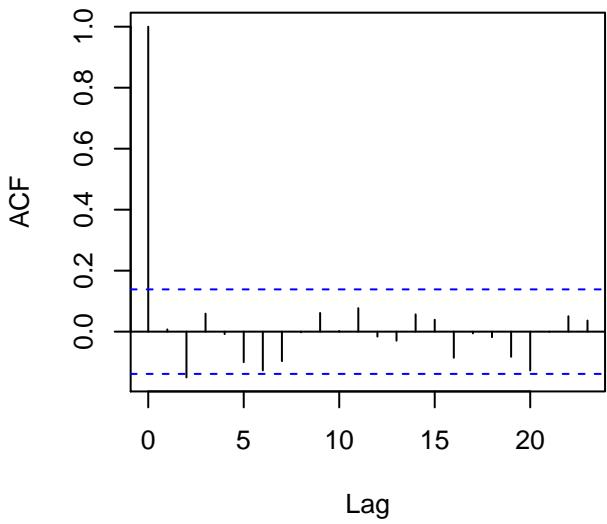


help("gamm")

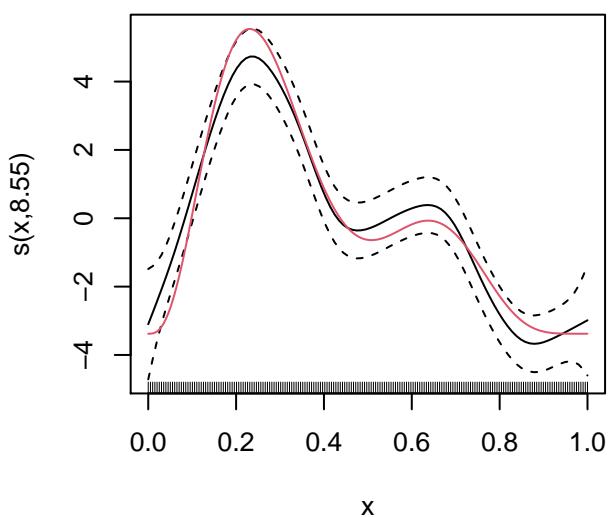
### raw residual ACF

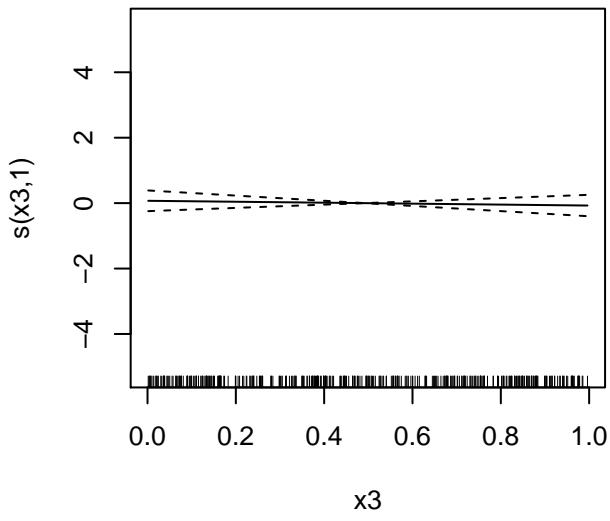
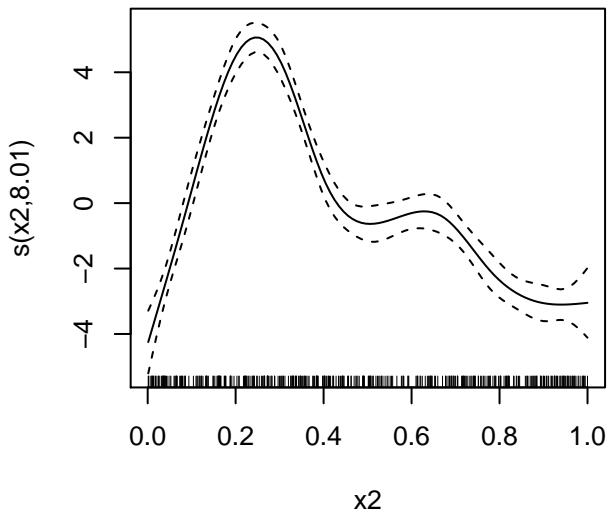
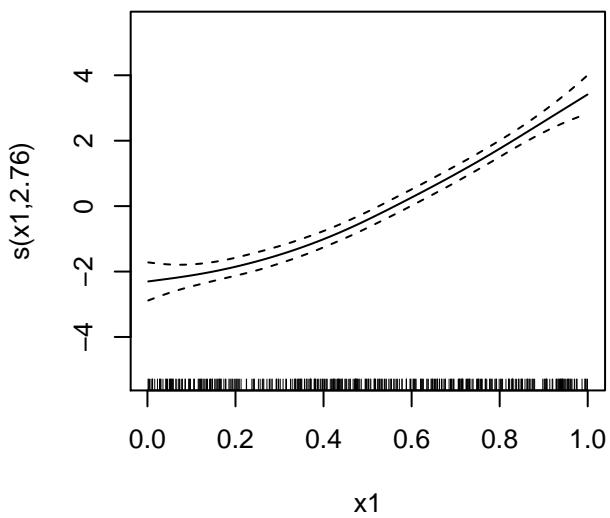
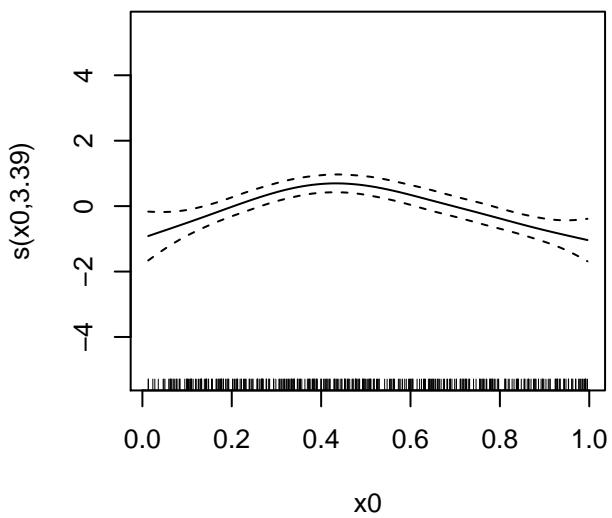


### standardized residual ACF



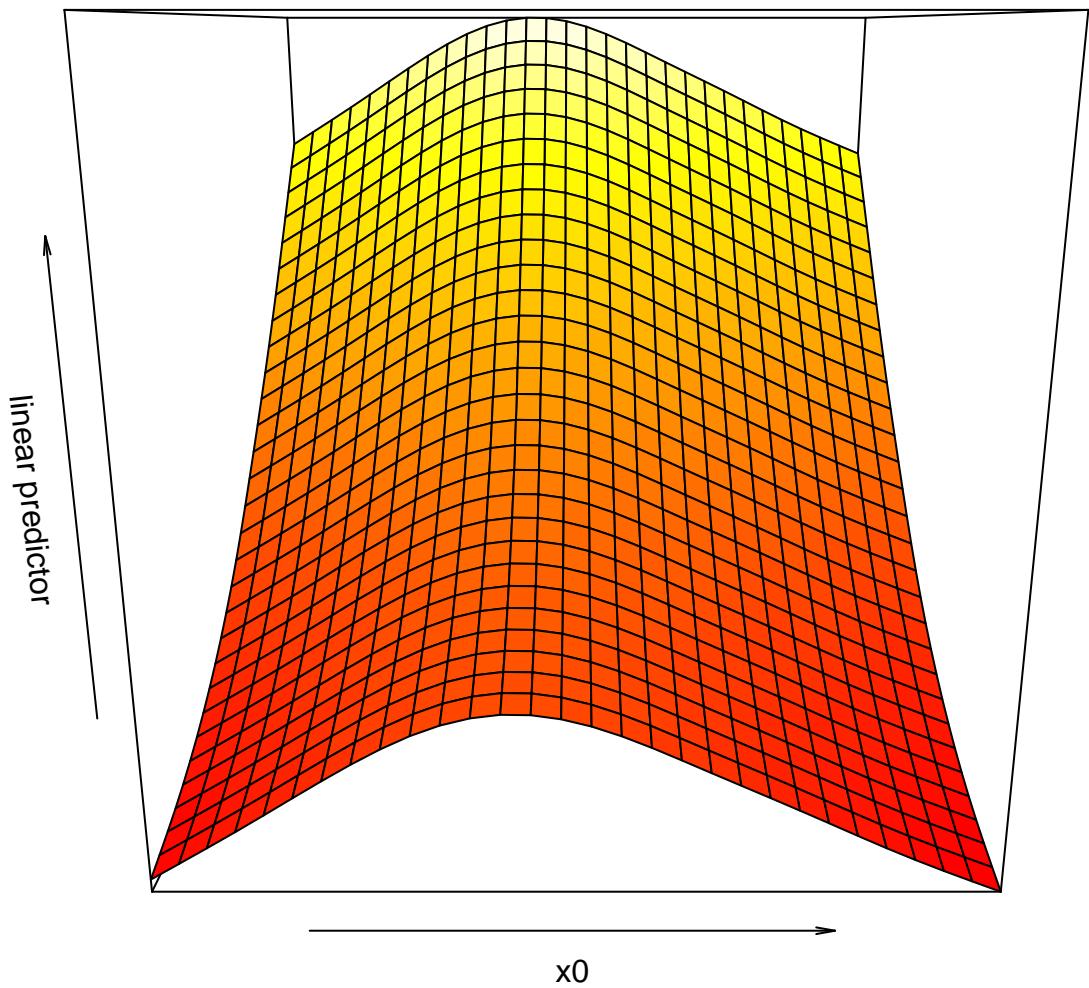
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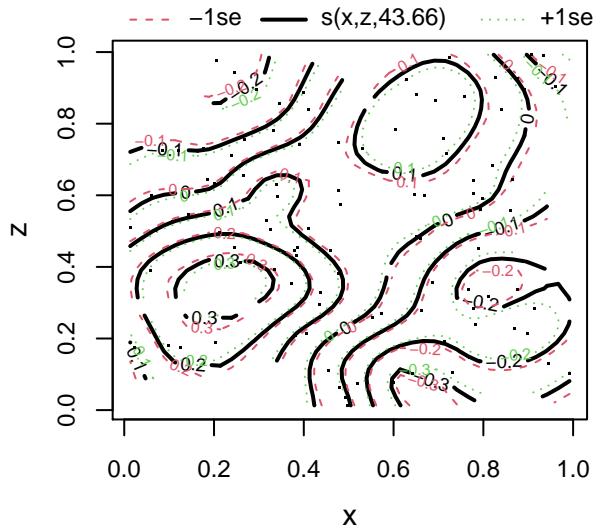
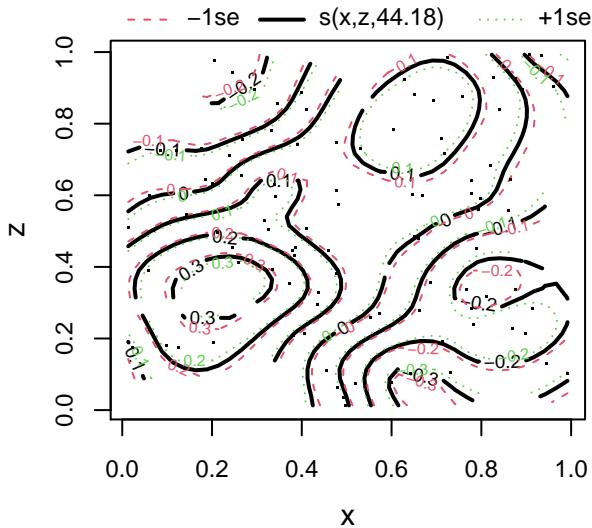
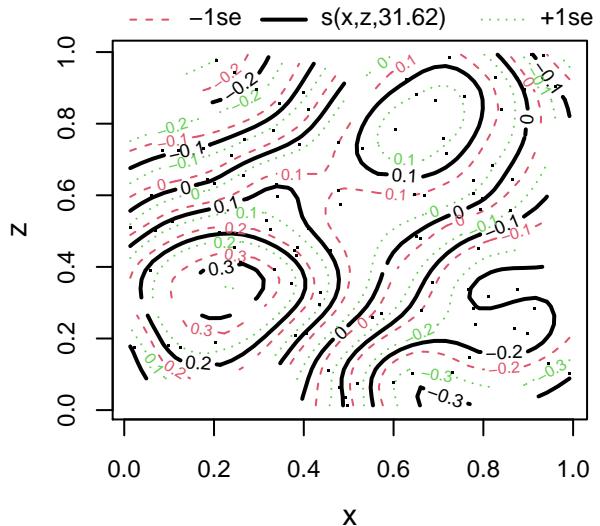
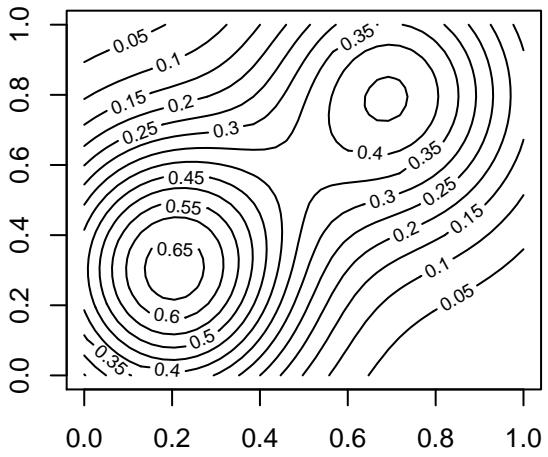




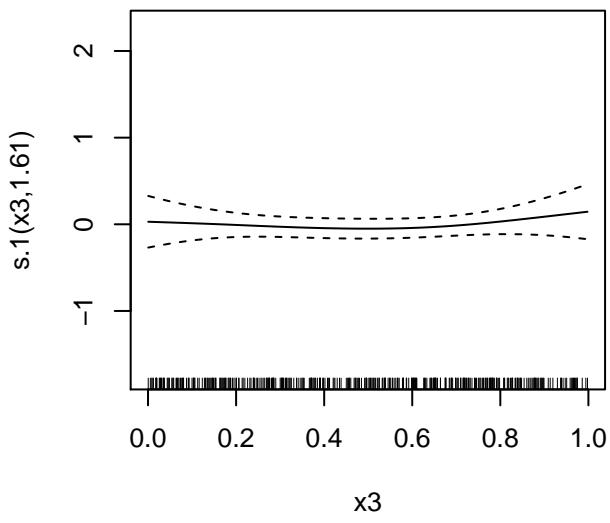
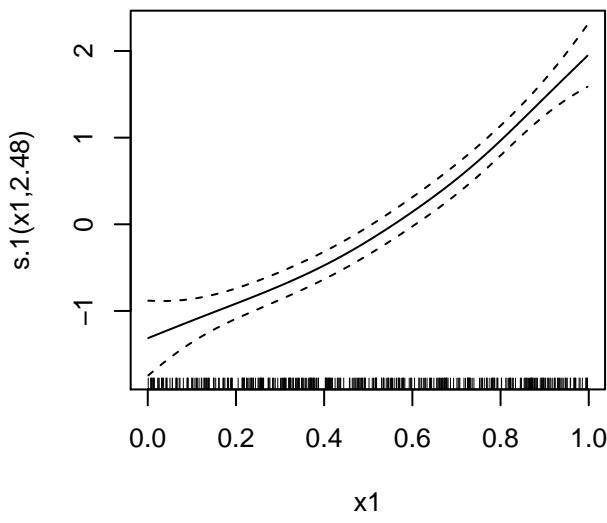
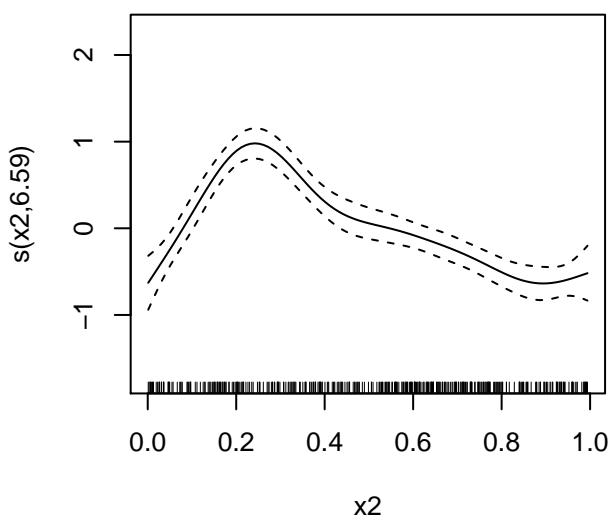
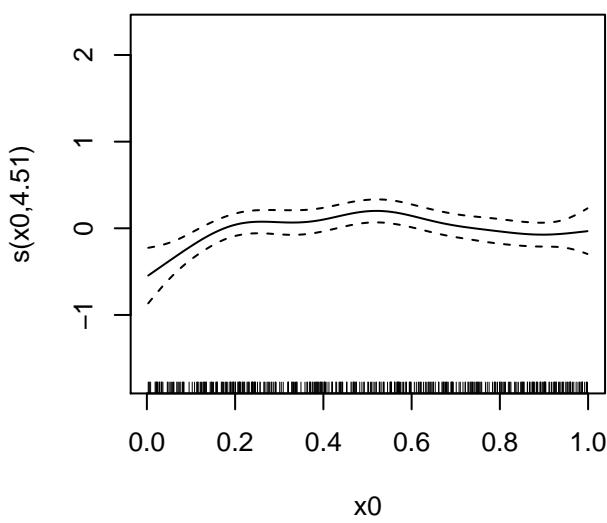
help("gamm")

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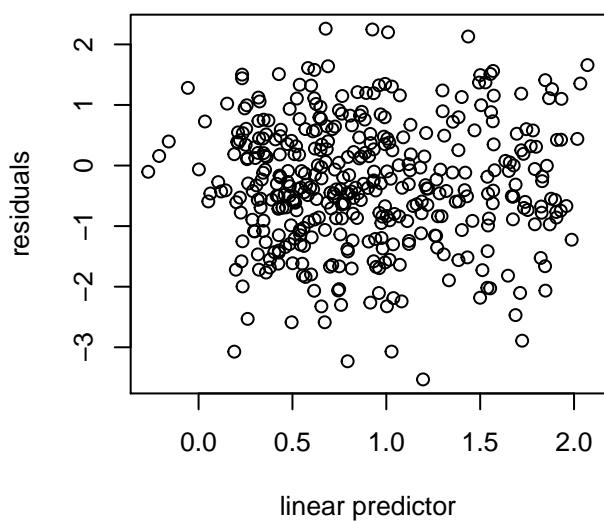
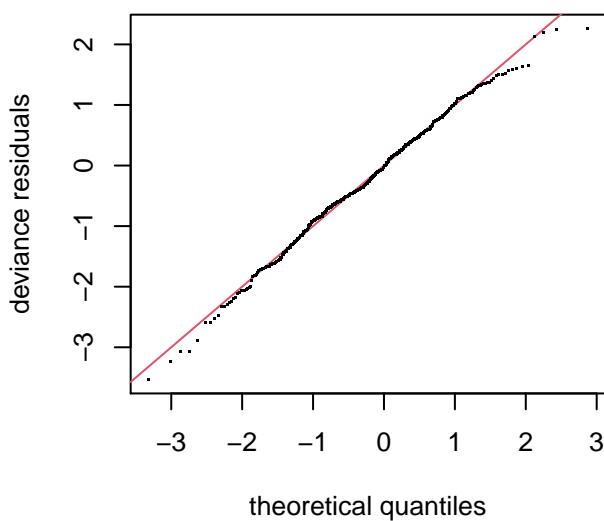


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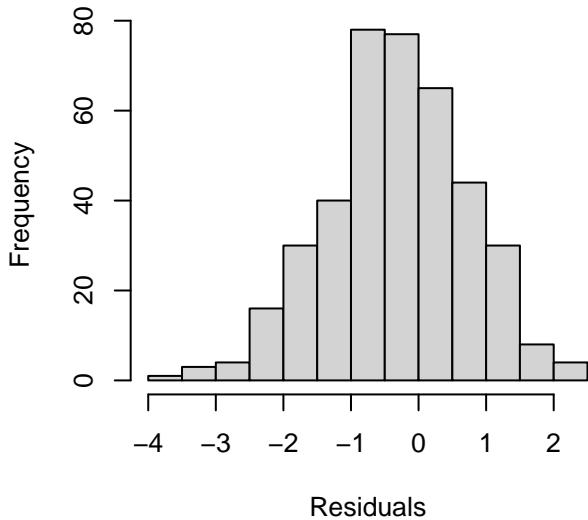


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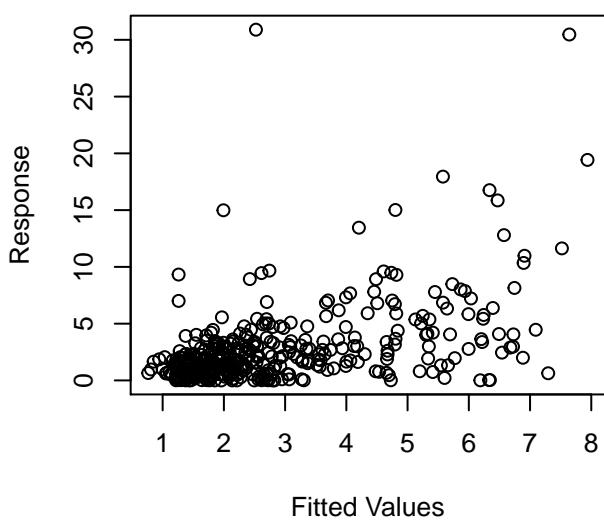
## Resids vs. linear pred.



## Histogram of residuals



## Response vs. Fitted Values



help("gammals")

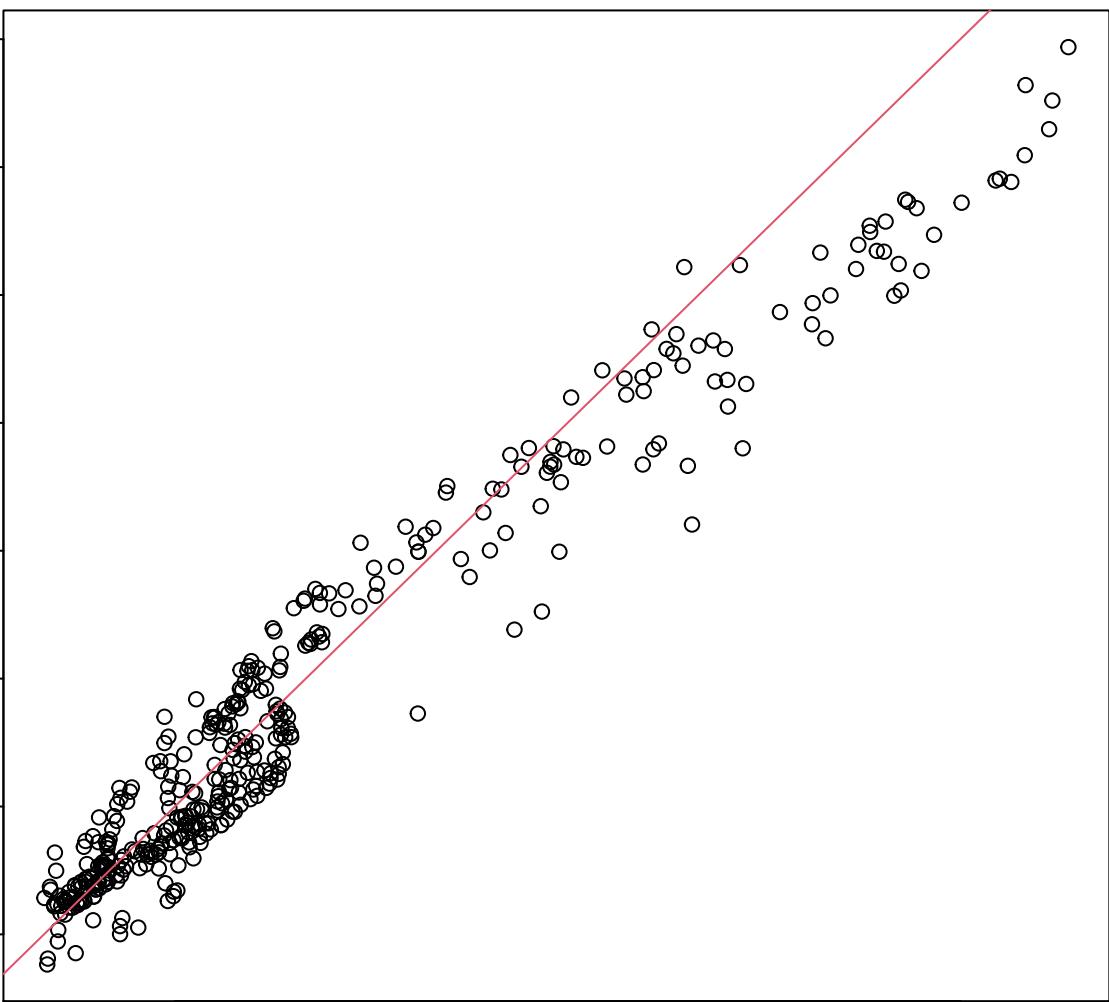
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6  
5  
4  
3  
2  
1

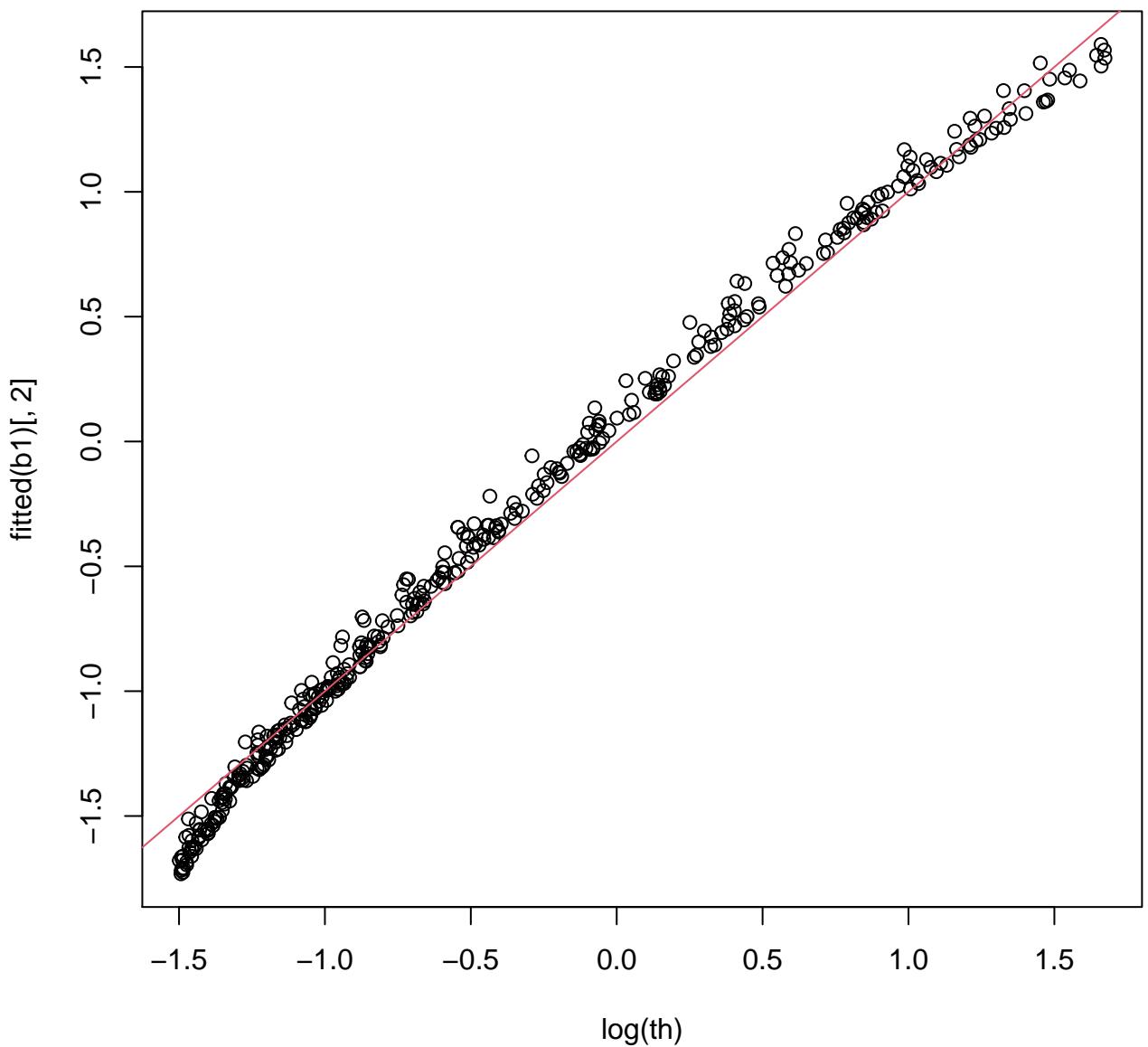
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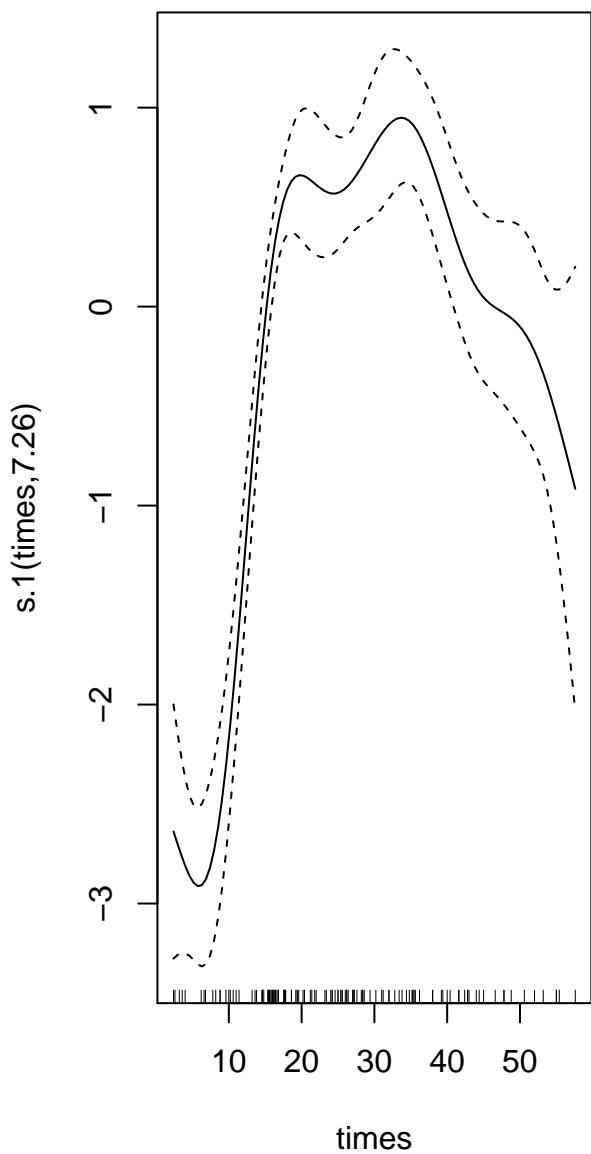
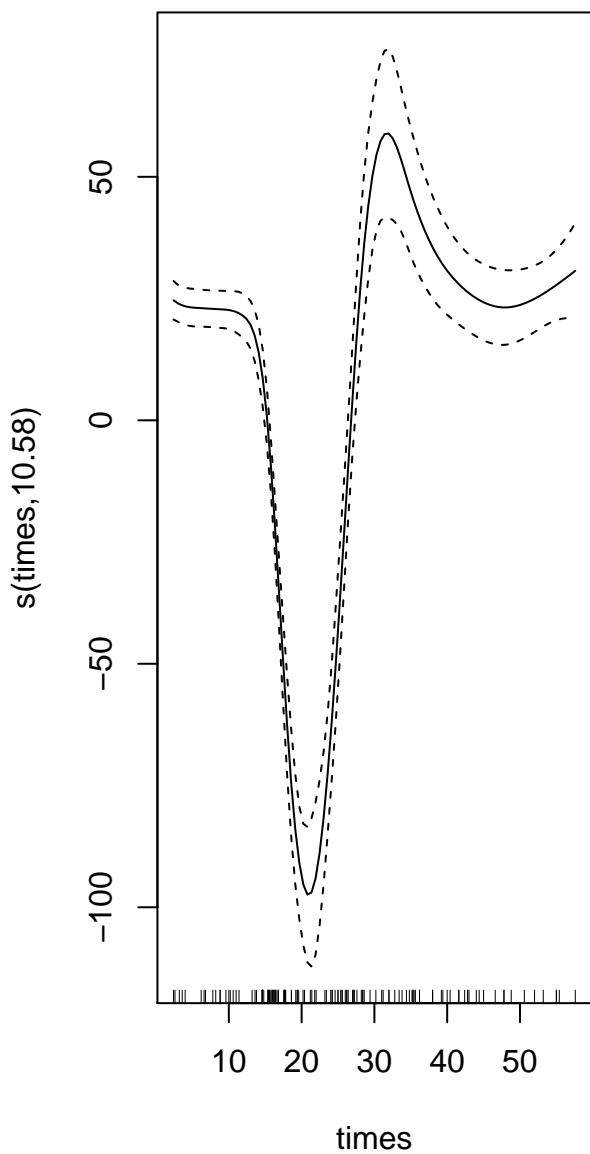
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help("gammals")

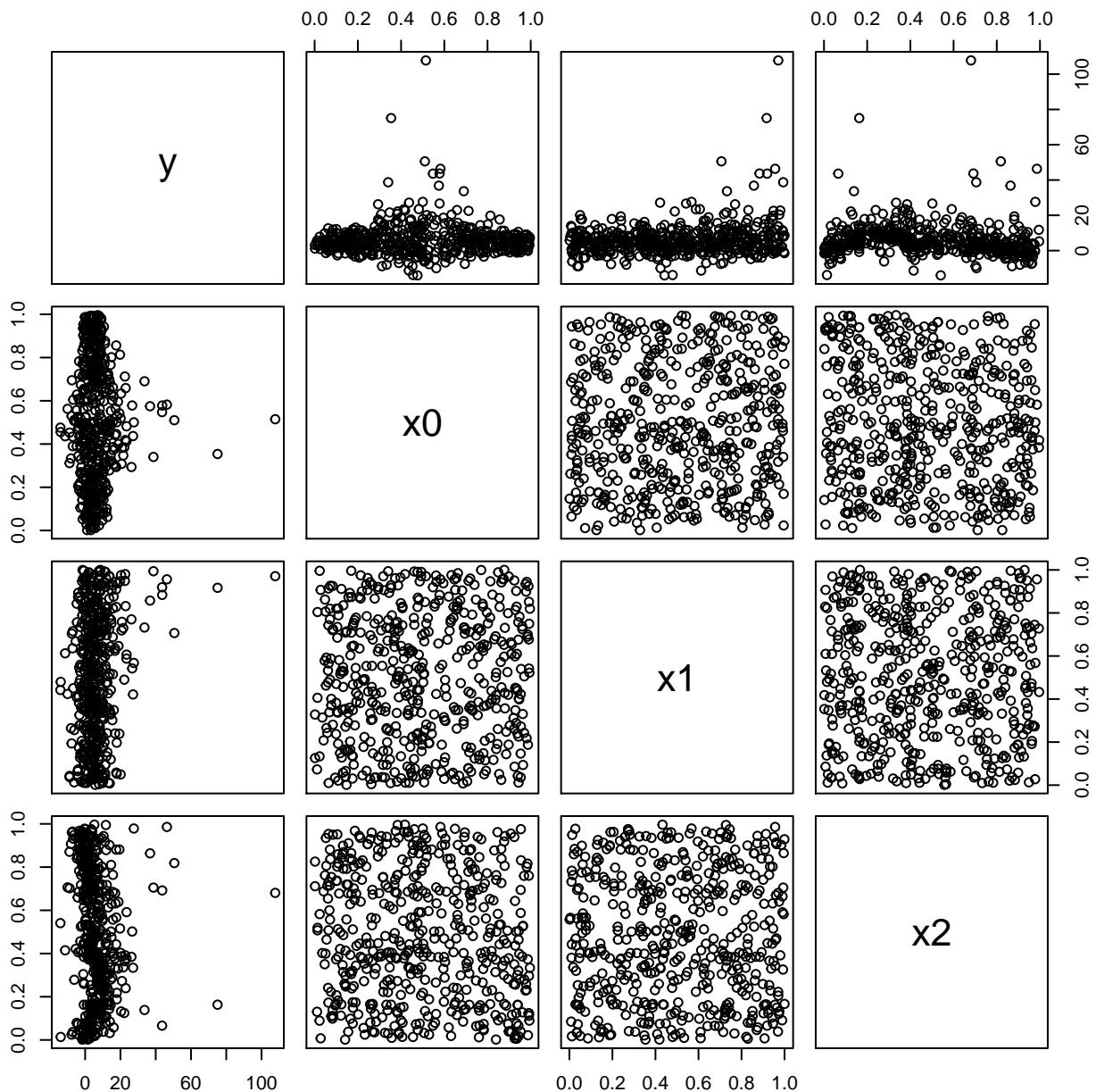


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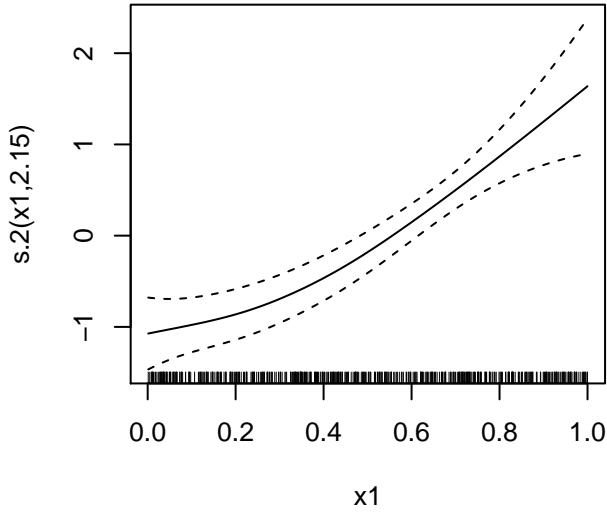
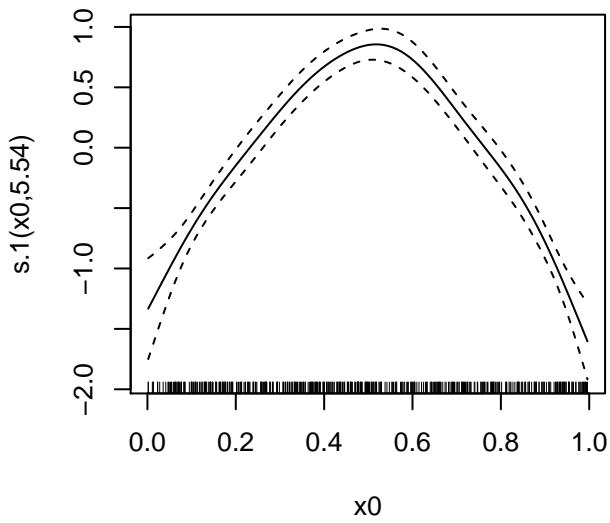
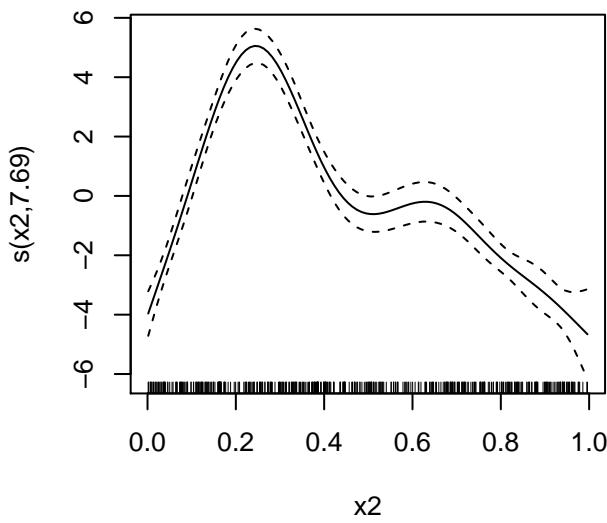




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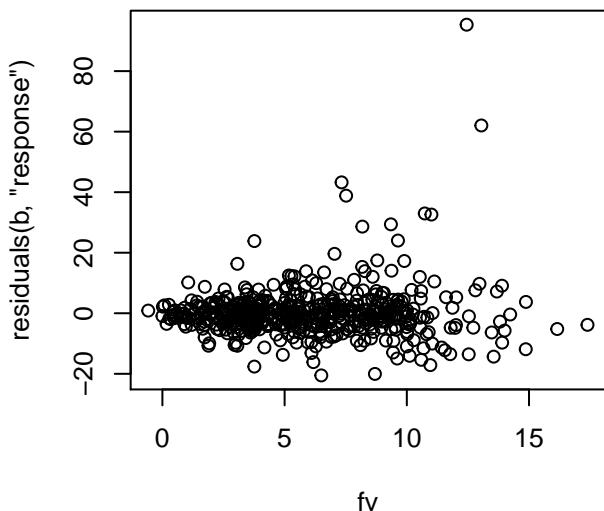
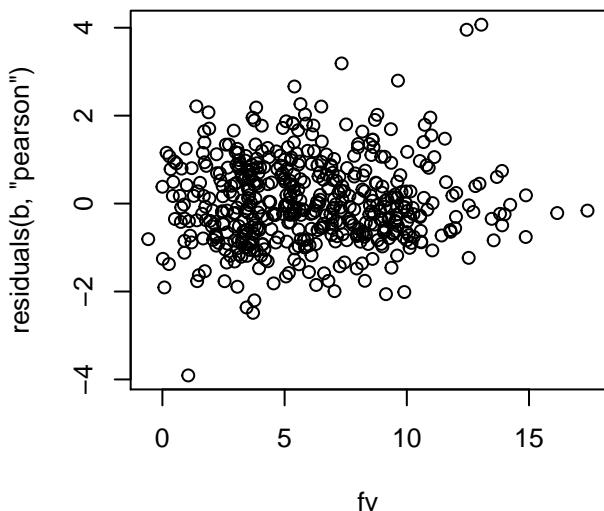
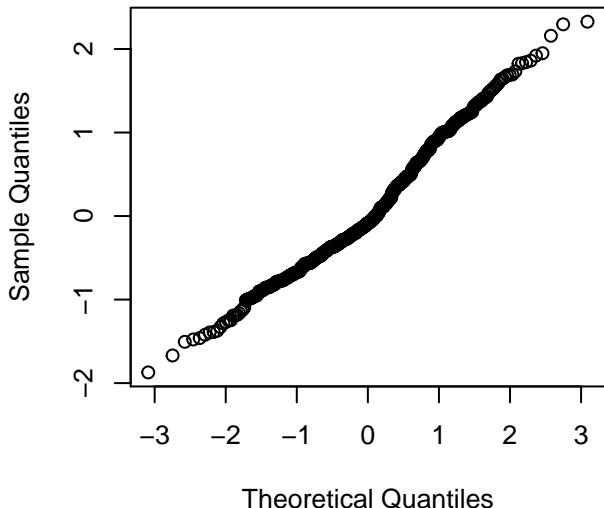
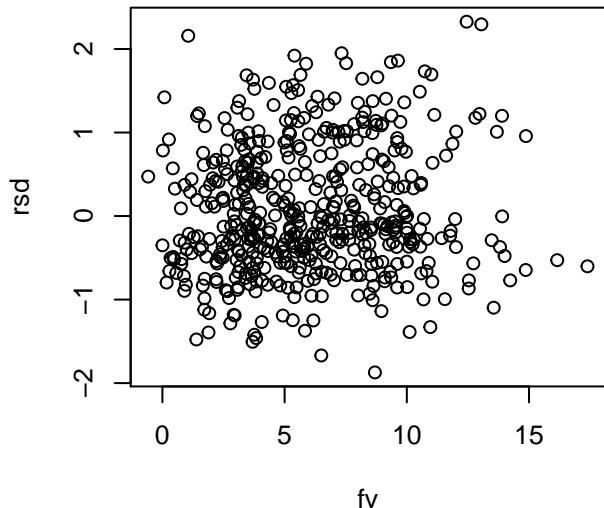


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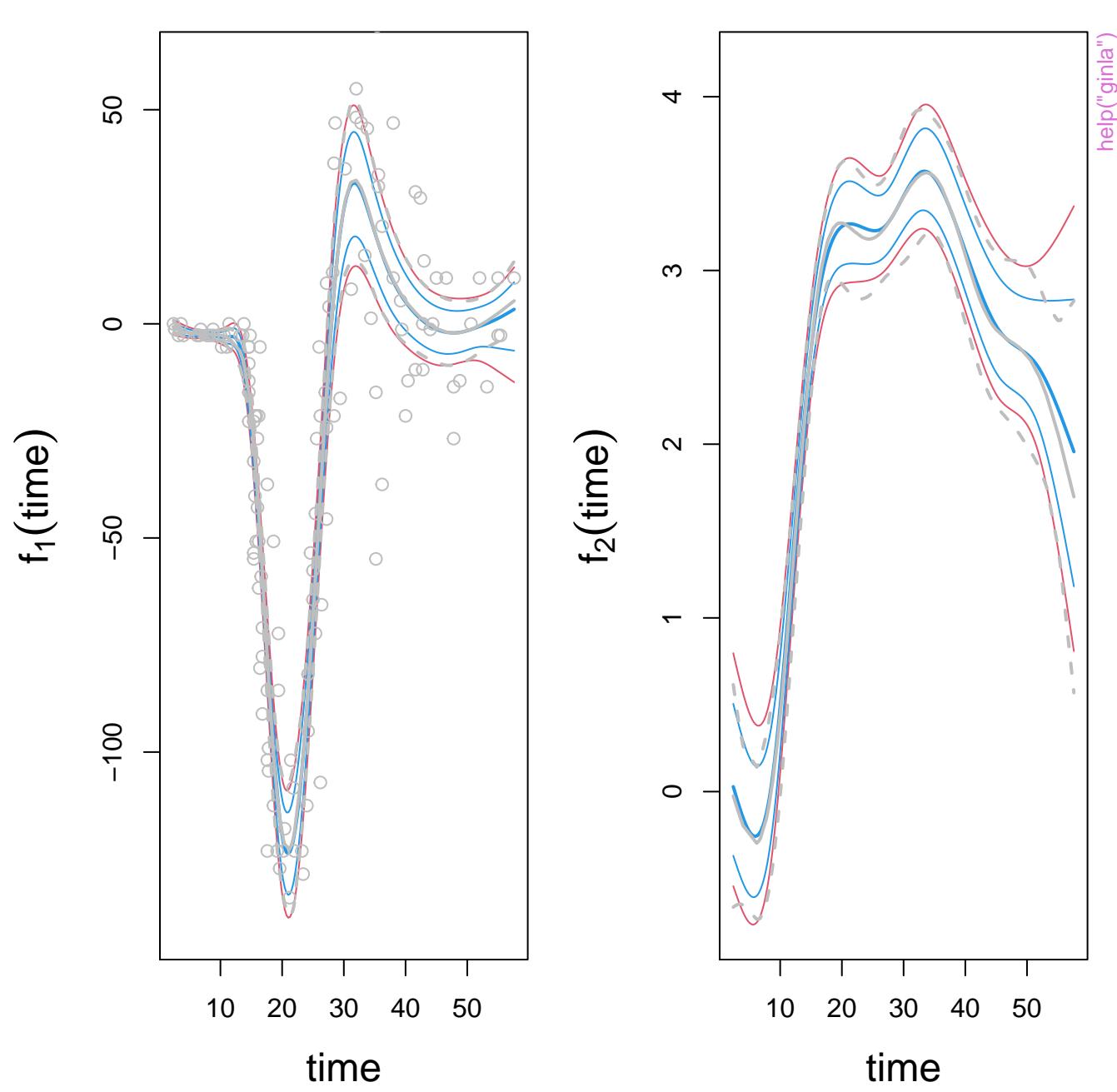


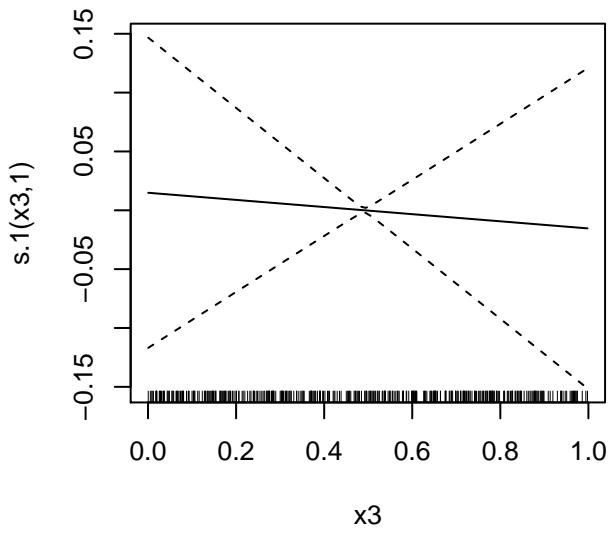
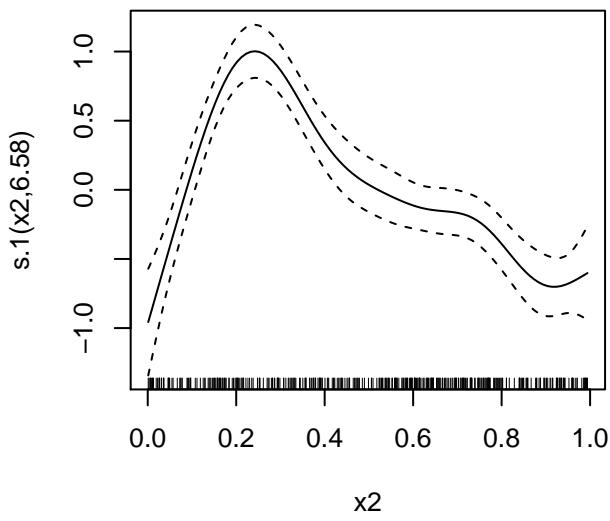
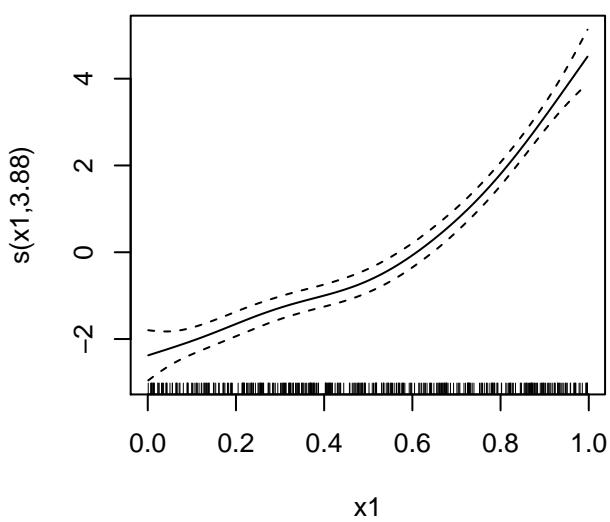
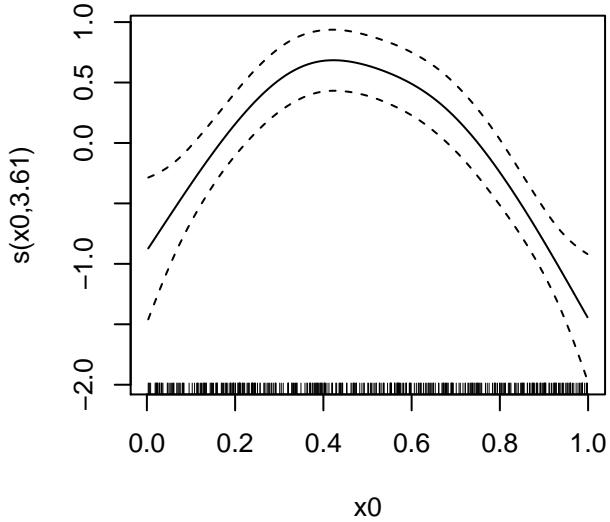
help("geviss")

## Normal Q-Q Plot



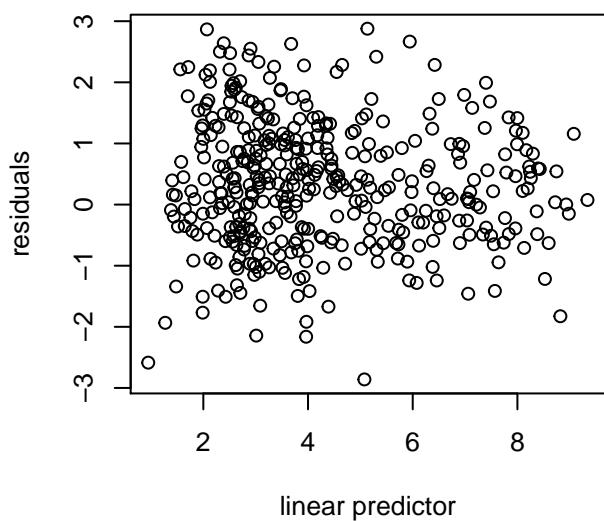
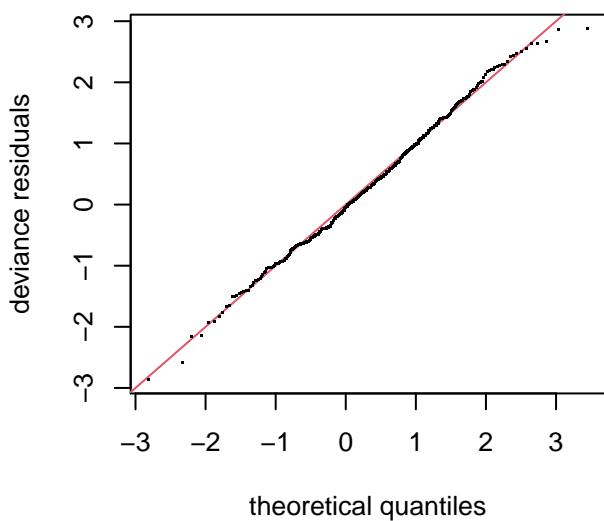
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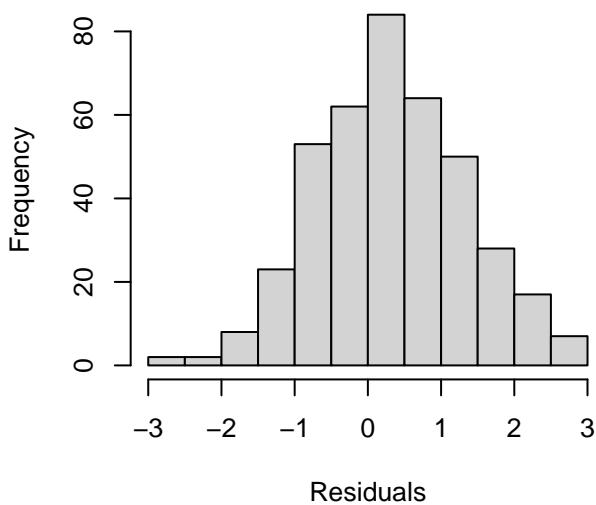


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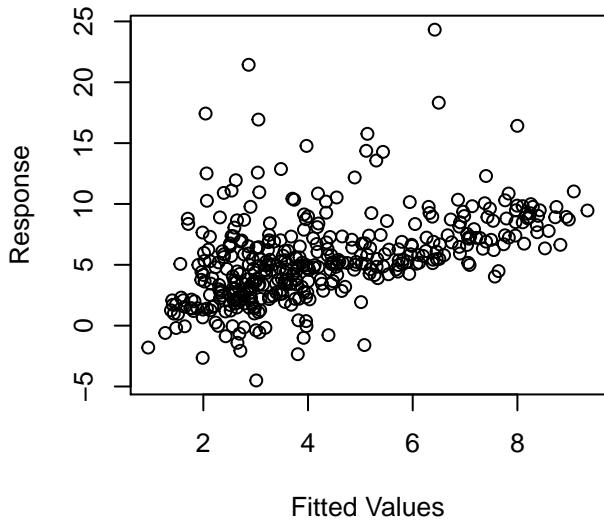
## Resids vs. linear pred.



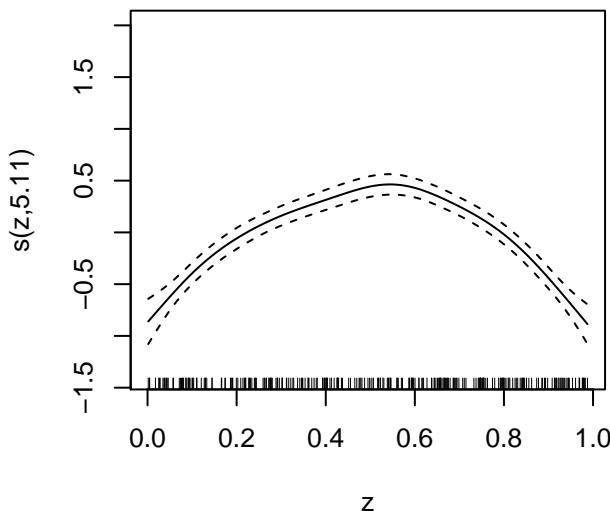
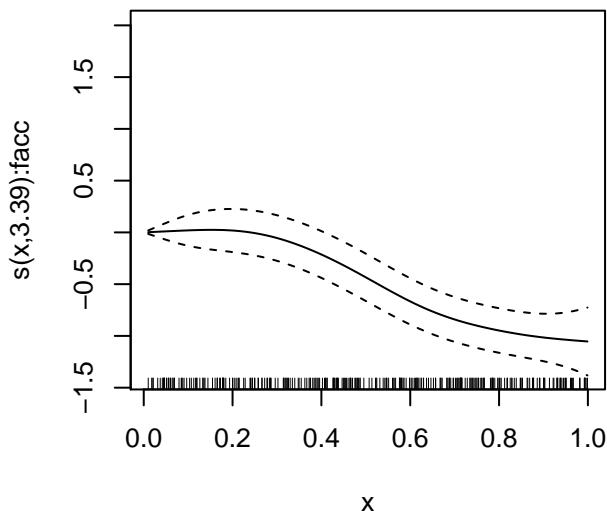
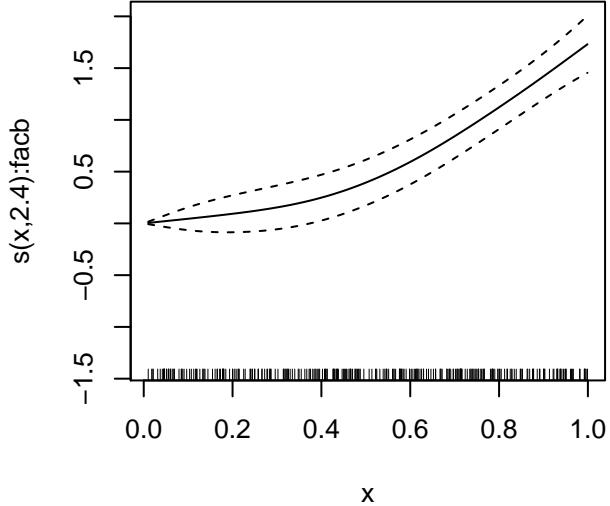
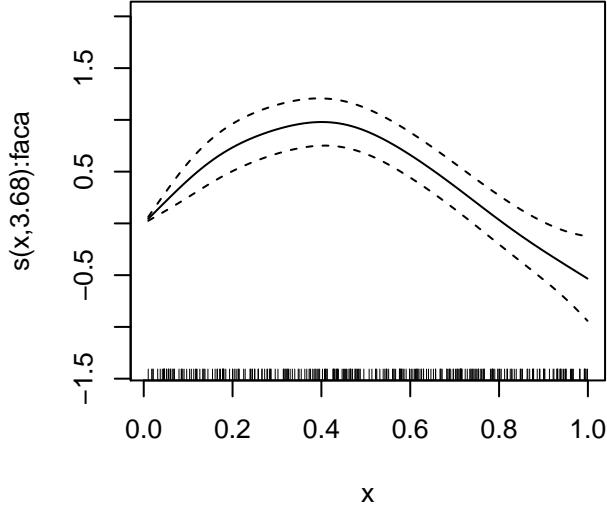
## Histogram of residuals



## Response vs. Fitted Values

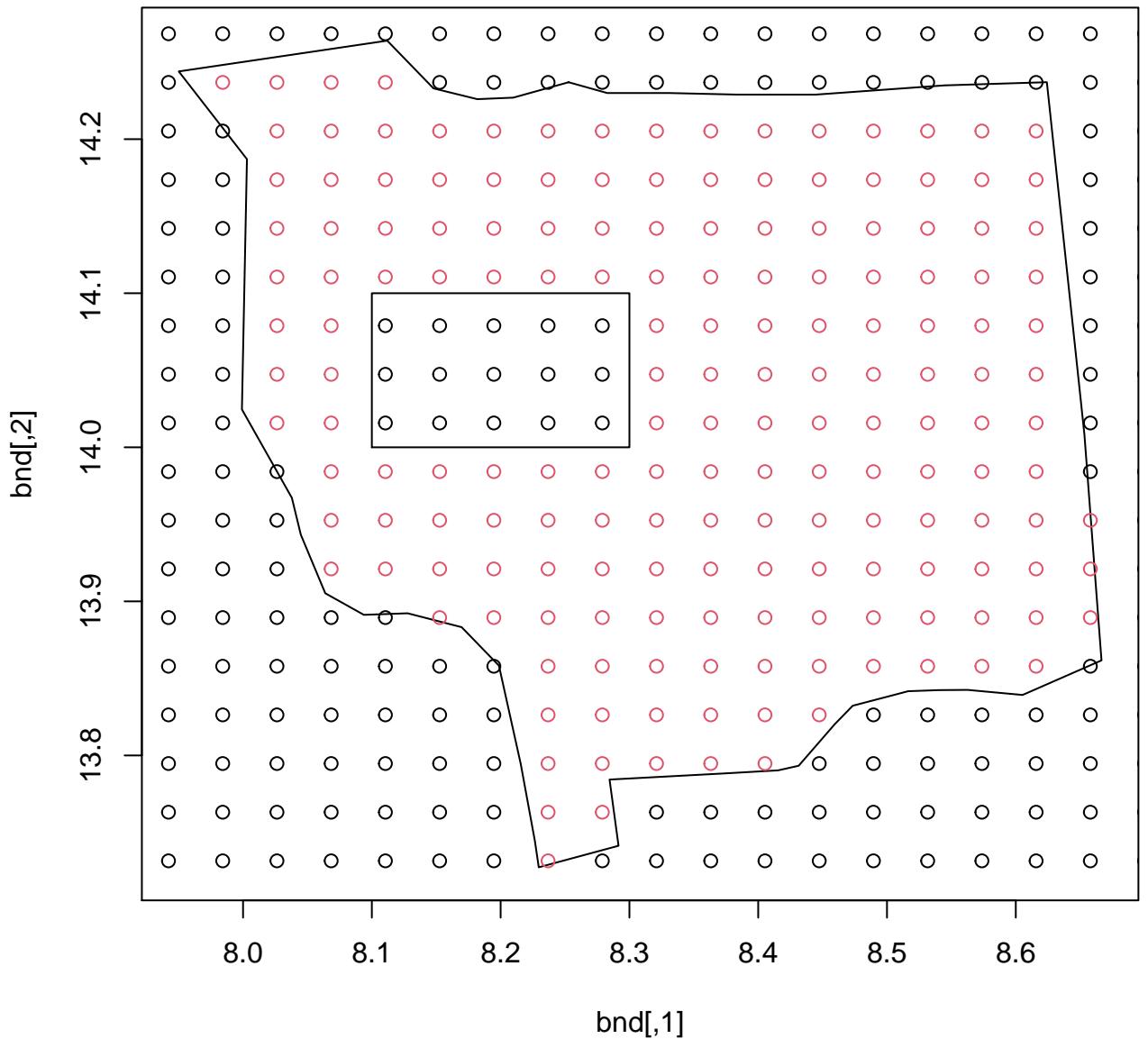


help("gumbels")

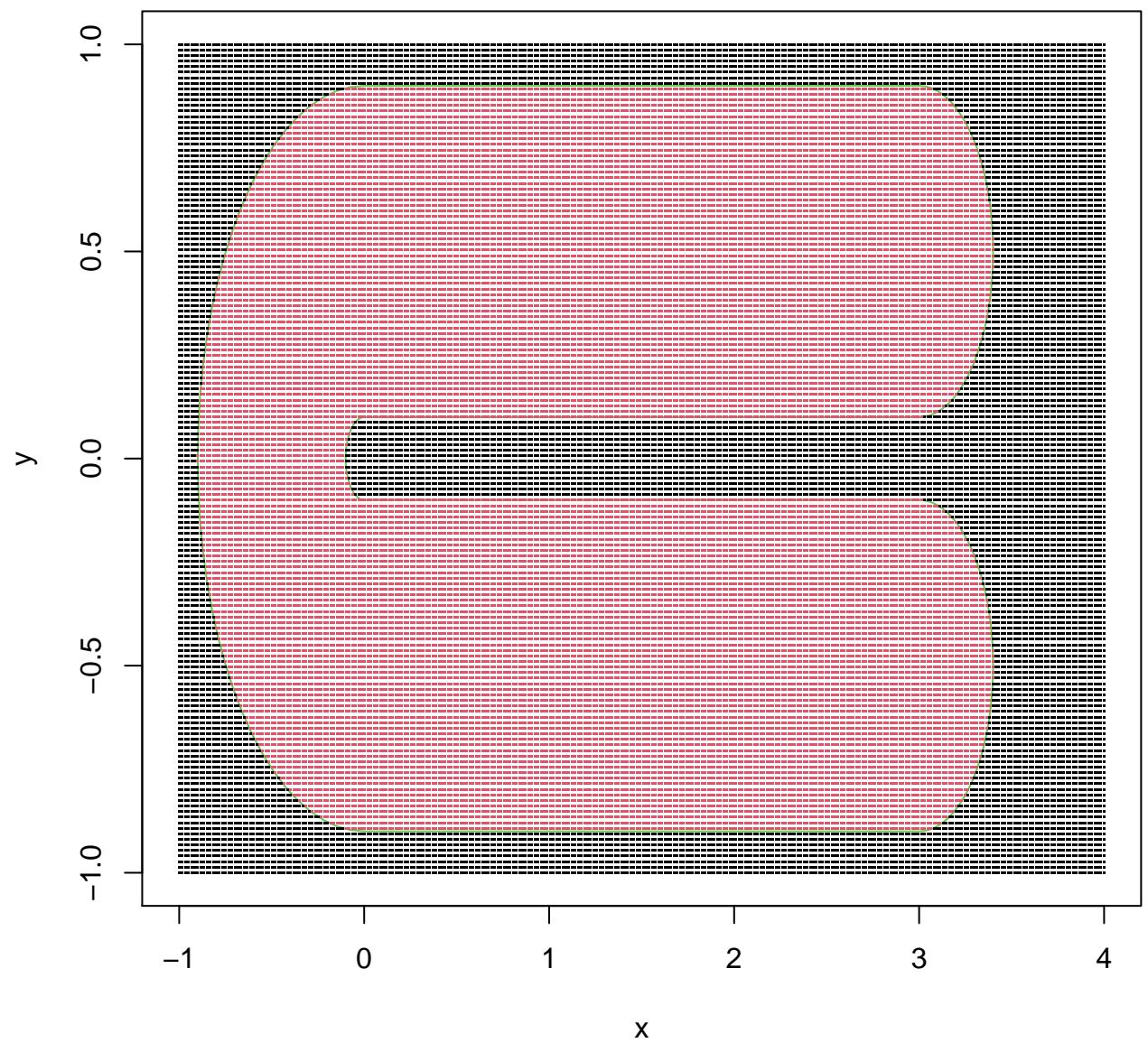


help("identifiability")

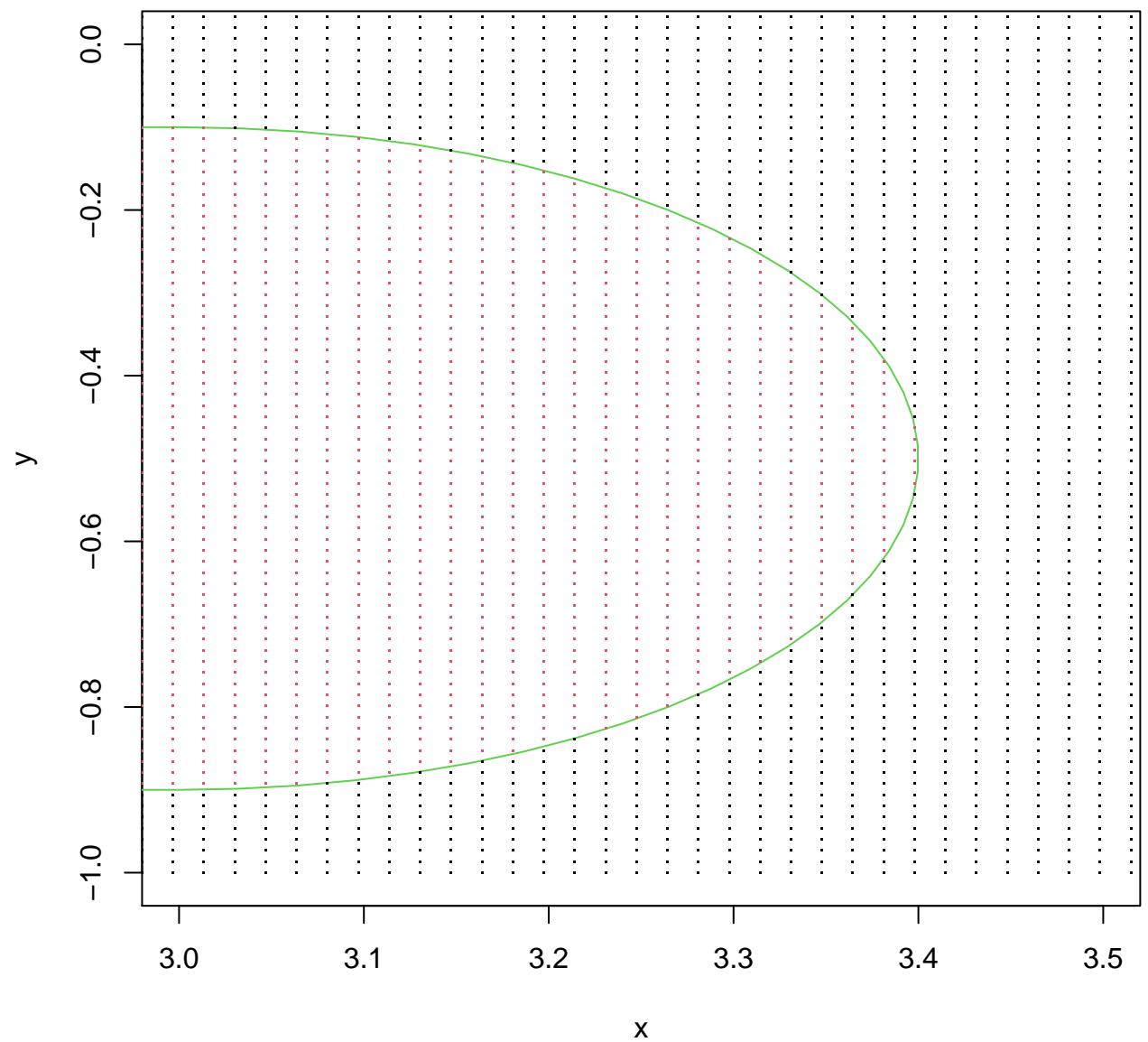
help("in.out")

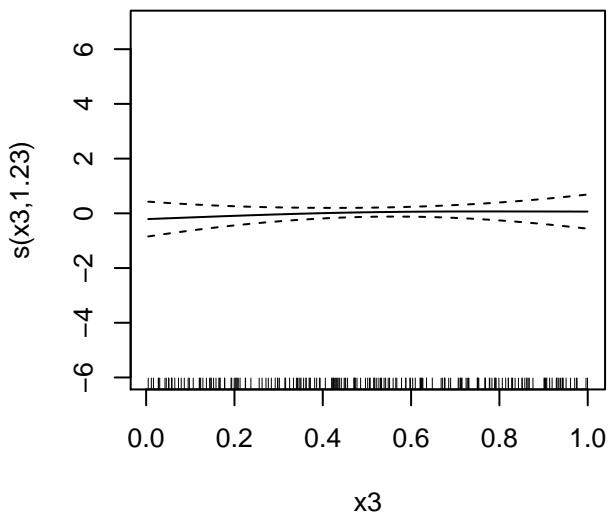
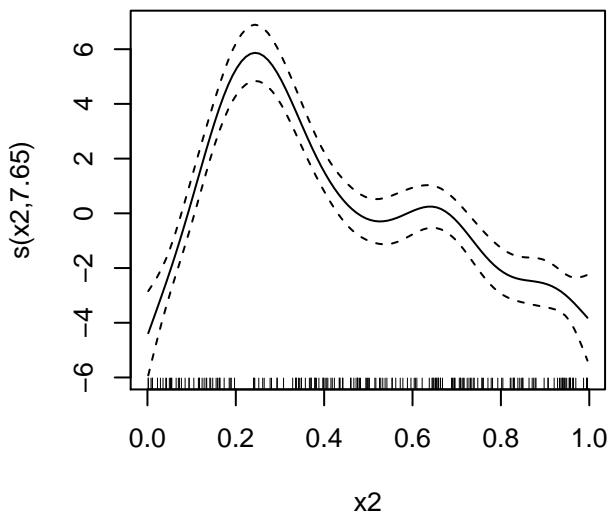
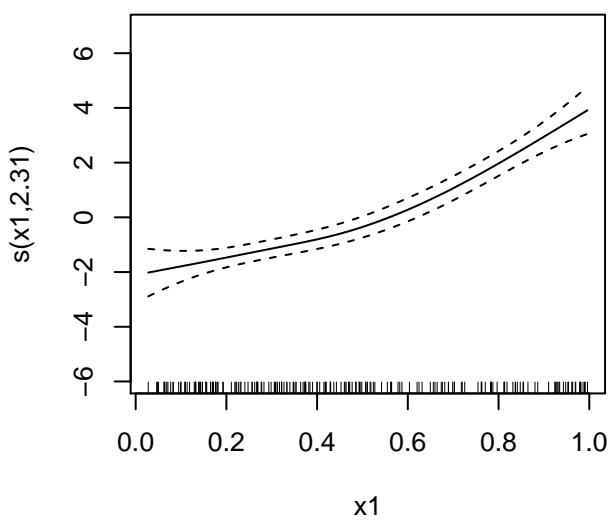
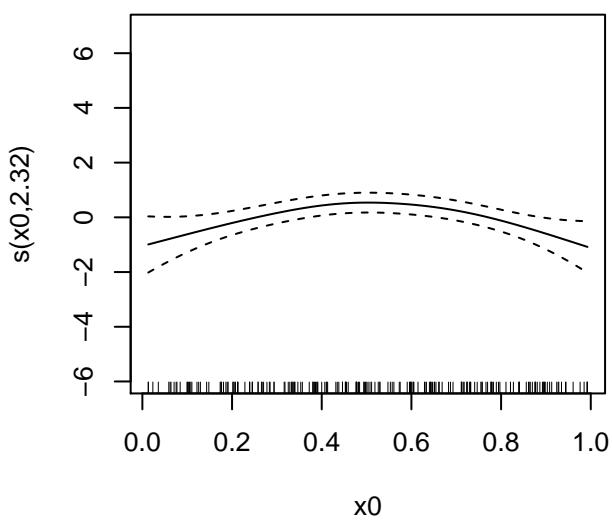


help("inSide")



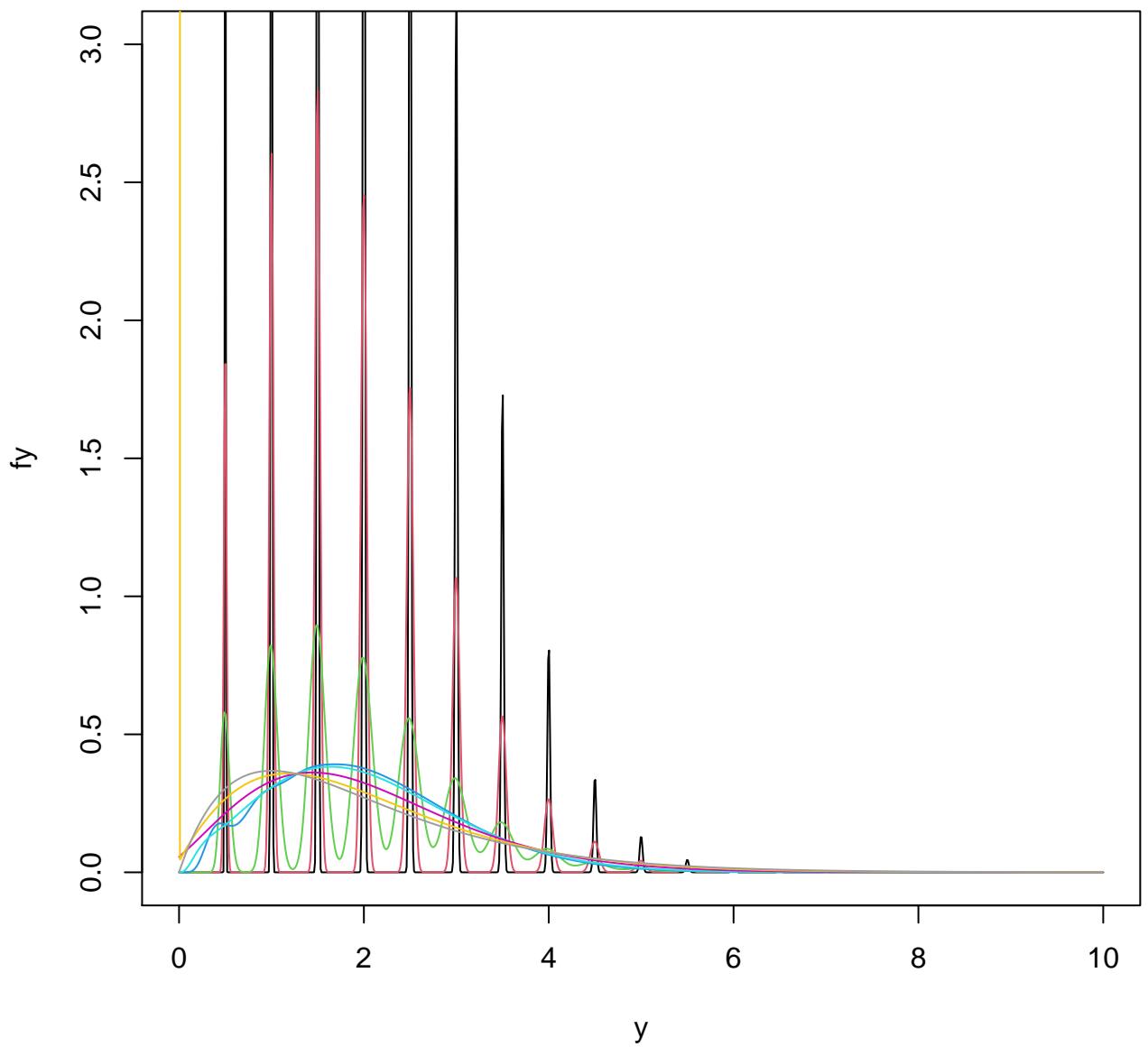
help("inSide")





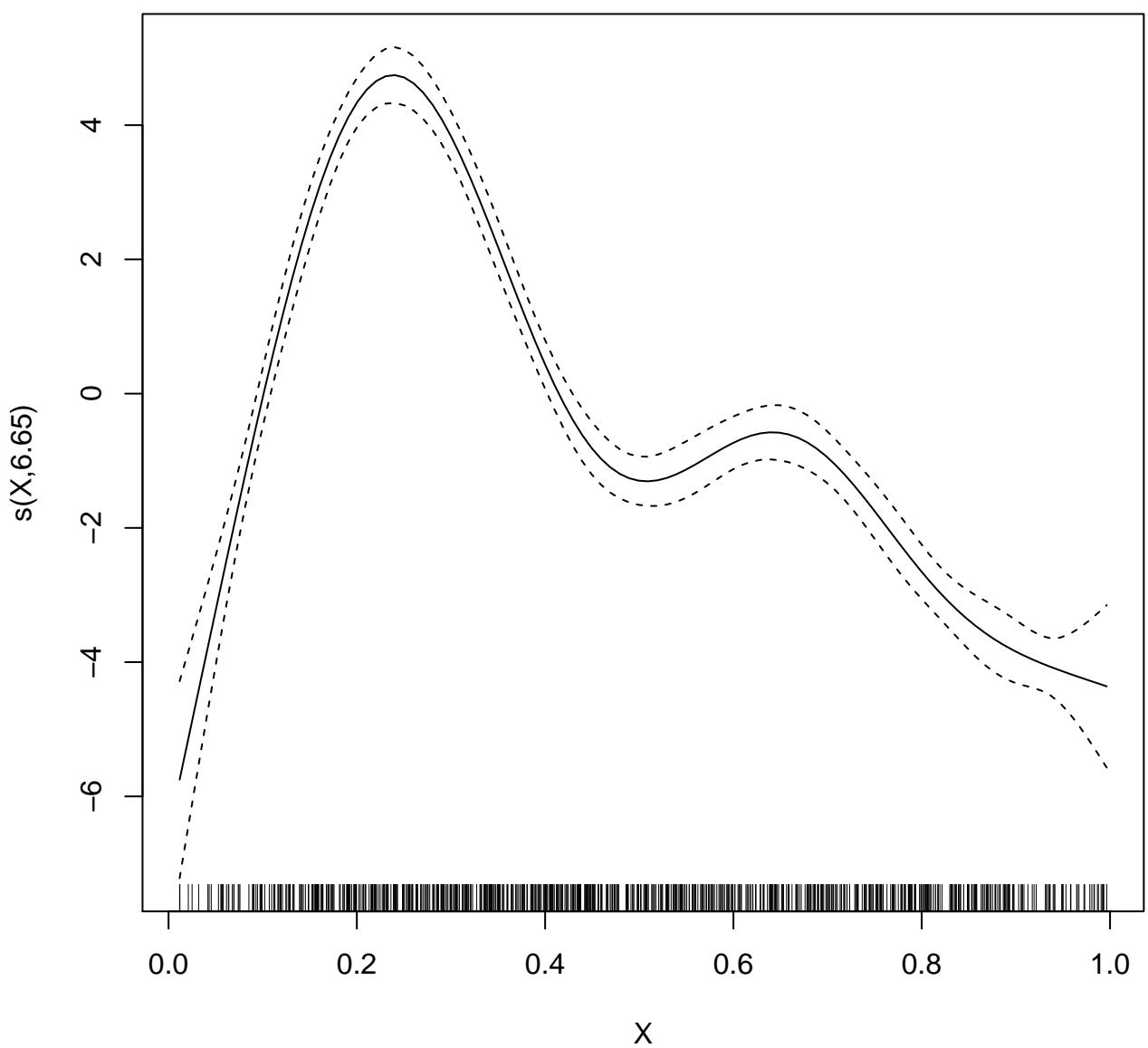
help("k.check")

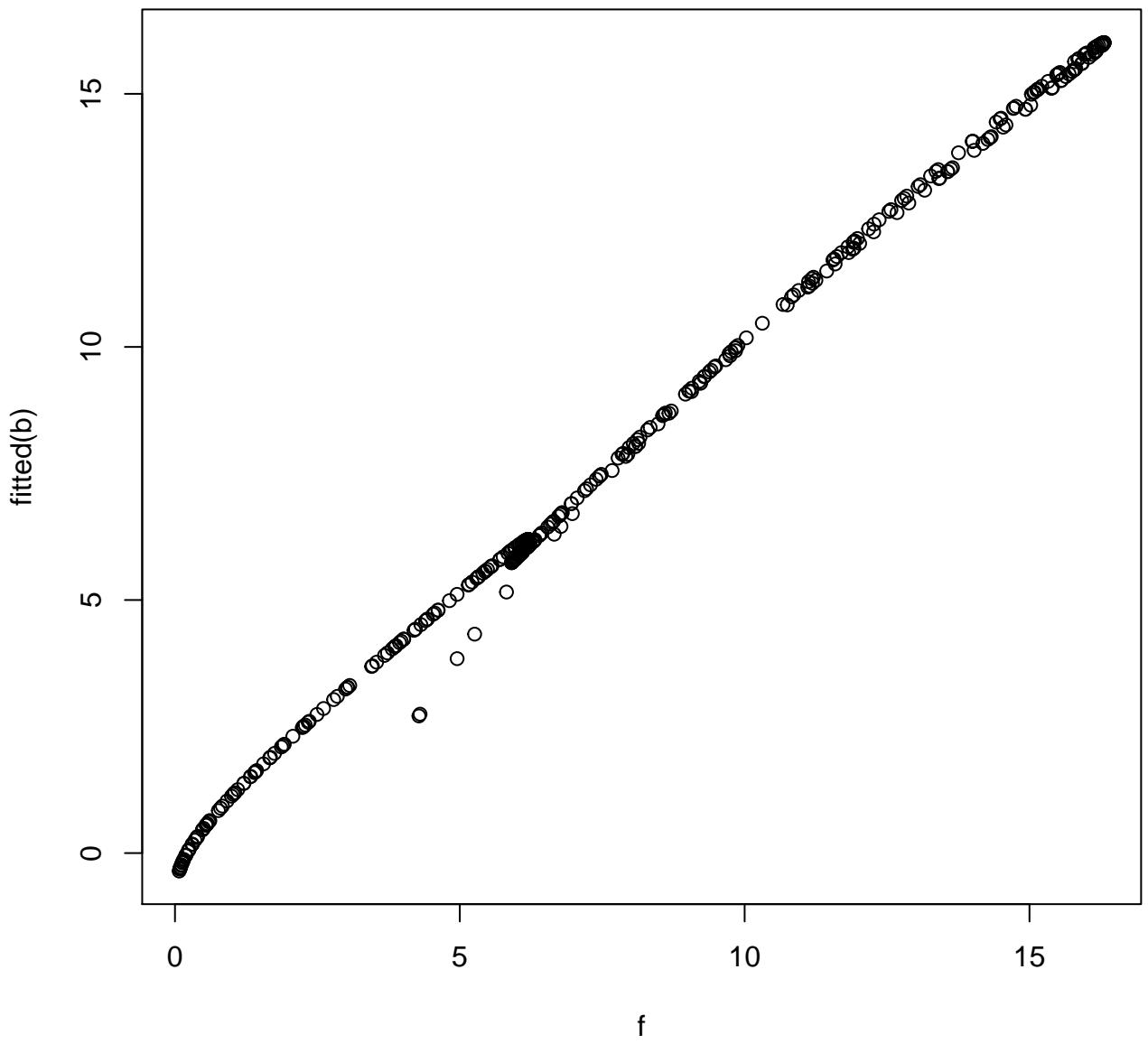
## Tweedie density as p changes



help("ldTweedie")

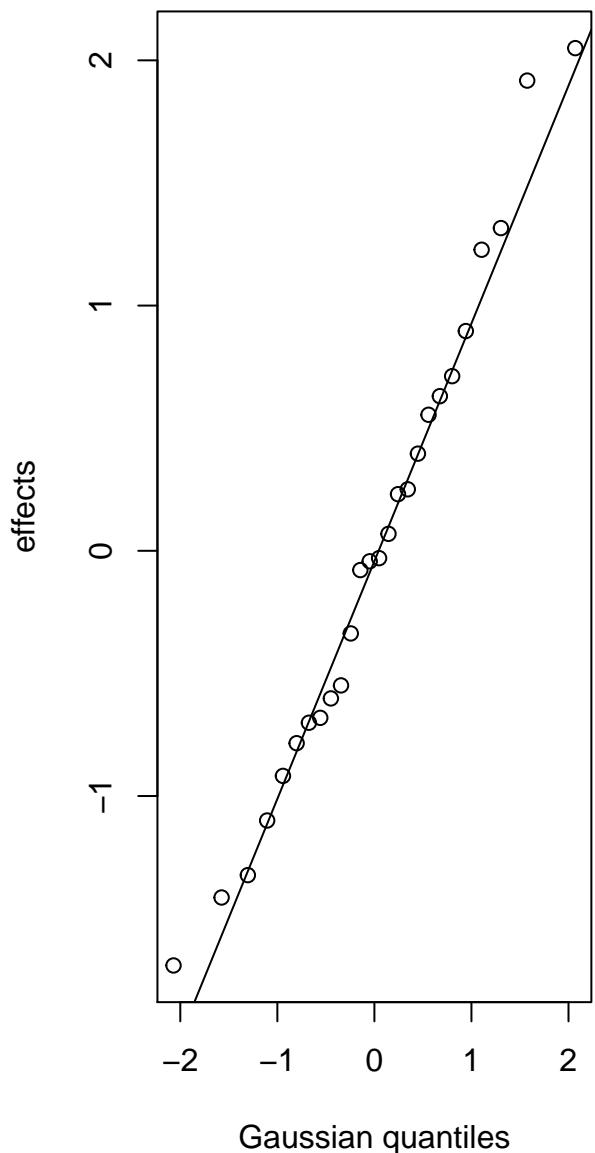
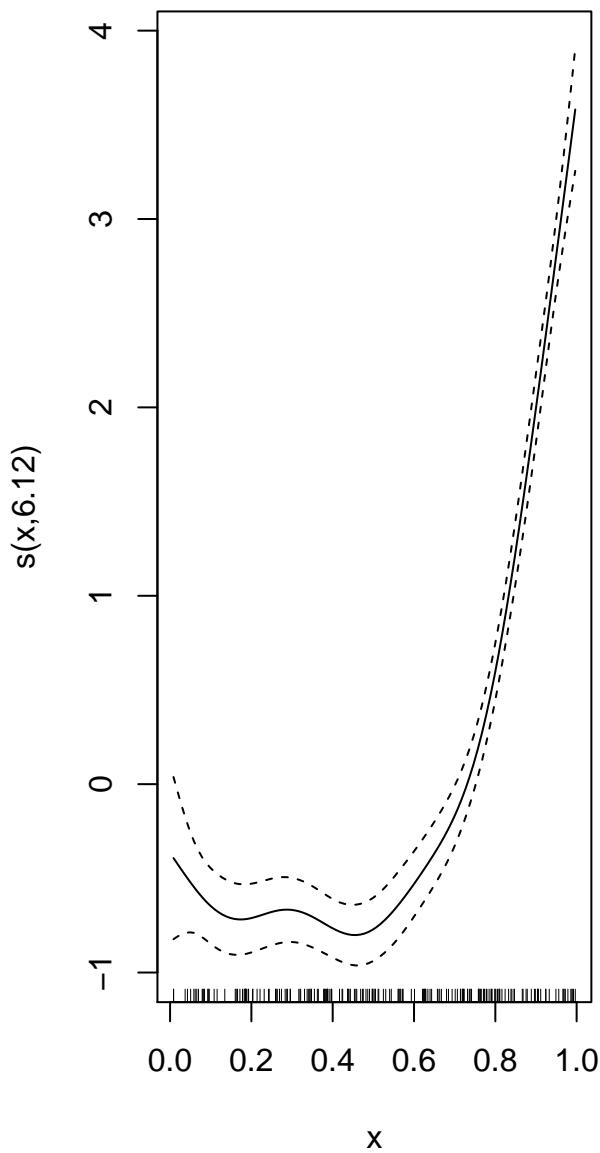
help("linear.functional.terms")



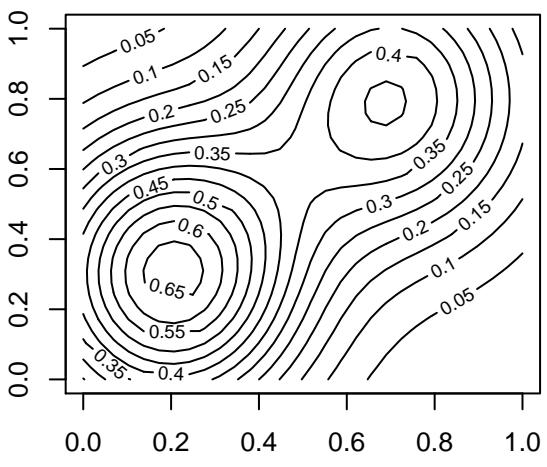


help("linear.functional.terms")

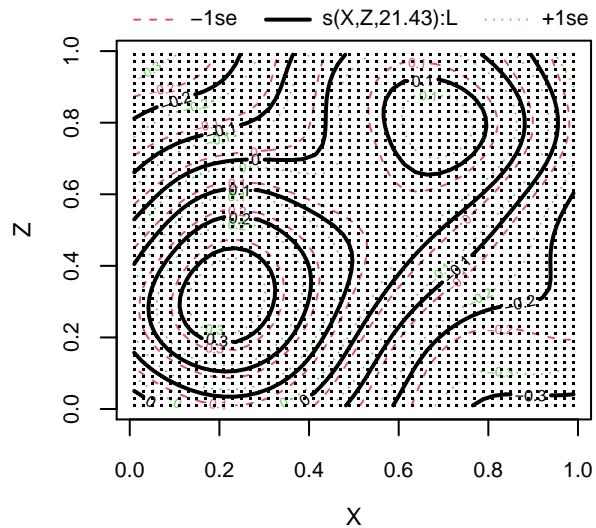
**s(fac,24.54):L**



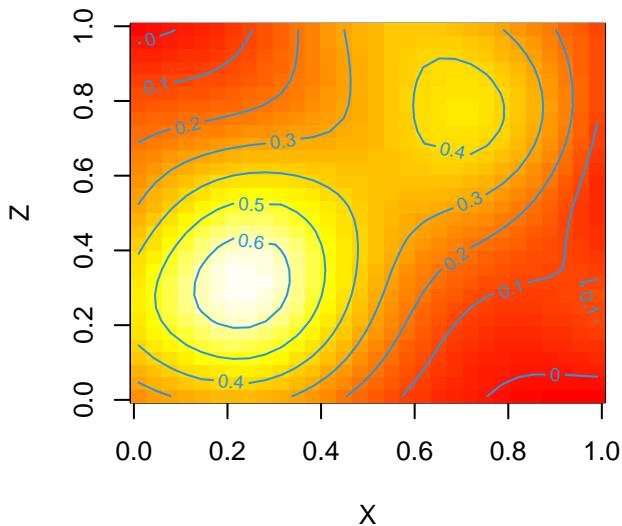
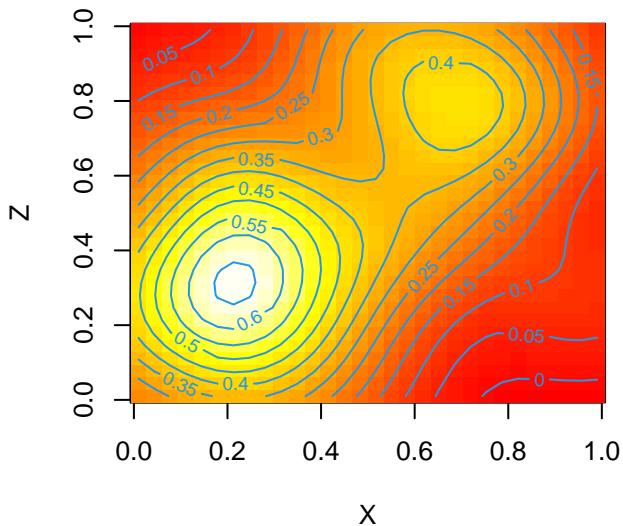
help("linear.functional.terms")



**linear predictor**



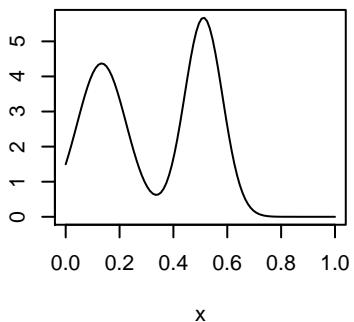
**linear predictor**



`help("linear.functional.terms")`

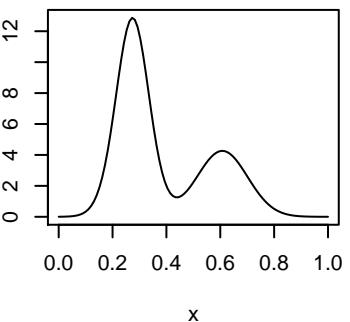
help("linear.functional.terms")

ff(x)



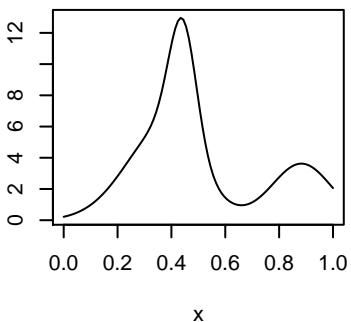
$x$

ff(x)



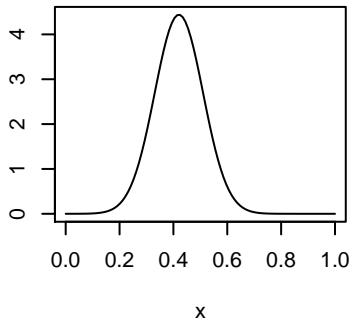
$x$

ff(x)



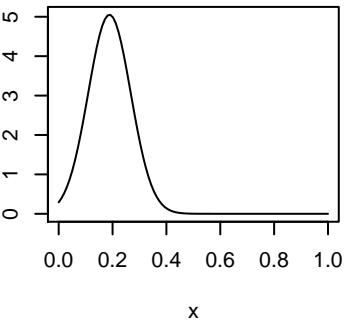
$x$

ff(x)



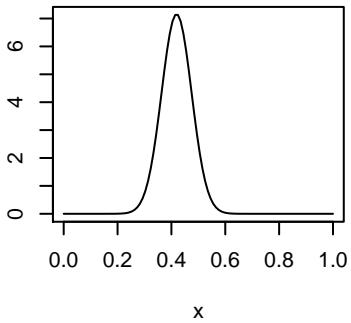
$x$

ff(x)



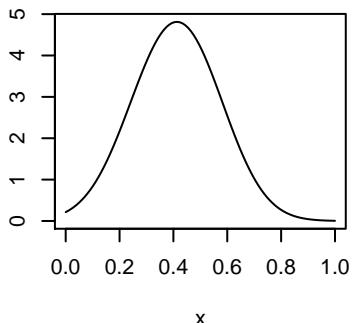
$x$

ff(x)



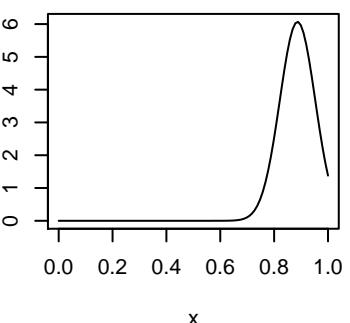
$x$

ff(x)



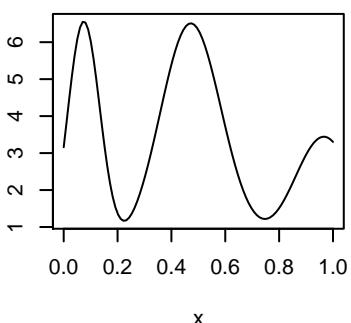
$x$

ff(x)



$x$

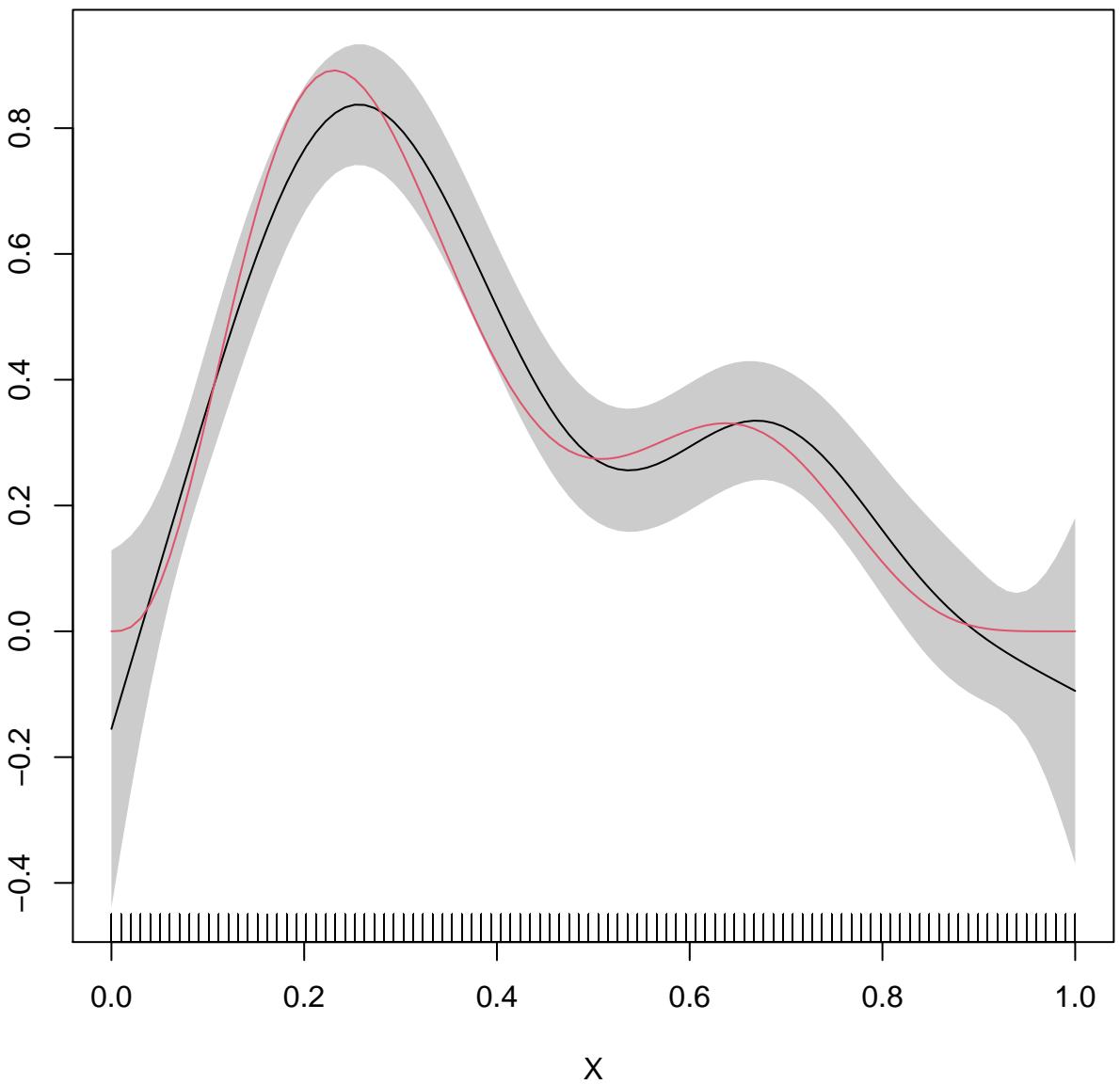
ff(x)



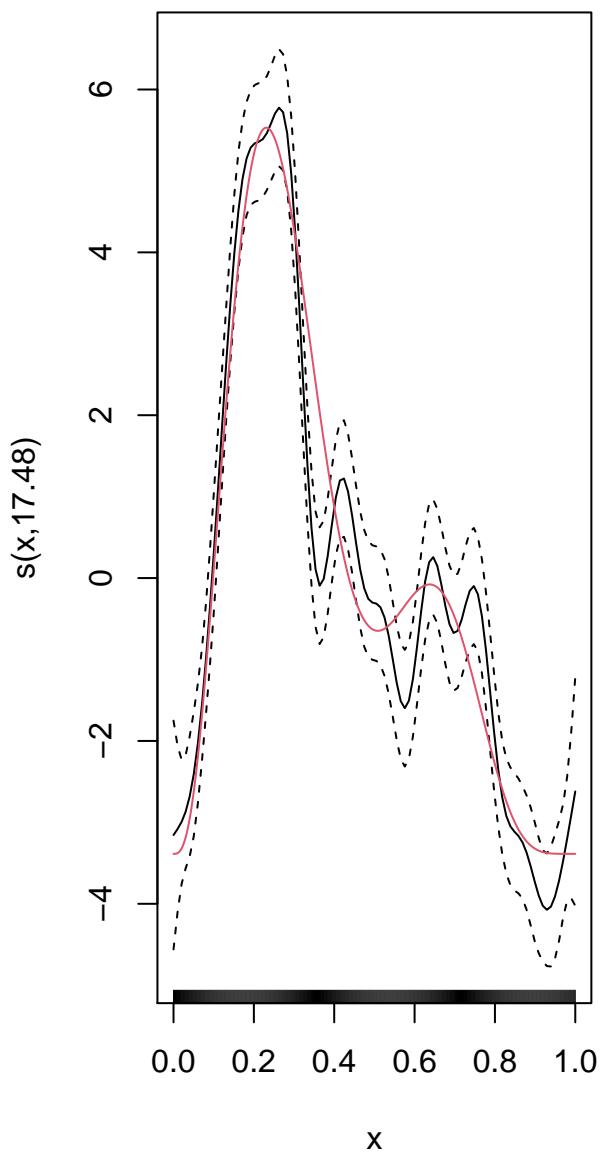
$x$

help("linear.functional.terms")

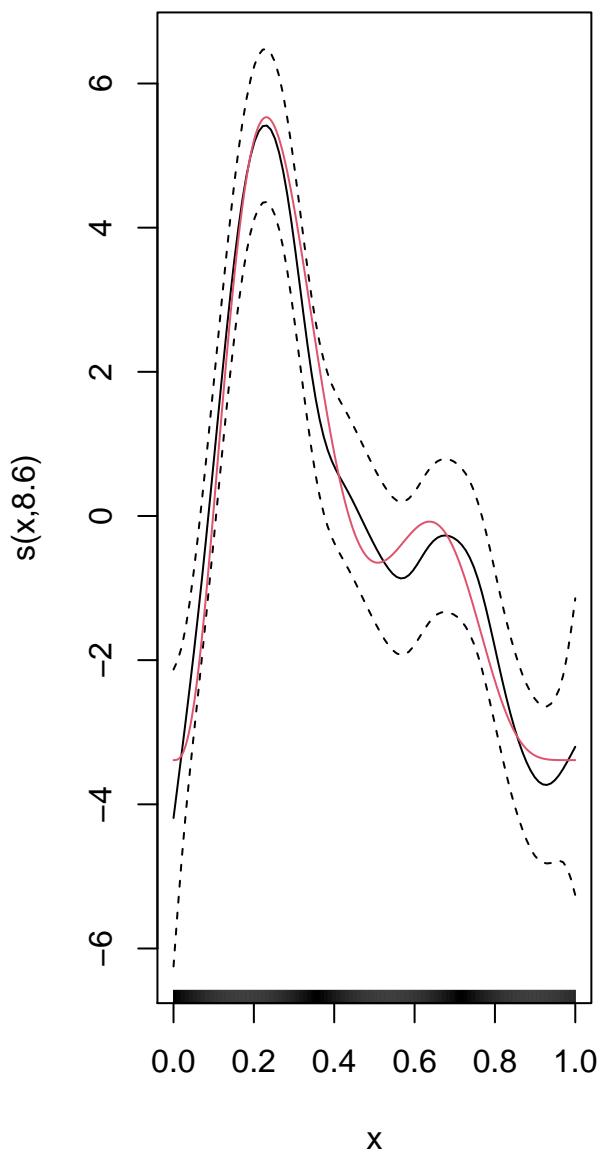
$s(X, 6.59):L$



## Ignoring correlation

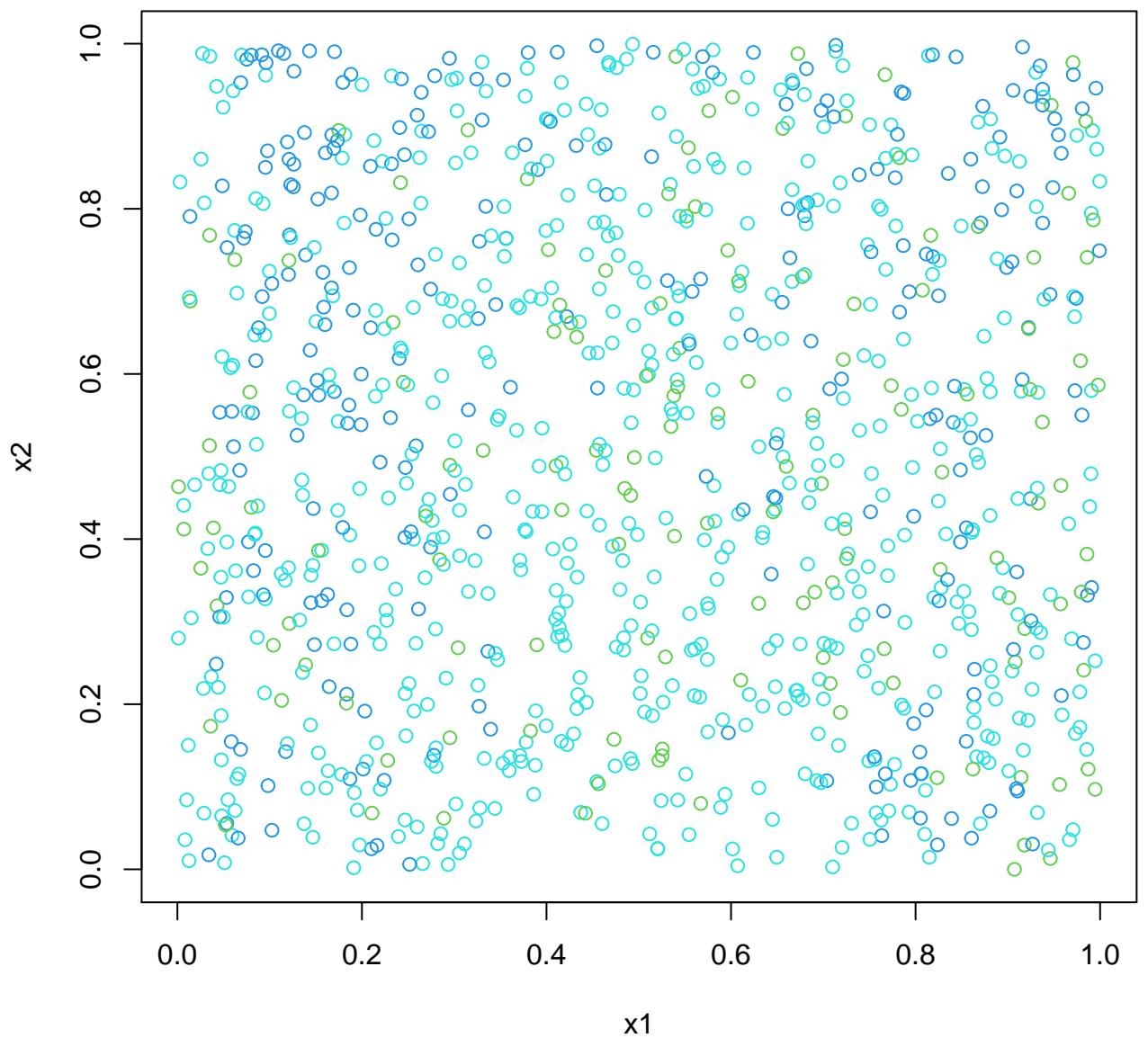


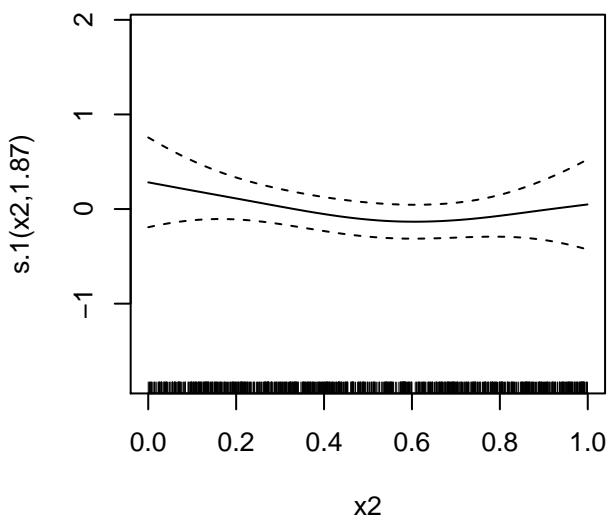
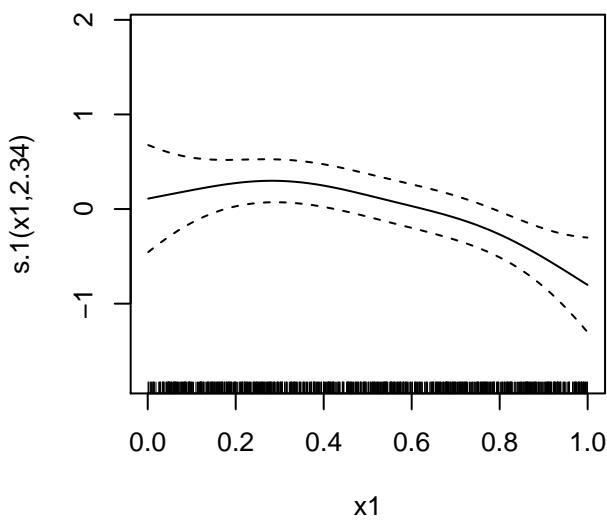
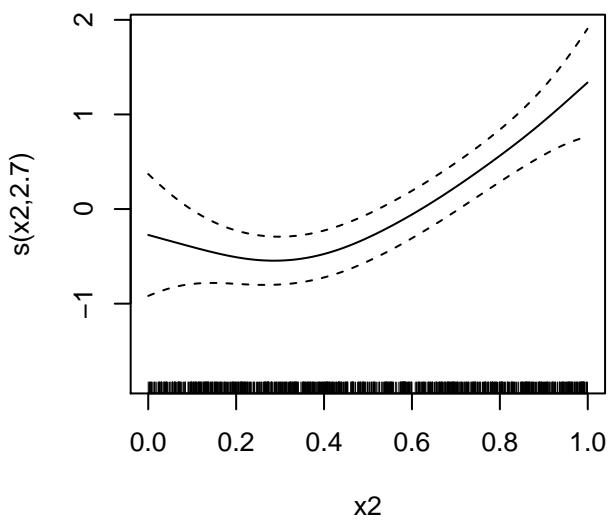
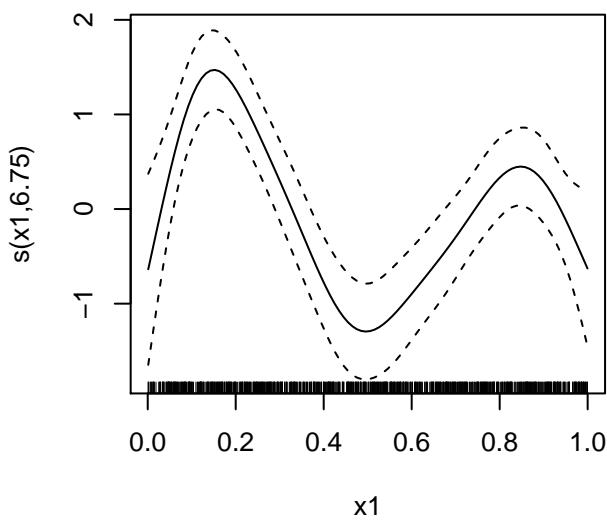
## Known correlation



help("magic")

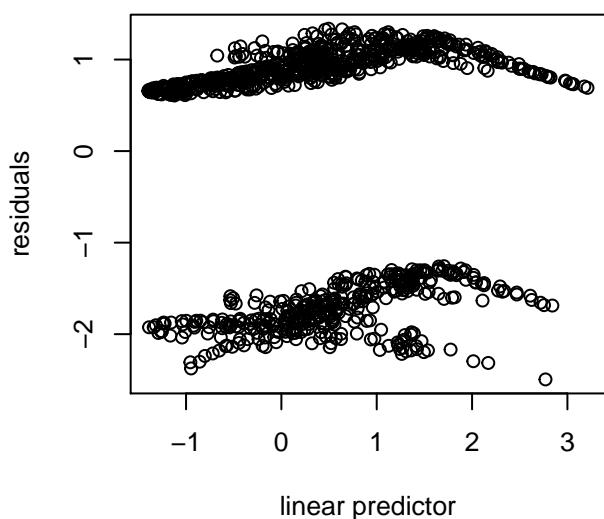
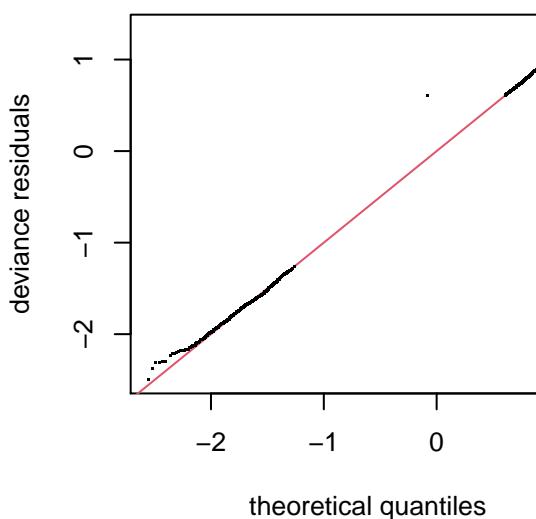
help("multinom")



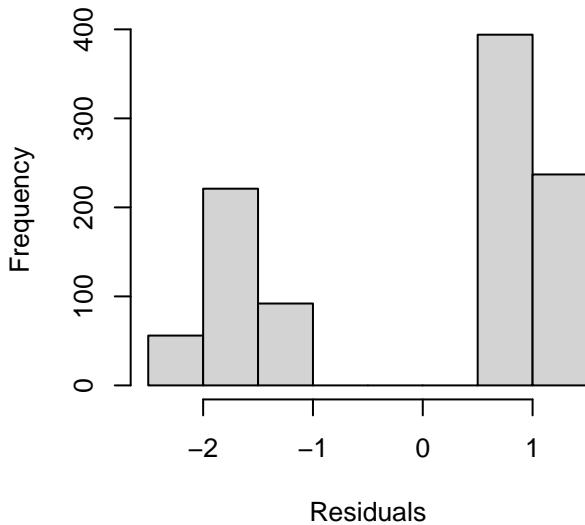


help("multinom")

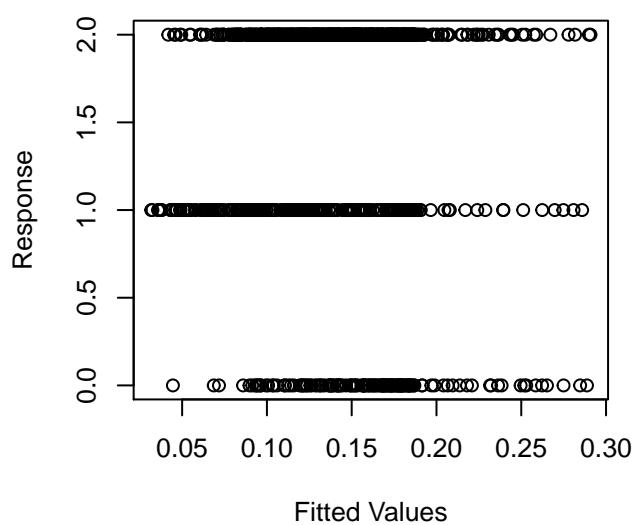
### Resids vs. linear pred.



### Histogram of residuals

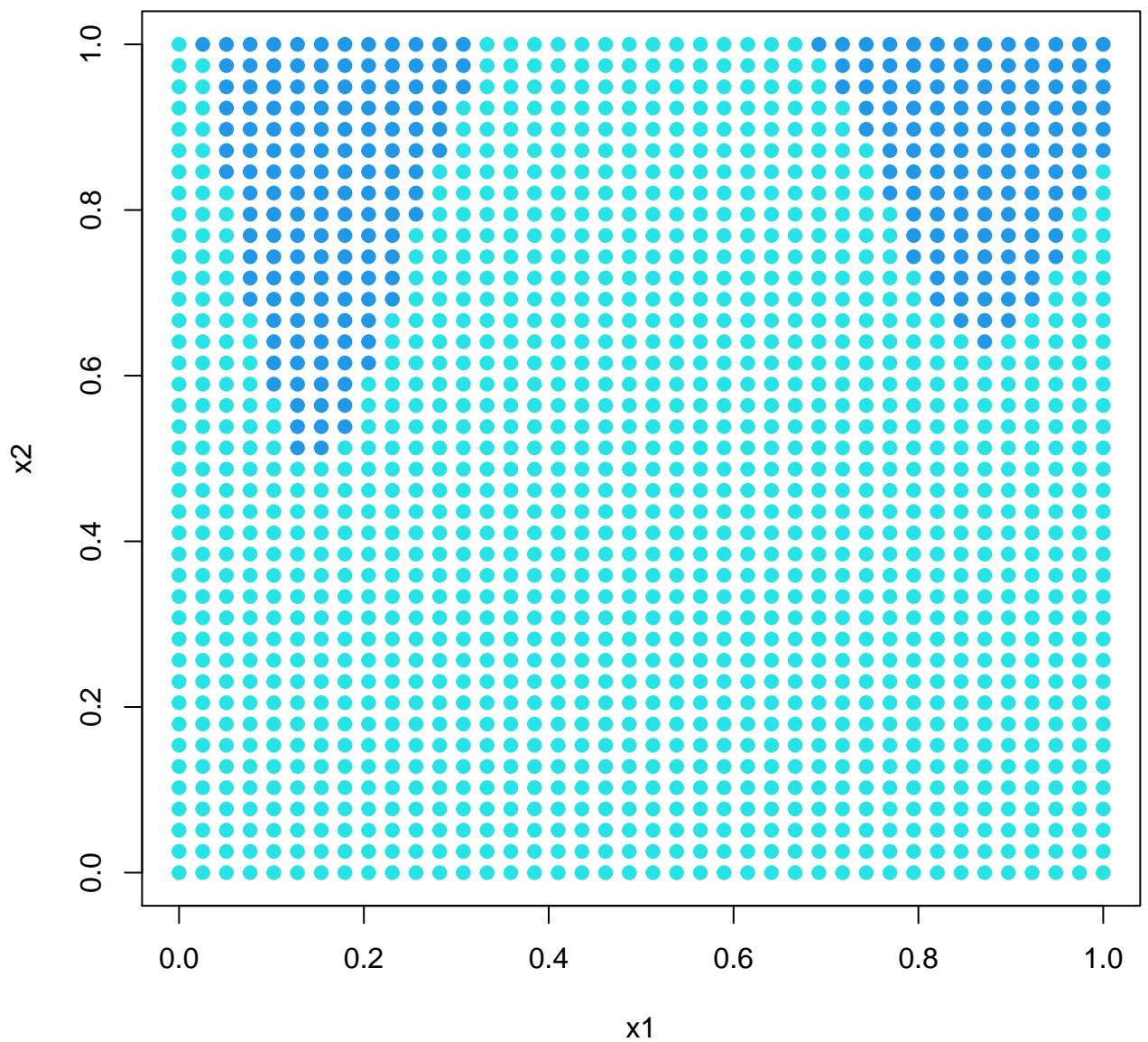


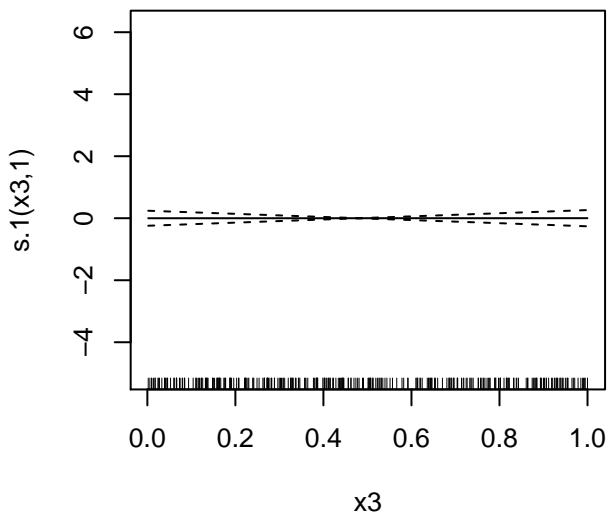
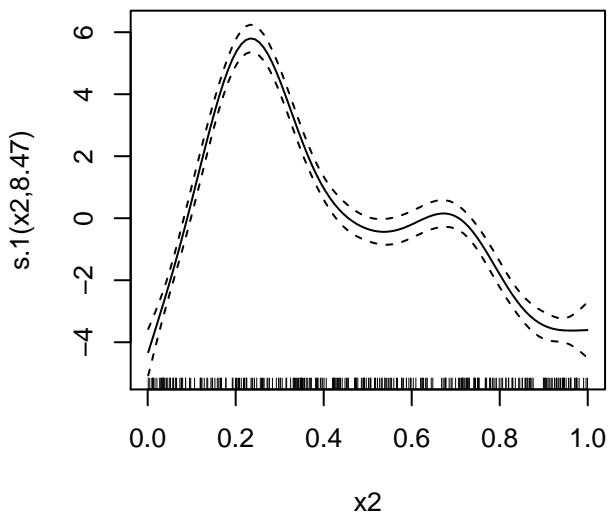
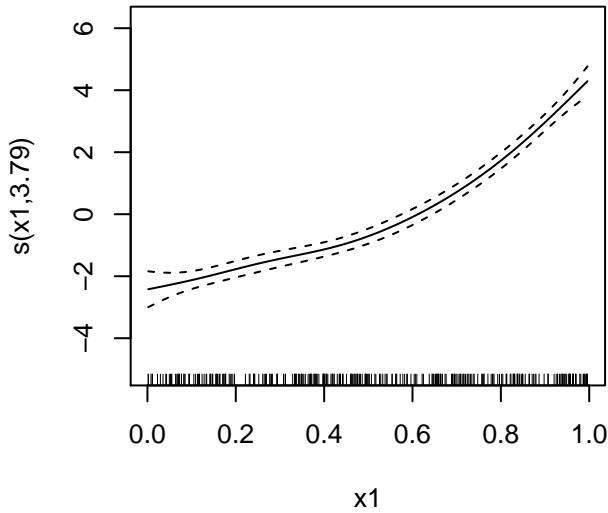
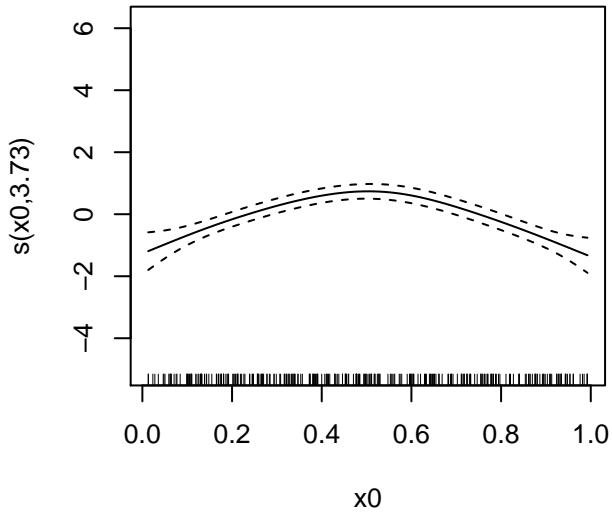
### Response vs. Fitted Values



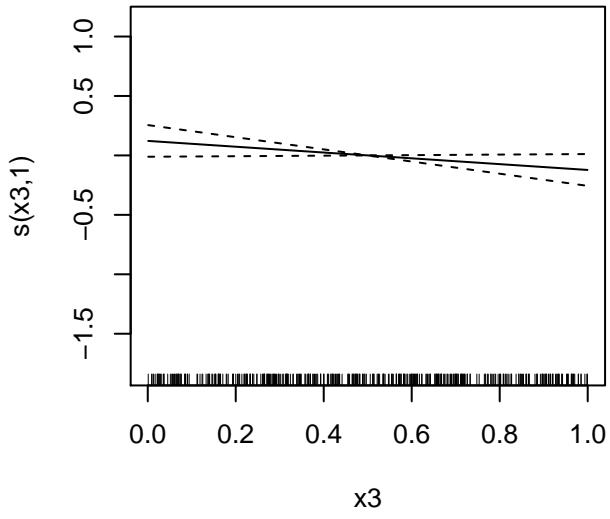
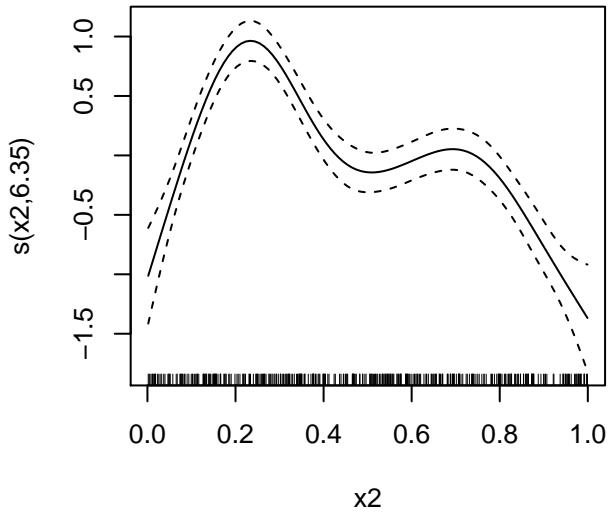
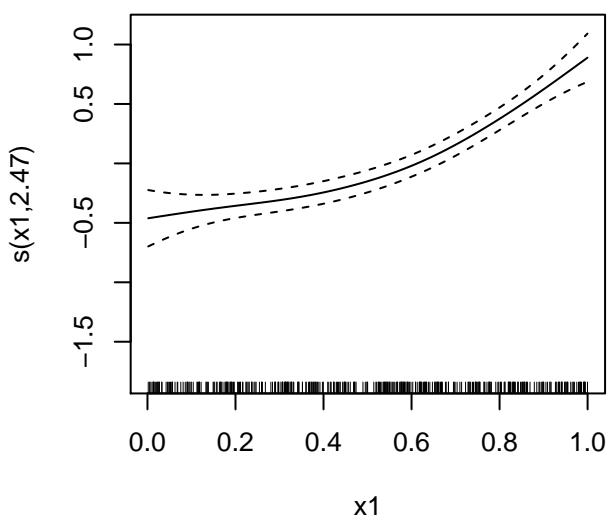
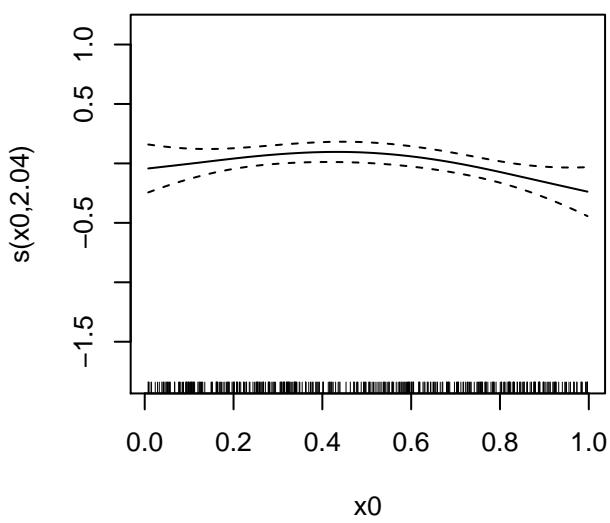
help("multinom")

help("multinom")



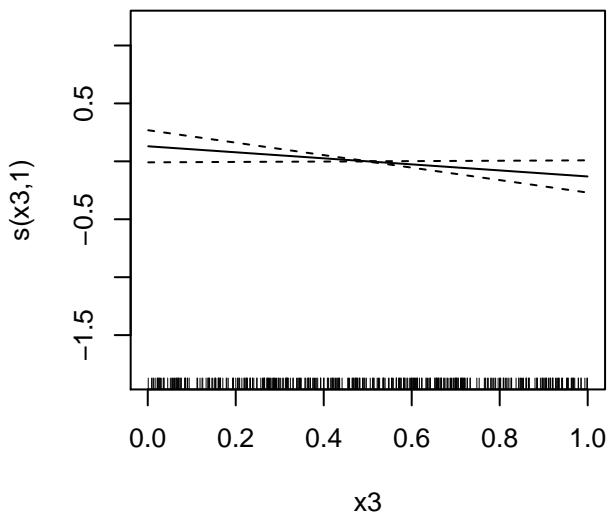
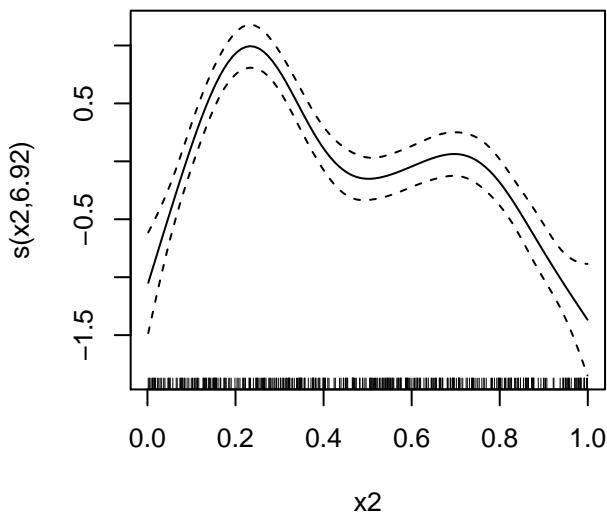
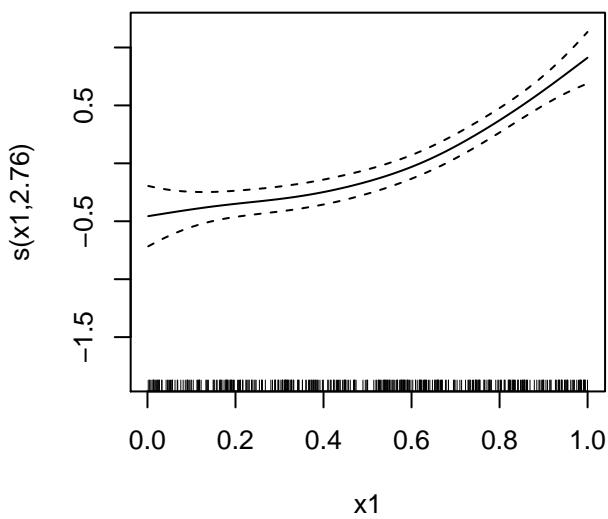
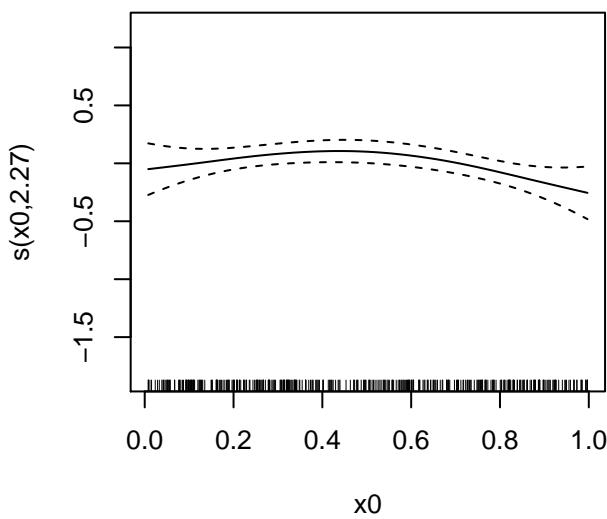


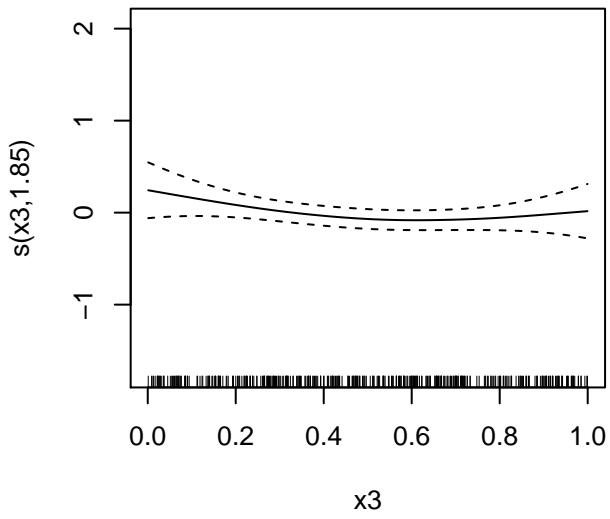
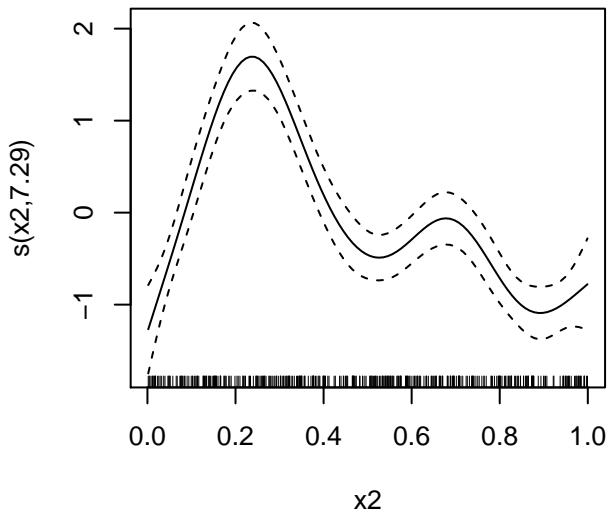
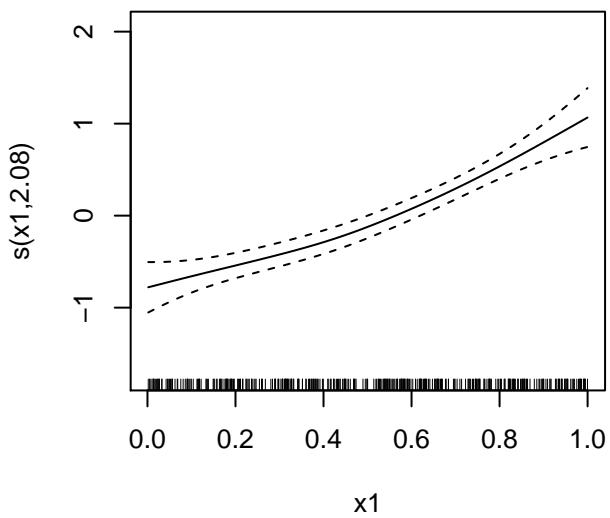
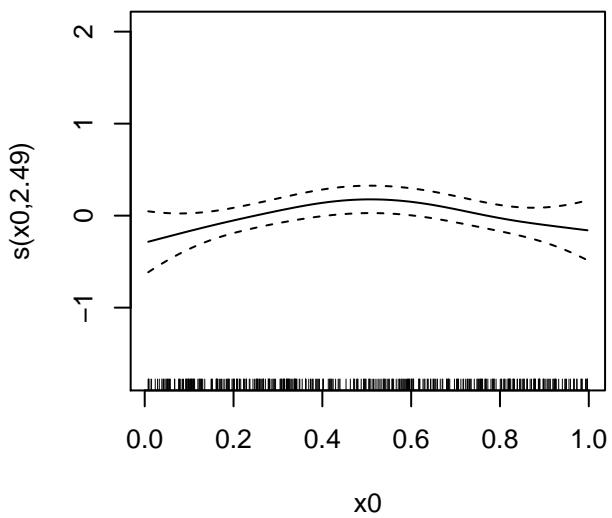
help("mvn")



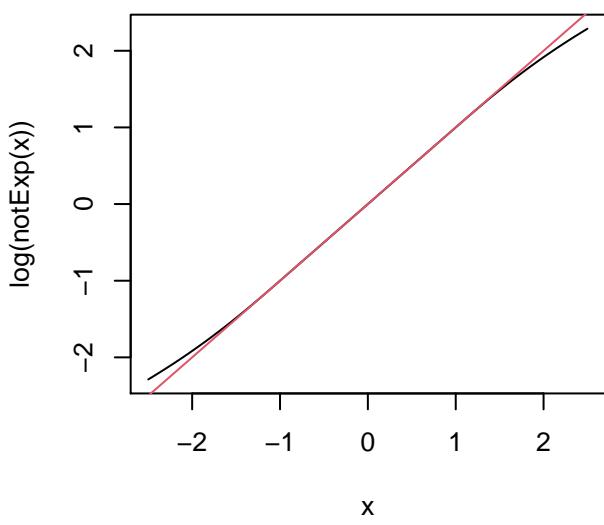
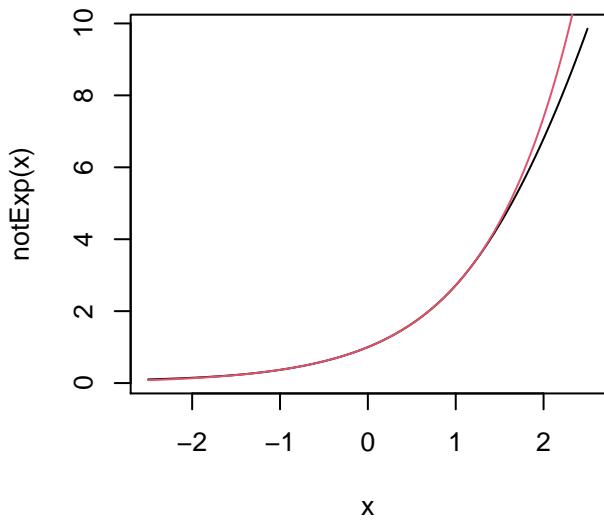
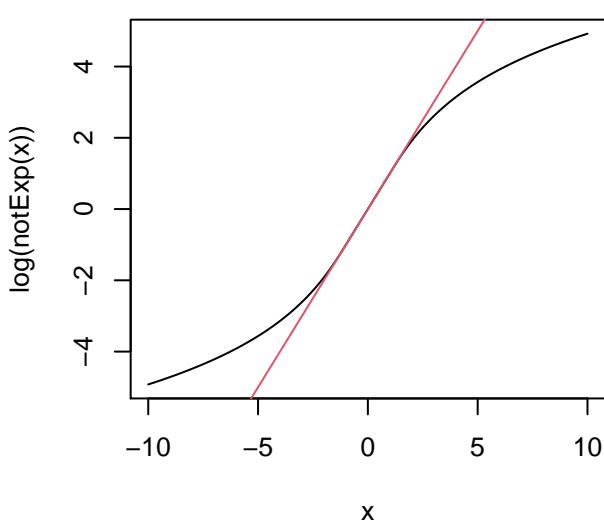
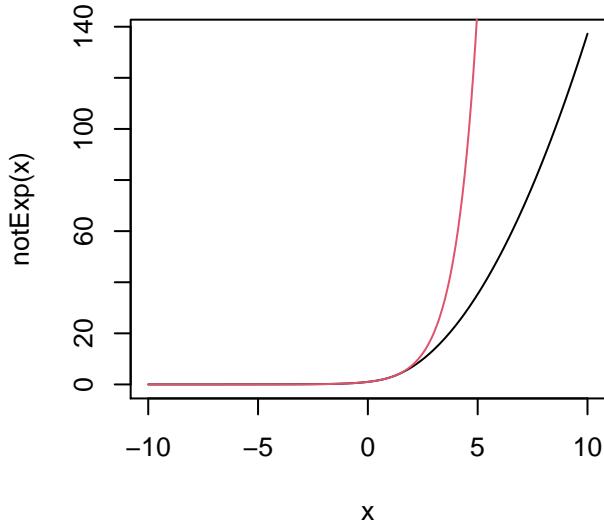
help("negbin")

help("negbin")

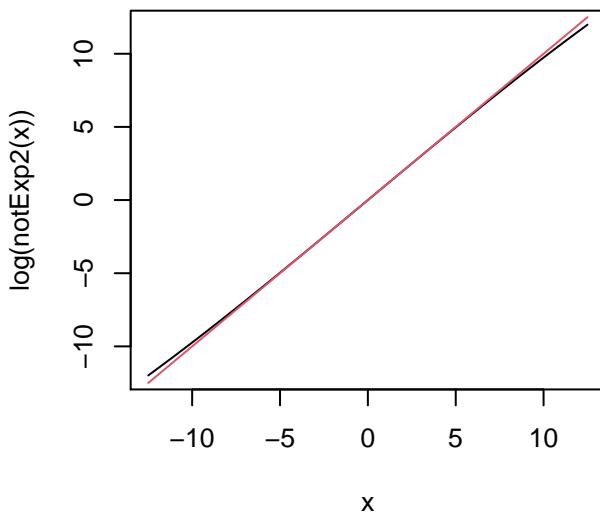
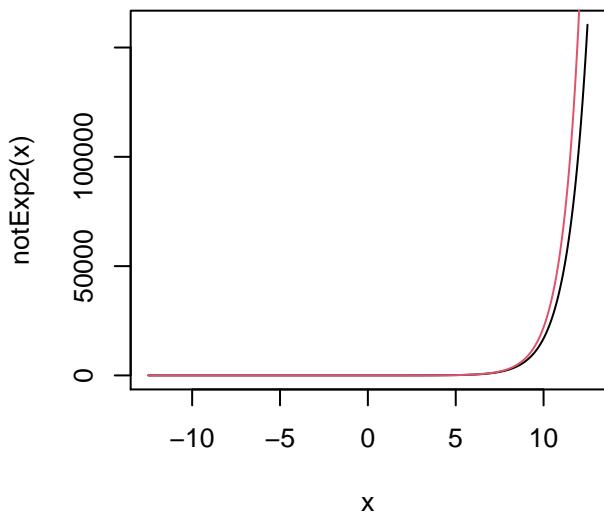
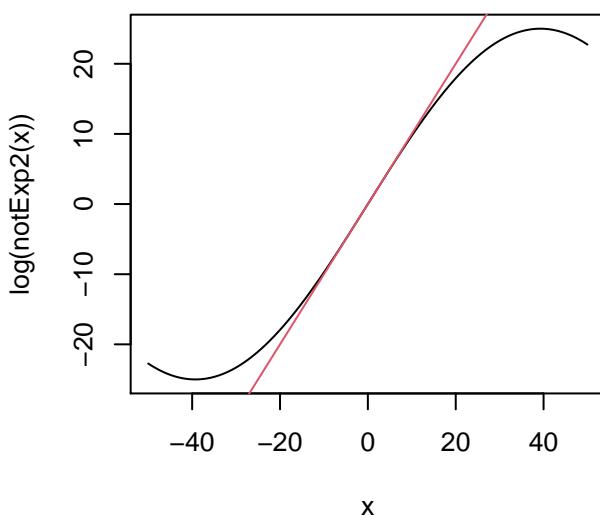
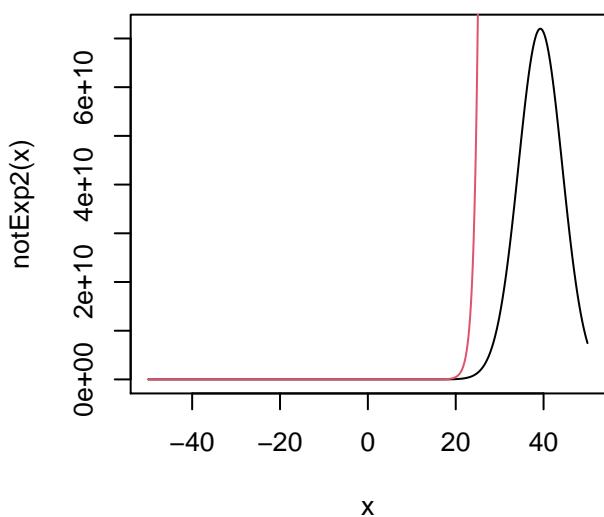




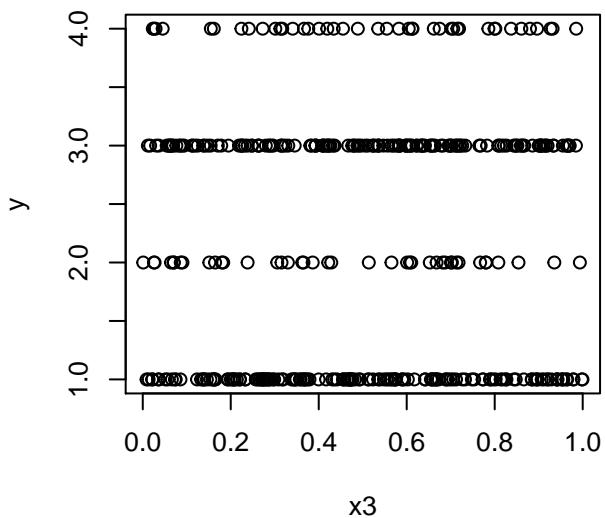
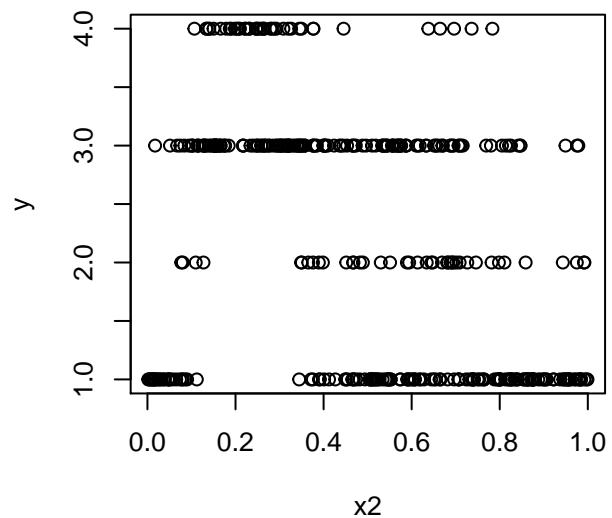
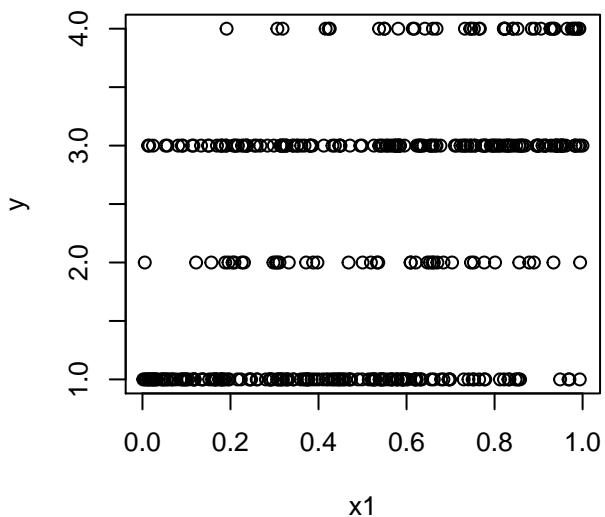
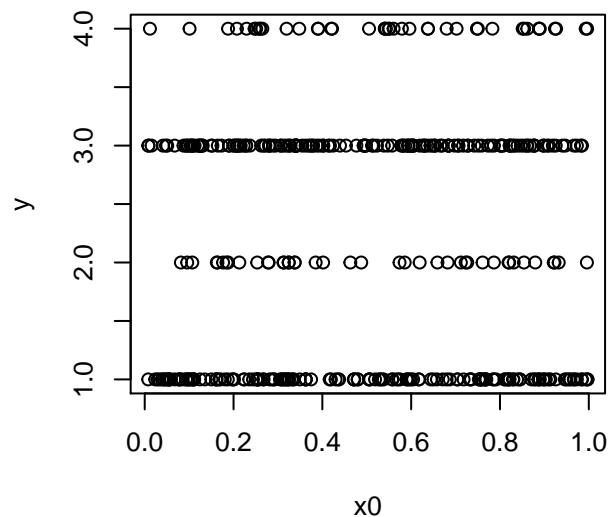
help("negbin")



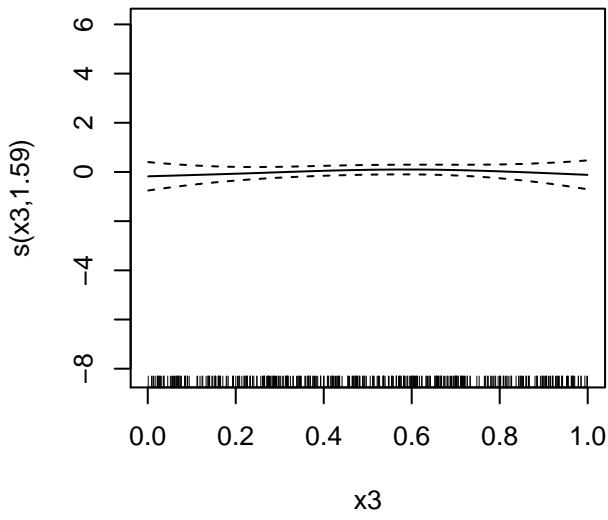
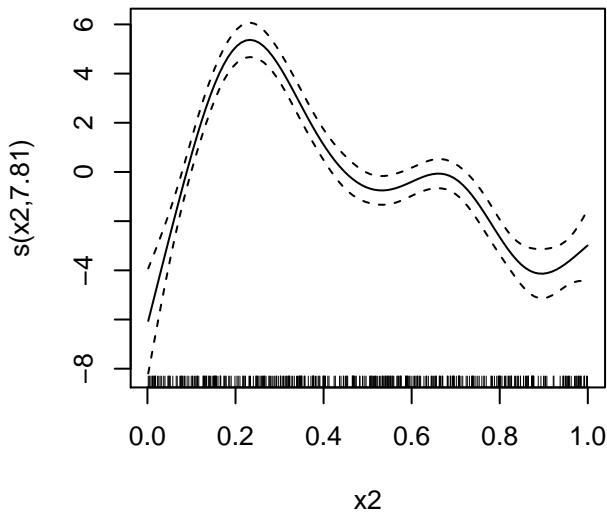
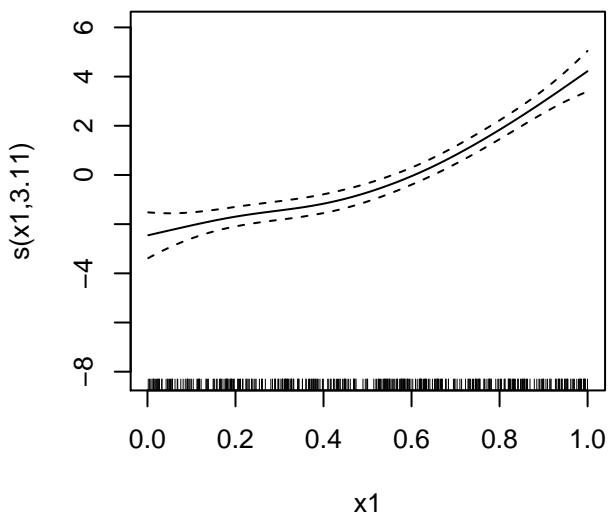
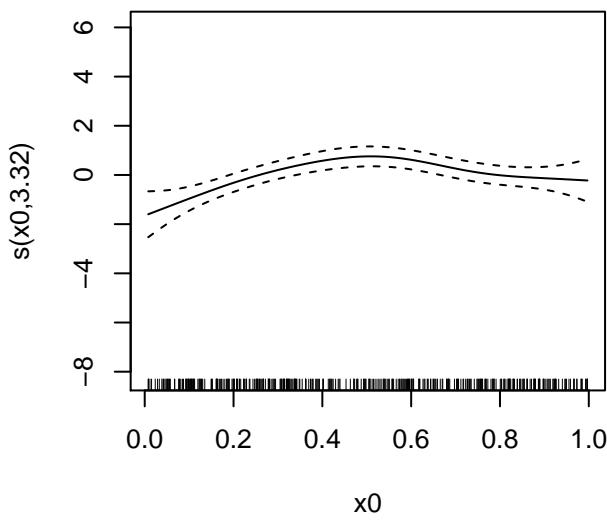
help("notExp")



help("notExp2")

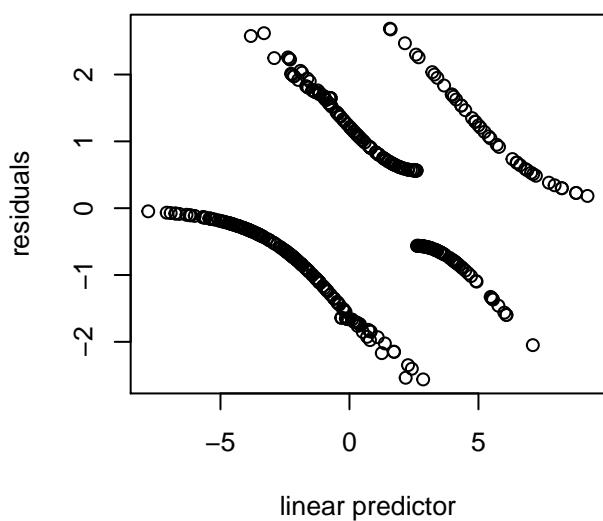
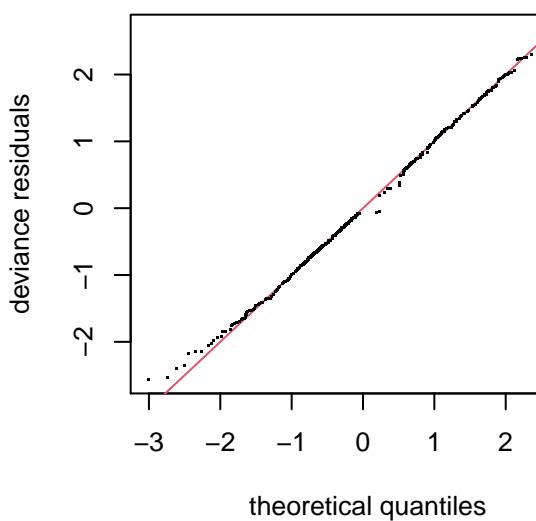


help("ocat")

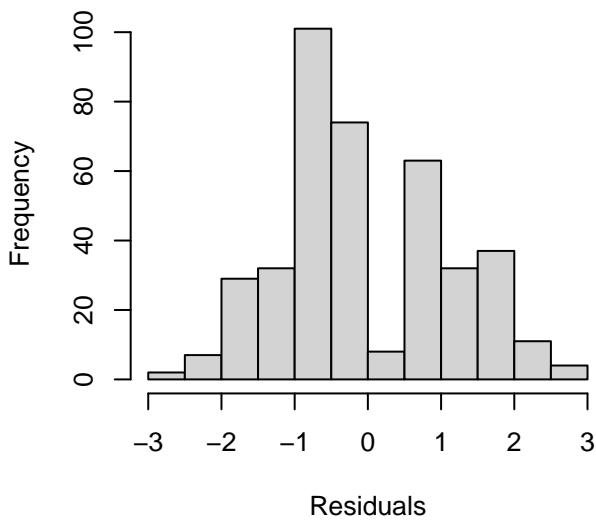


help("ocat")

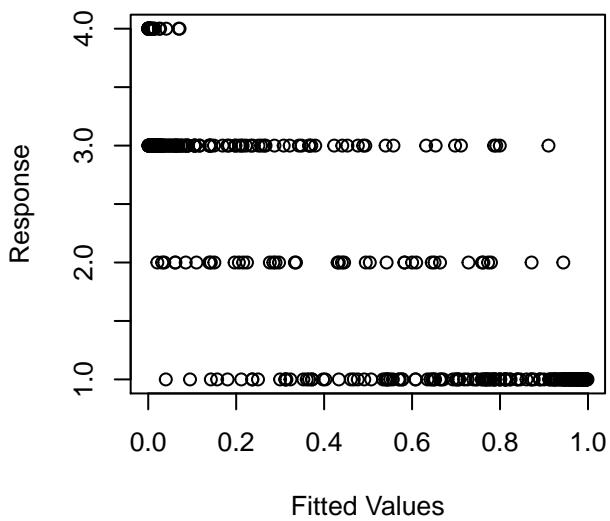
## Resids vs. linear pred.



## Histogram of residuals

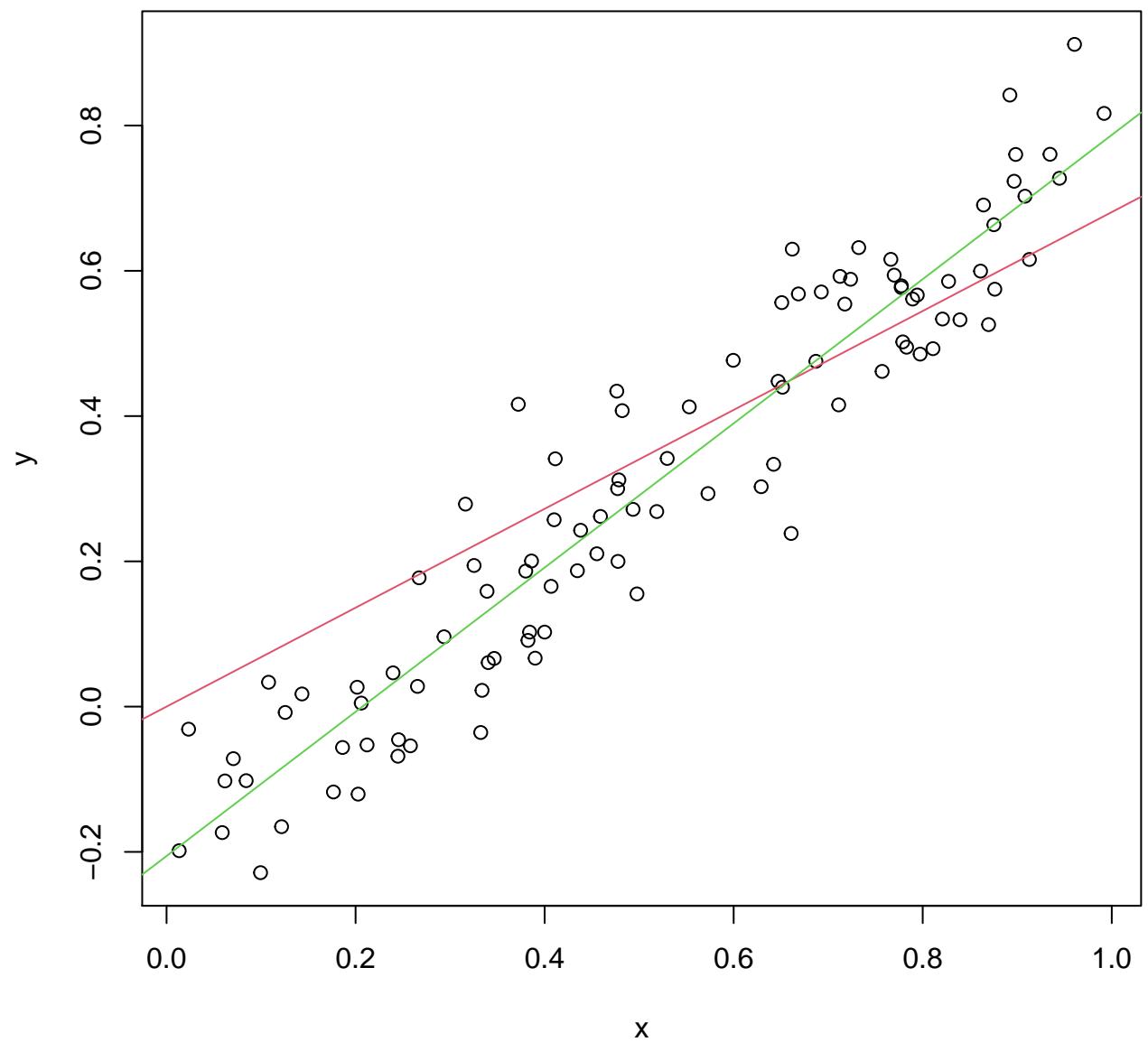


## Response vs. Fitted Values

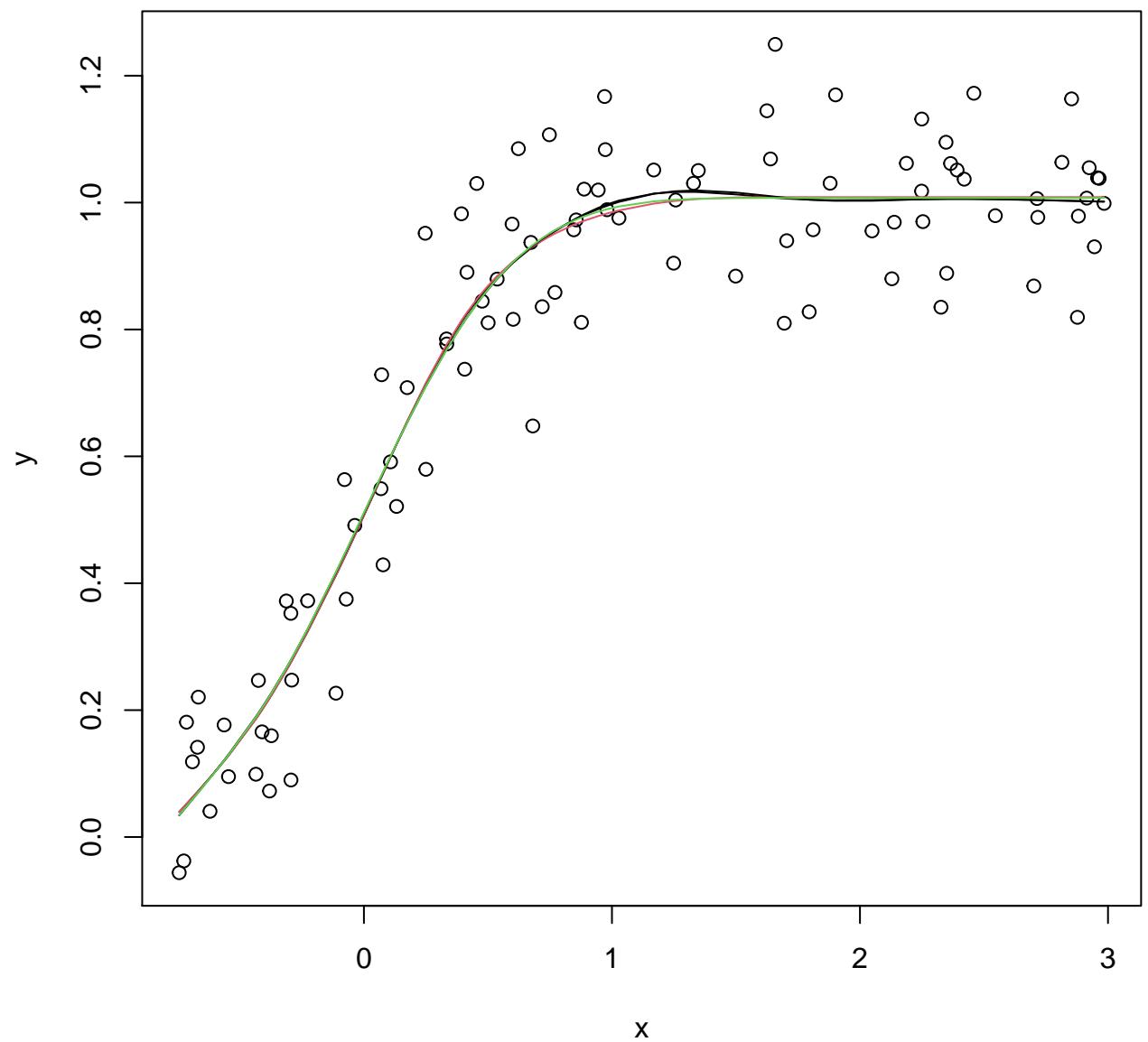


help("ocat")

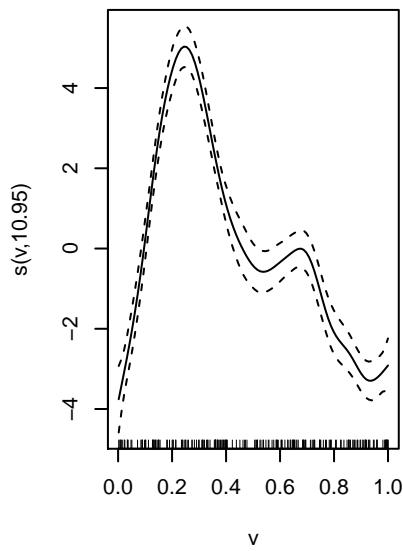
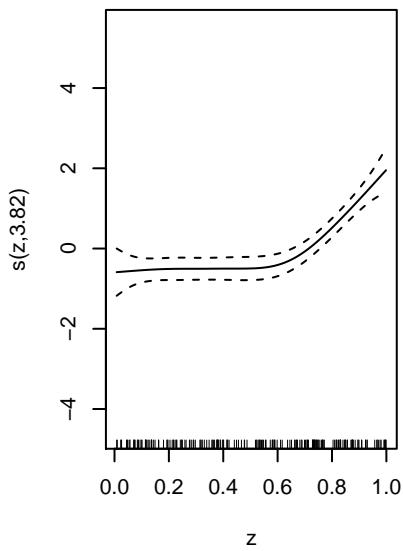
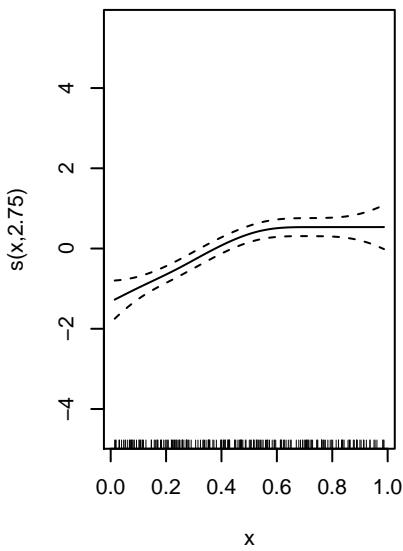
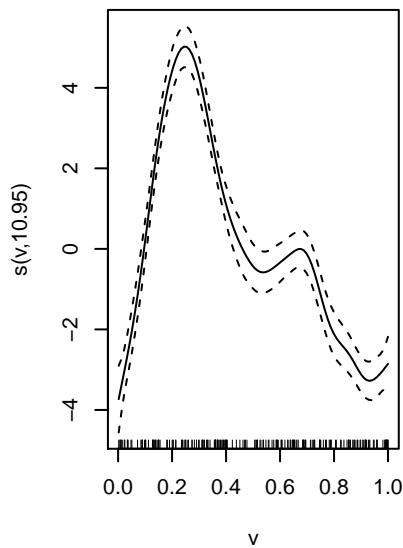
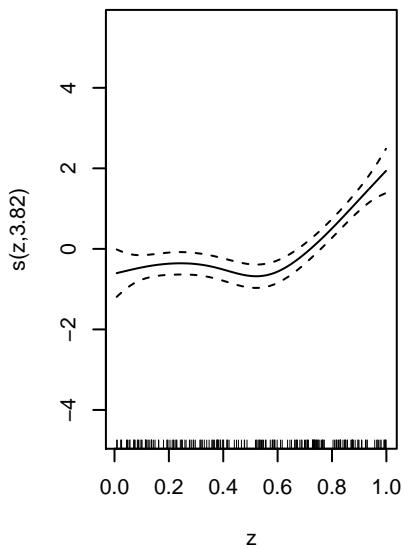
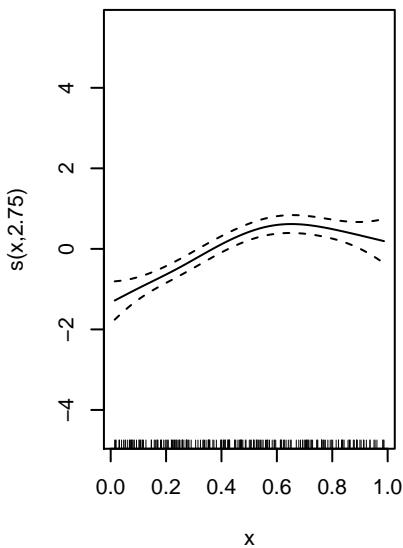
help("pcl")

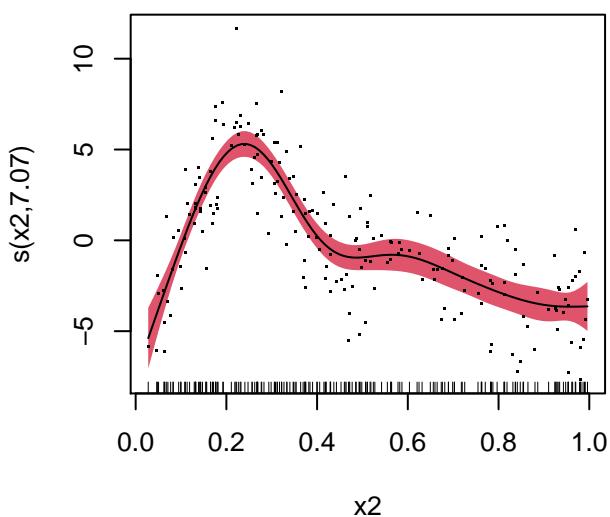
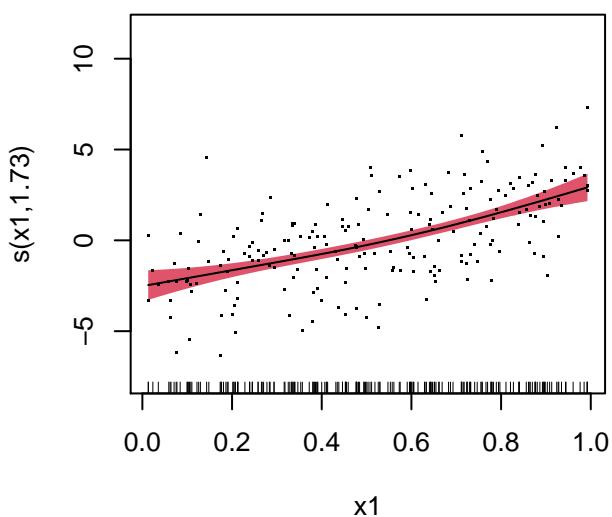


help("pcl")

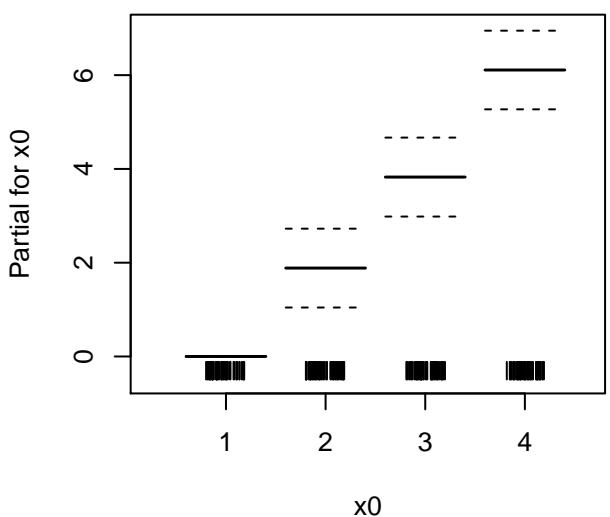
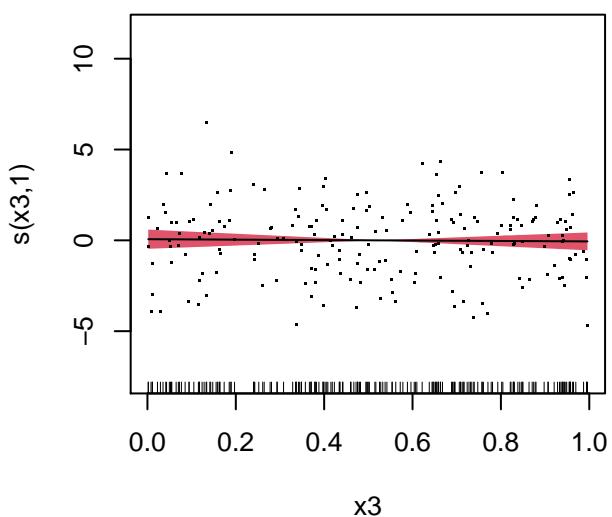


help("pccls")

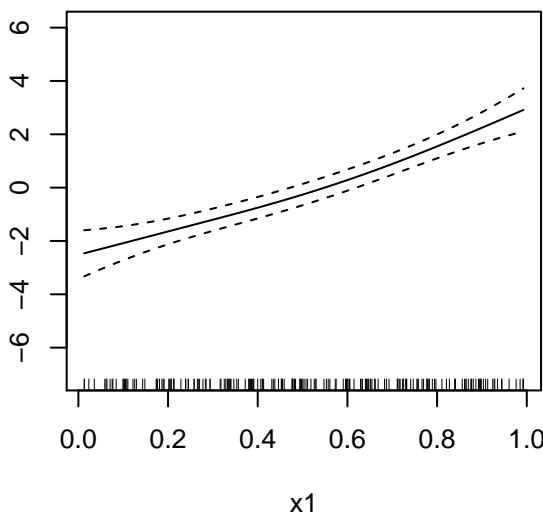




help("plot.gam")

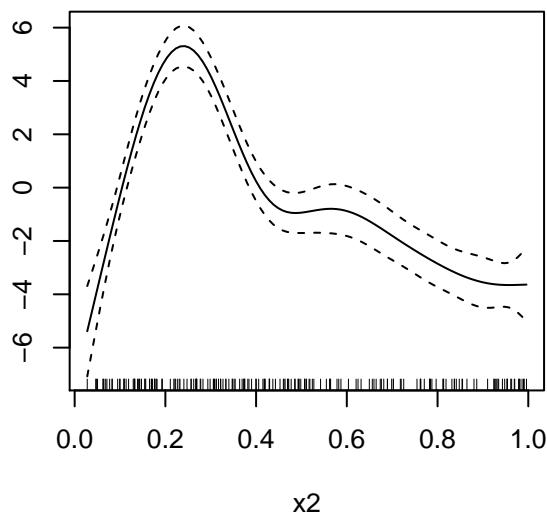


$s(x_1, 1.73)$



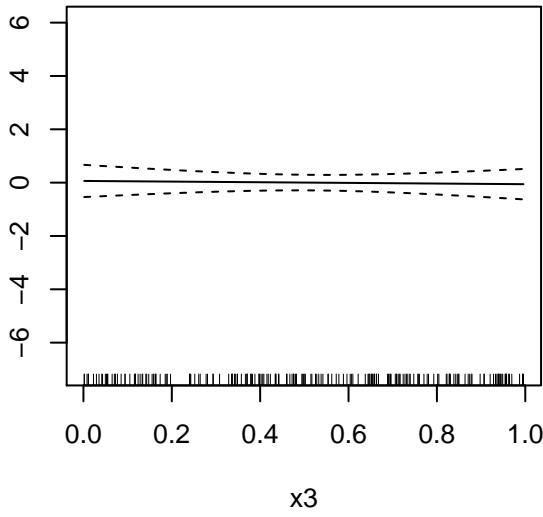
$x_1$

$s(x_2, 7.07)$



$x_2$

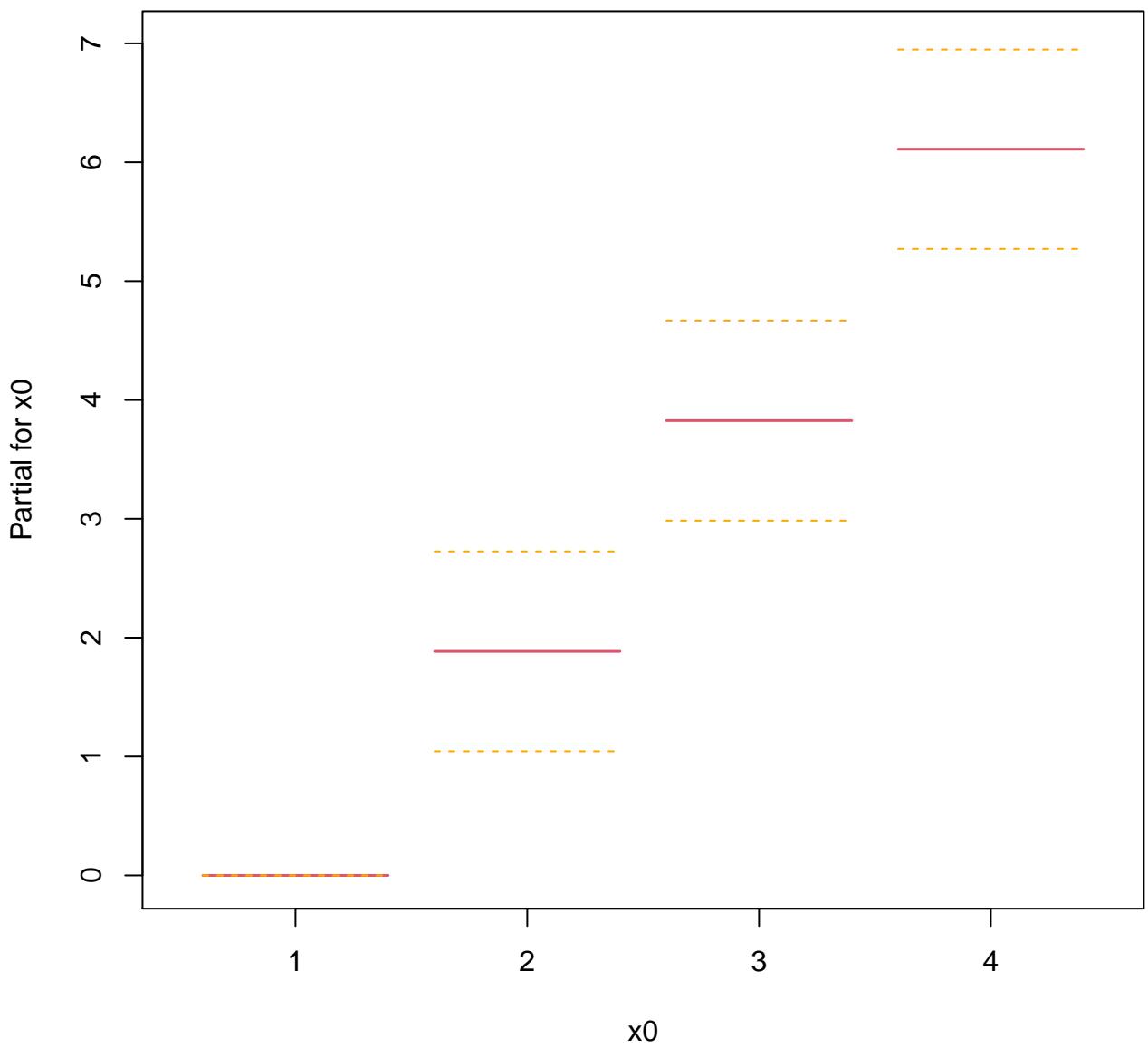
$s(x_3, 1)$

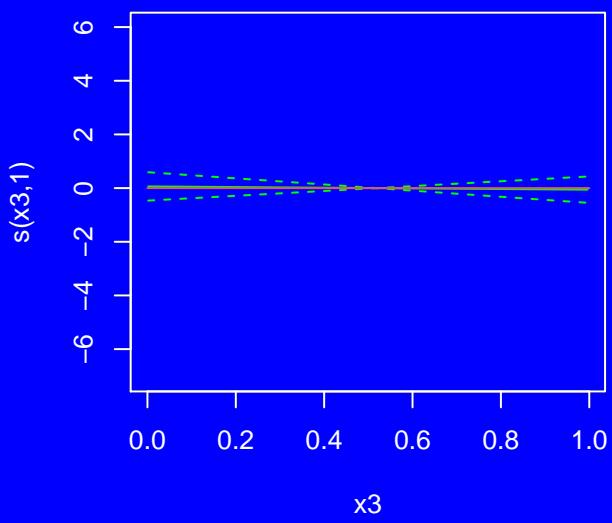
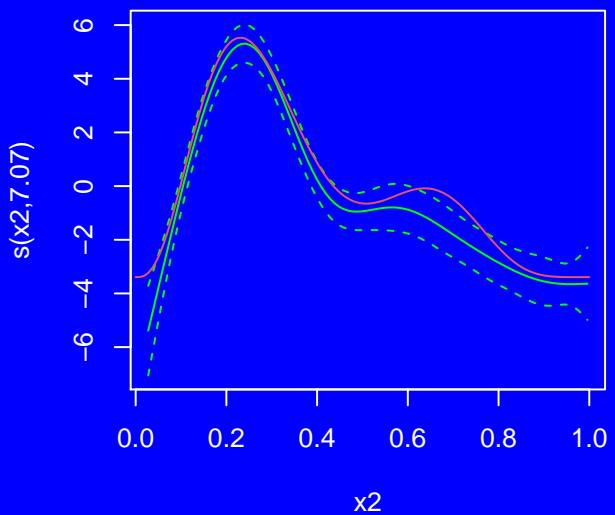
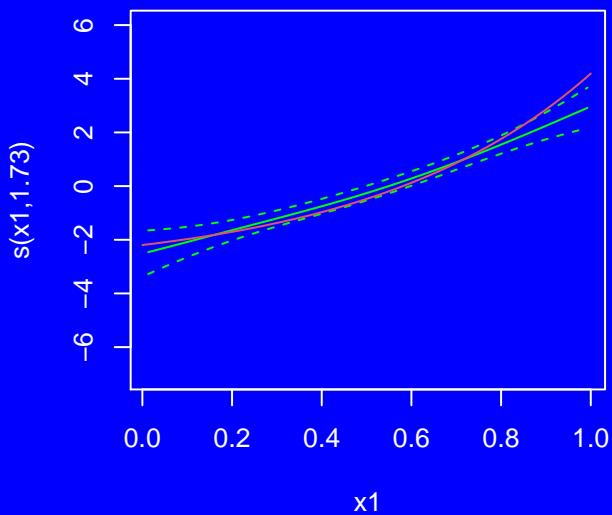


$x_3$

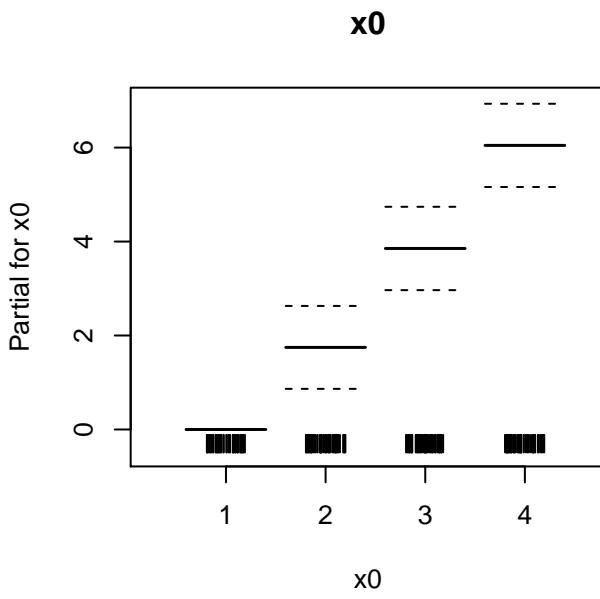
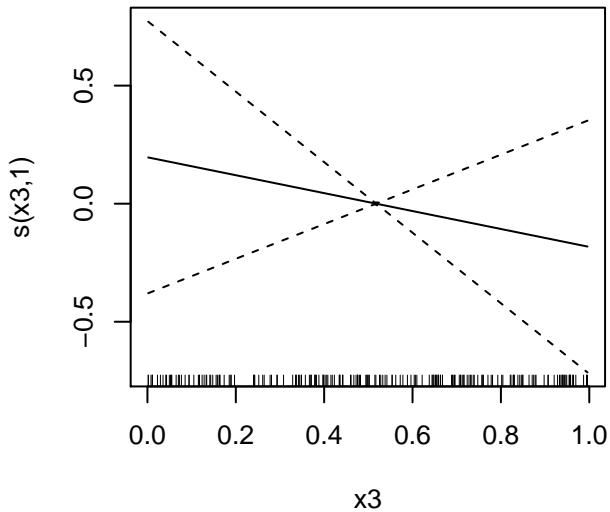
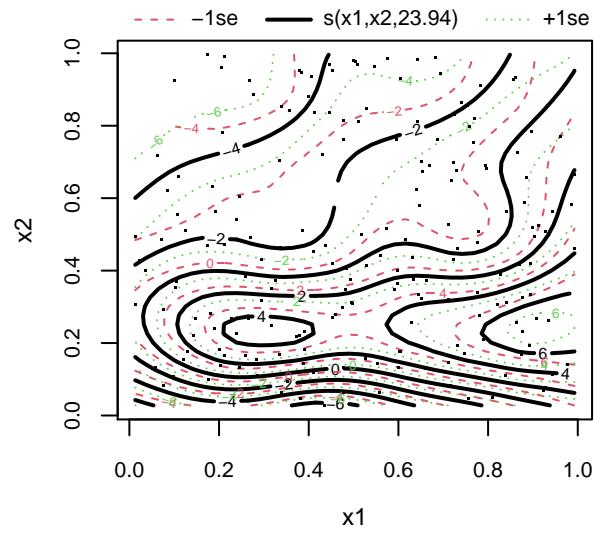
help("plot.gam")

help("plot.gam")

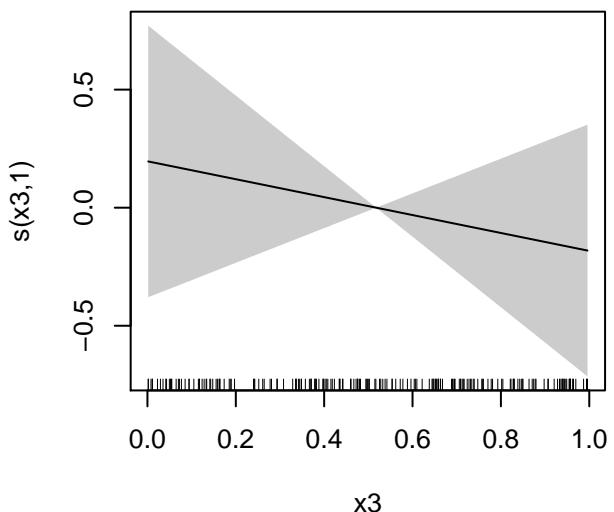
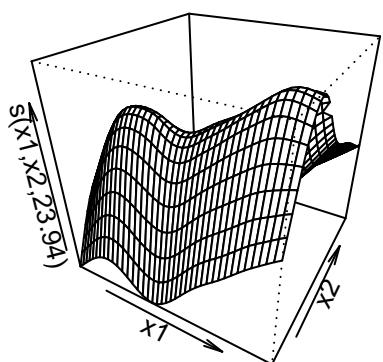




help("plot.gam")

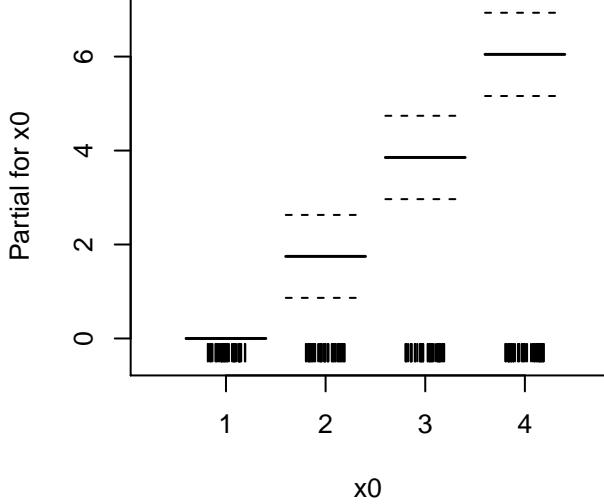


help("plot.gam")

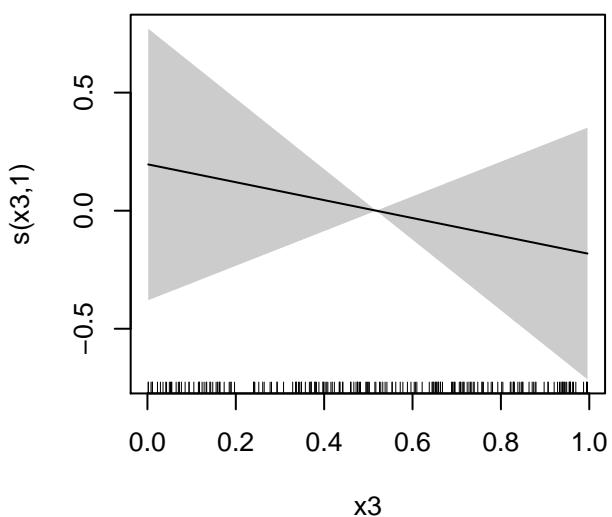
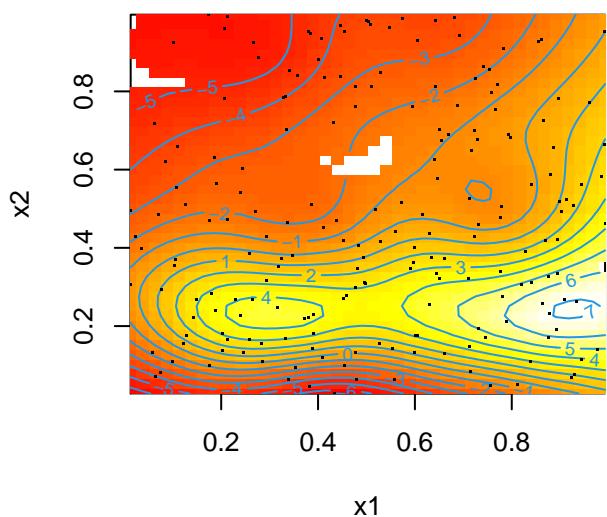


help("plot.gam")

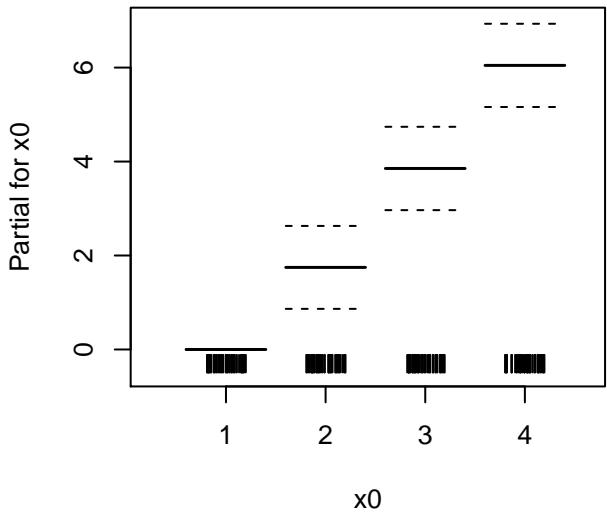
**x0**



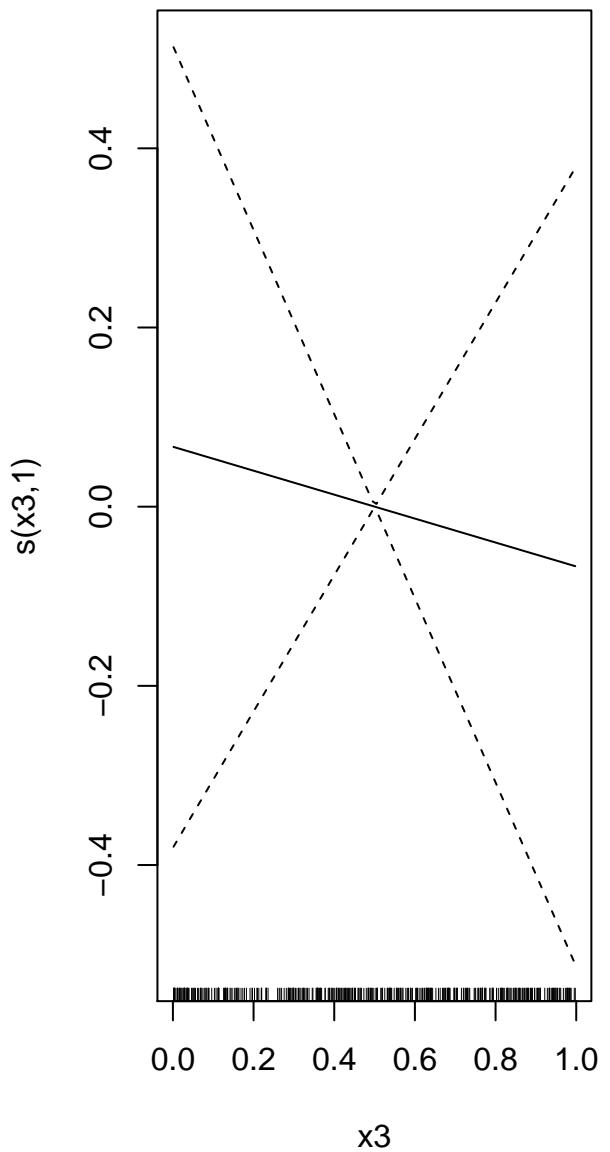
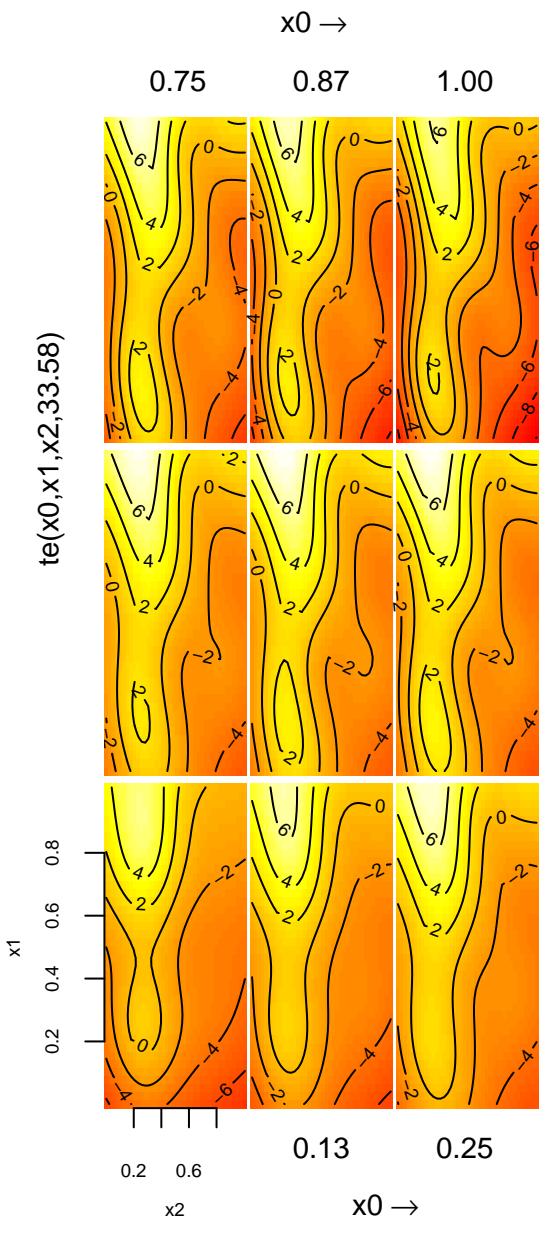
$s(x_1, x_2, 23.94)$

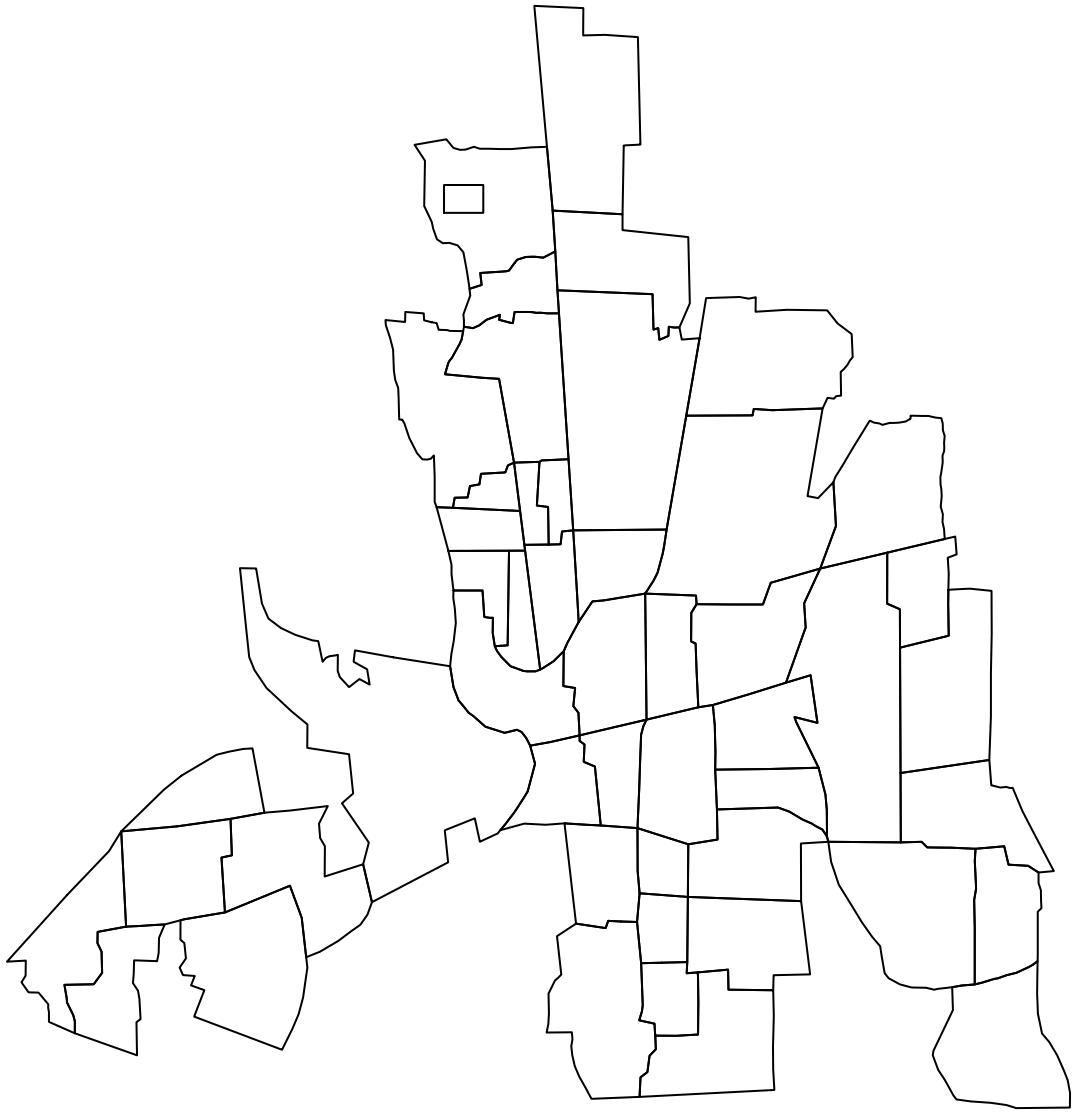


$x_0$



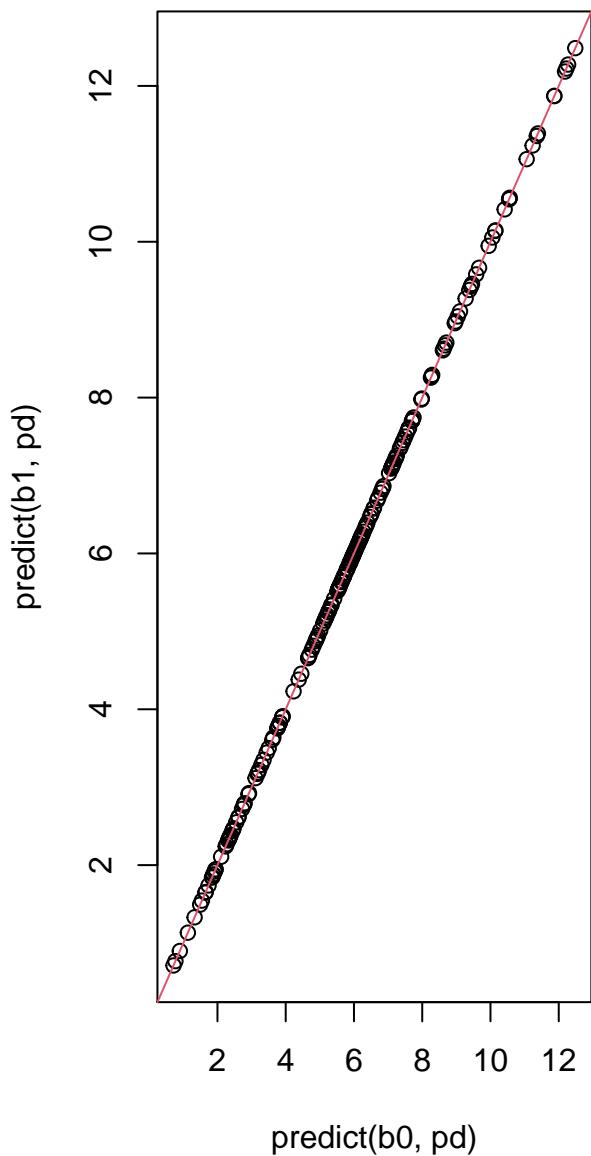
help("plot,gam")



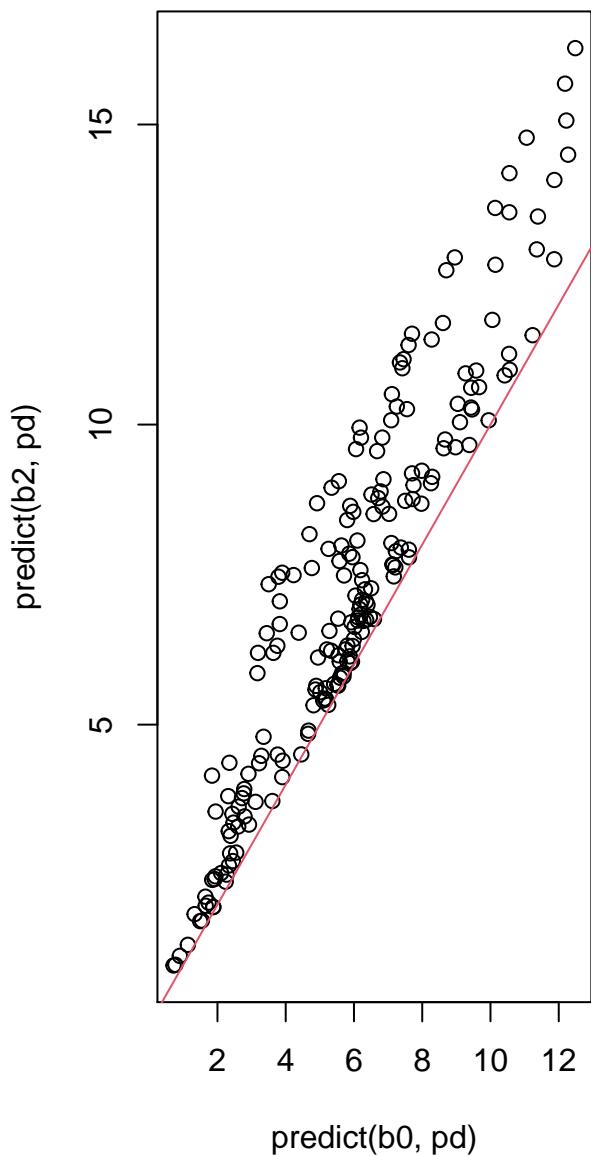


help("polys.plot")

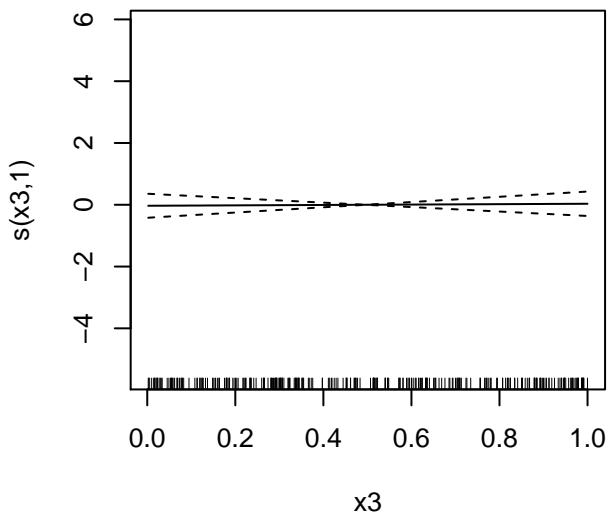
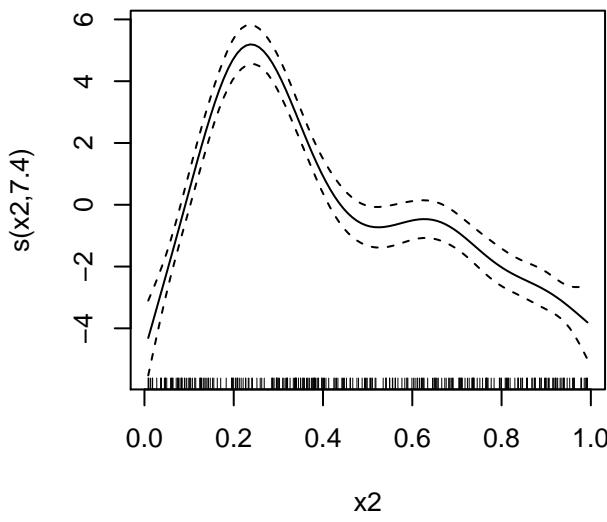
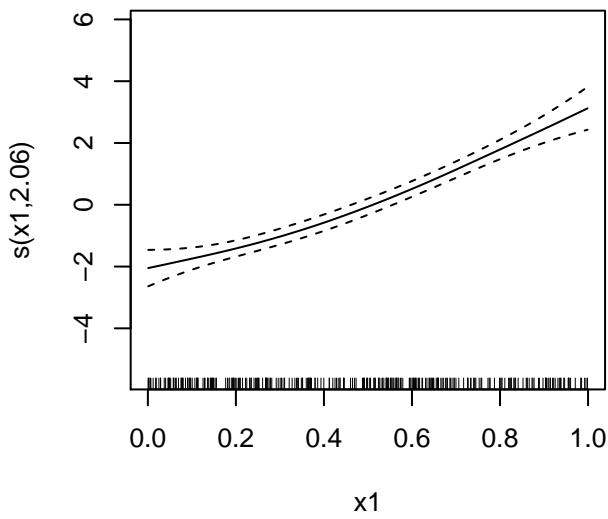
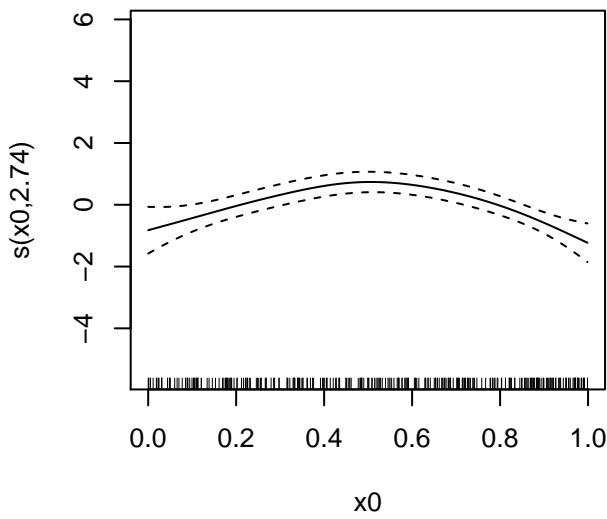
**b0 and b1 predictions match**



**b2 unsafe, doesn't match**

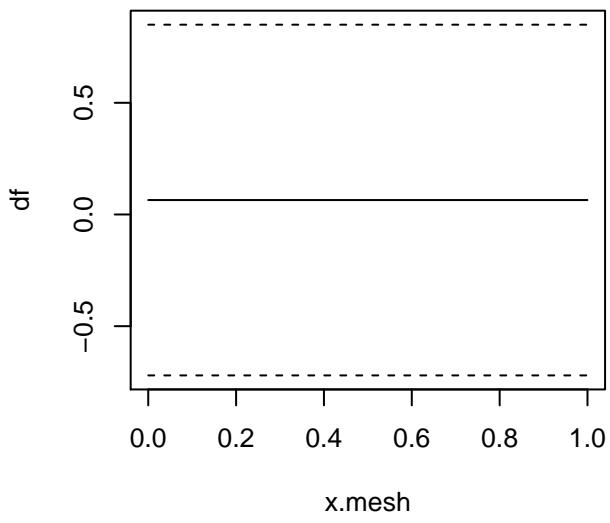
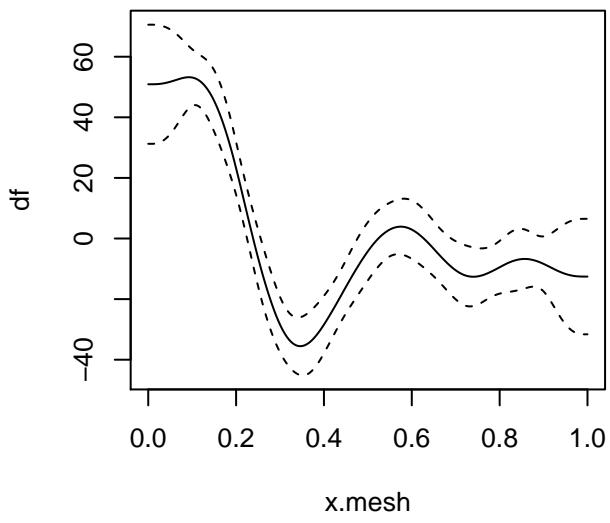
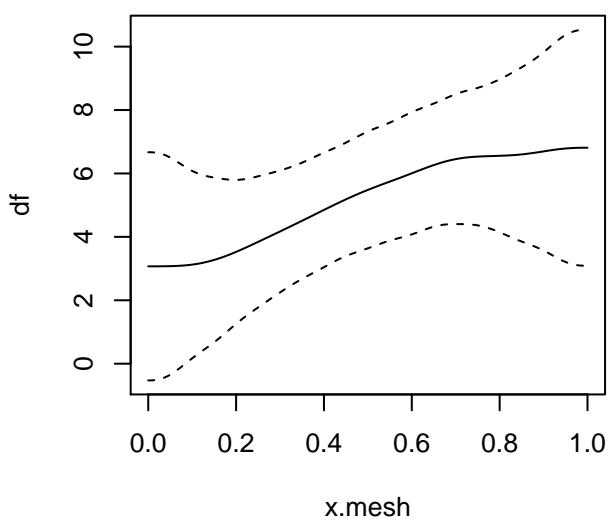
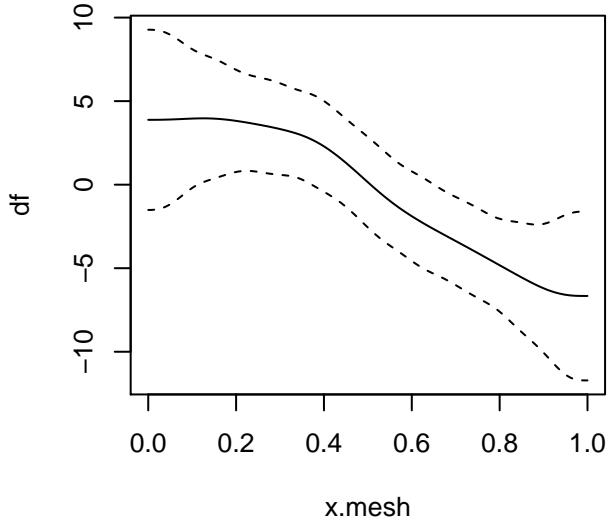


help("predict.gam")

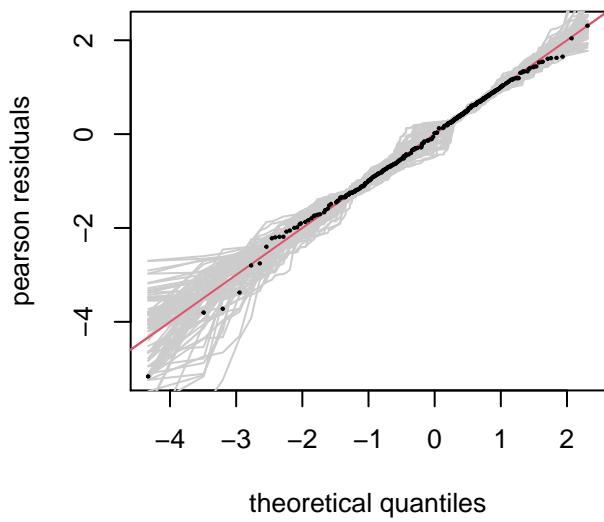
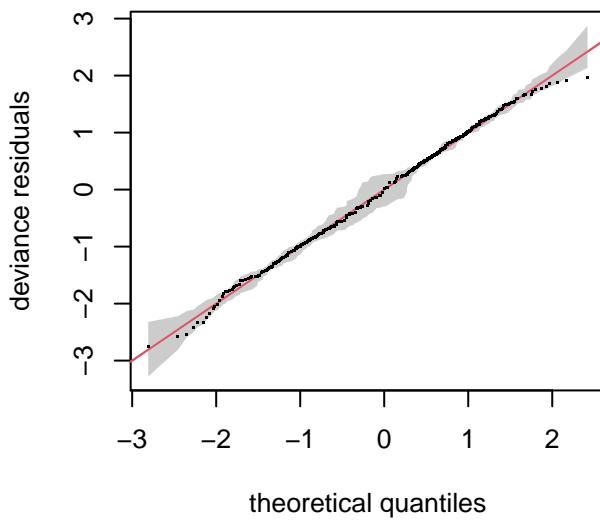
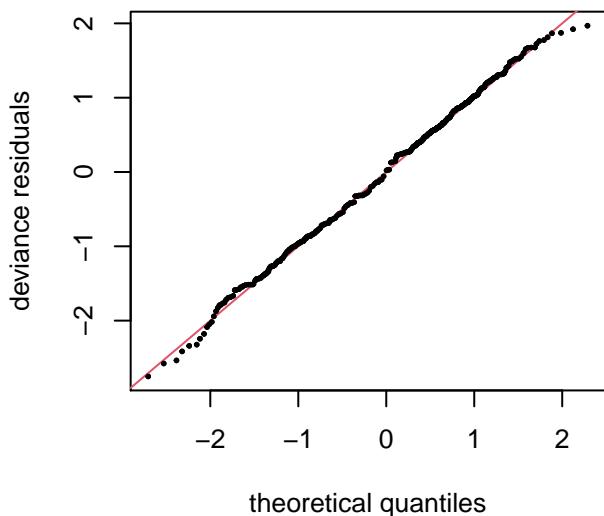
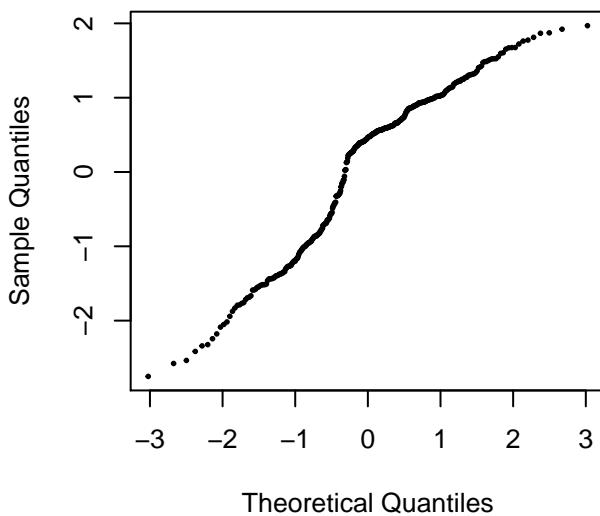


help("predict.gam")

help("predict.gam")

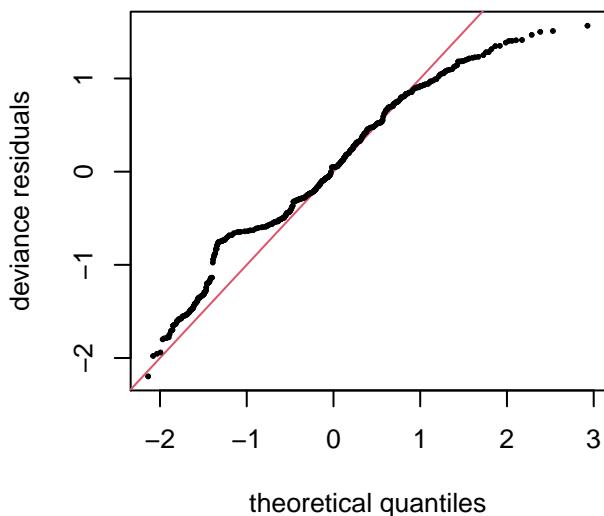
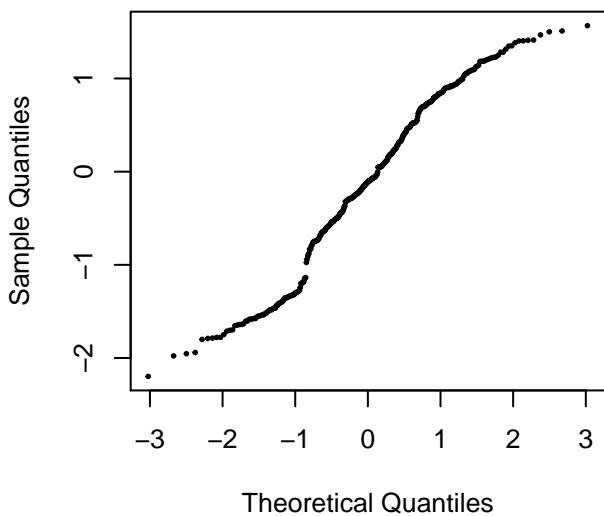


## Normal Q-Q Plot

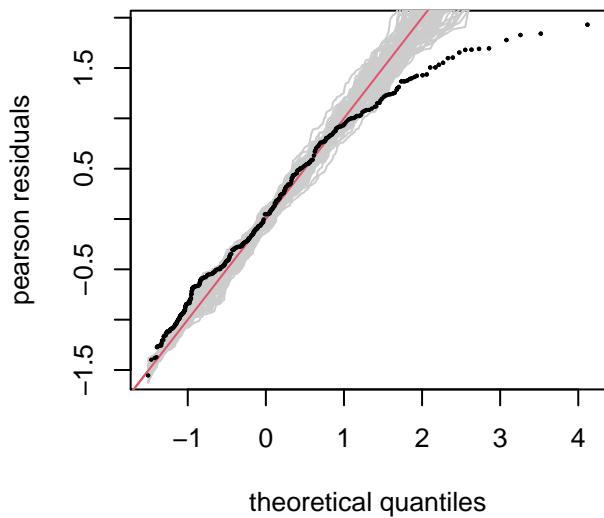
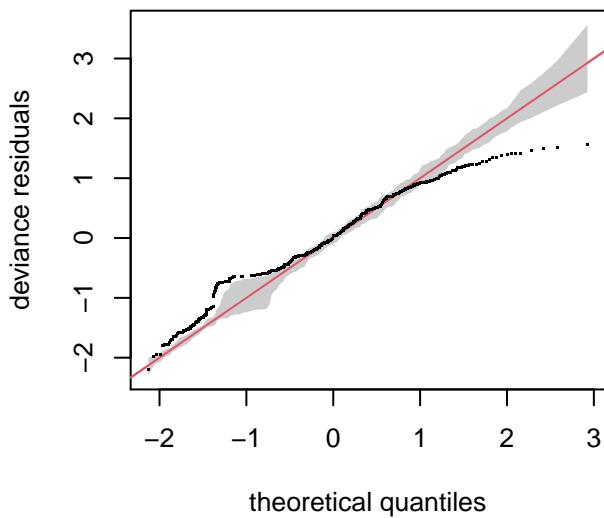


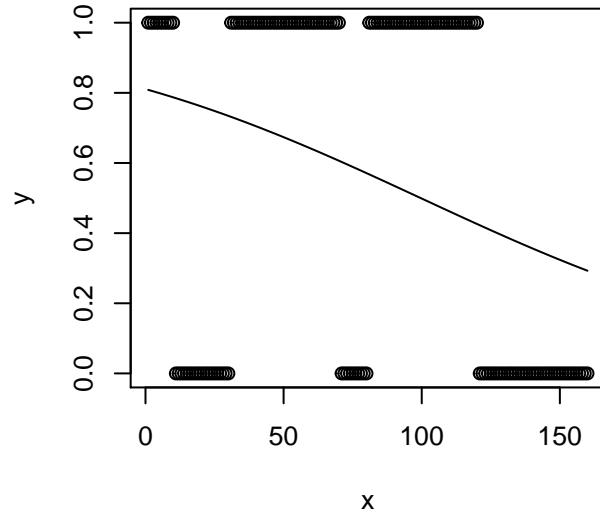
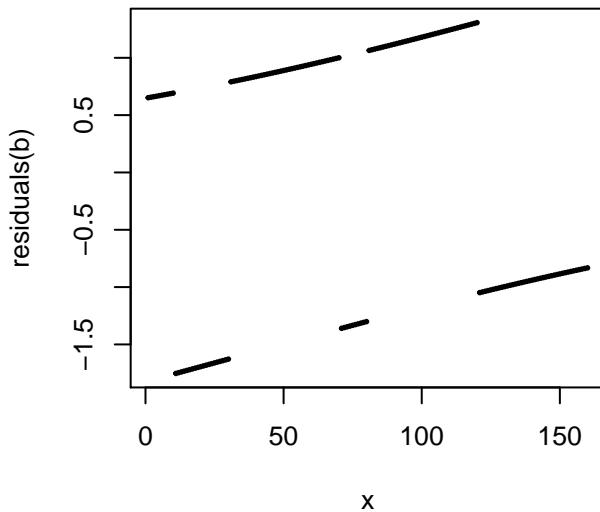
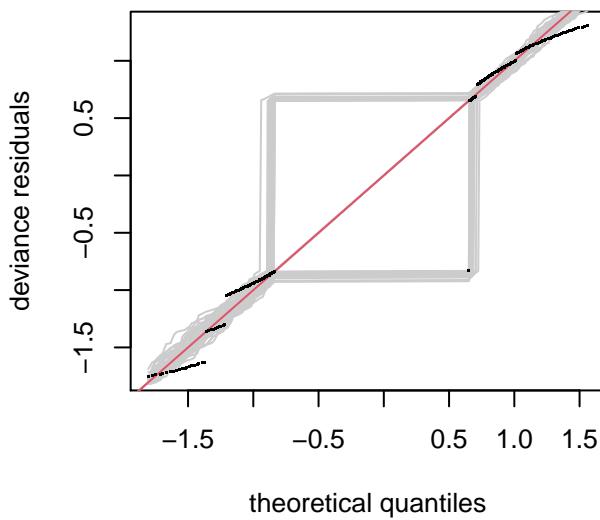
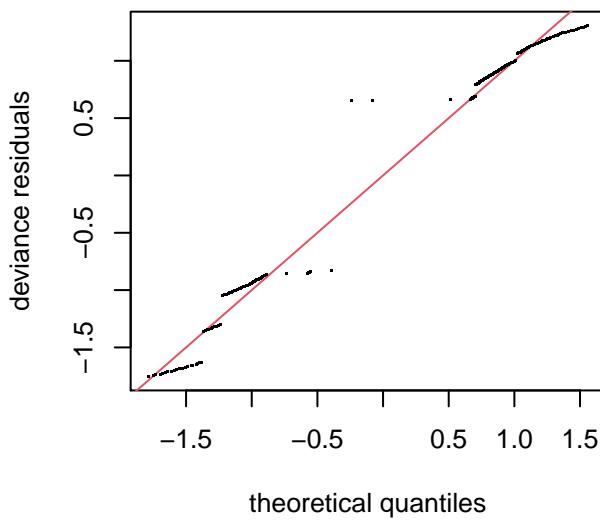
help("qq.gam")

## Normal Q–Q Plot

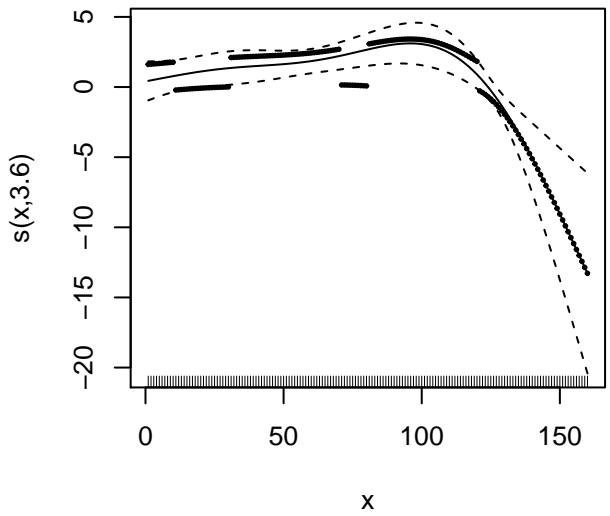
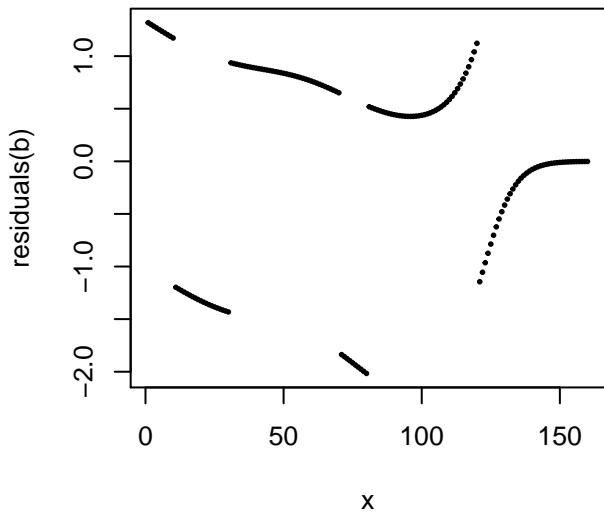
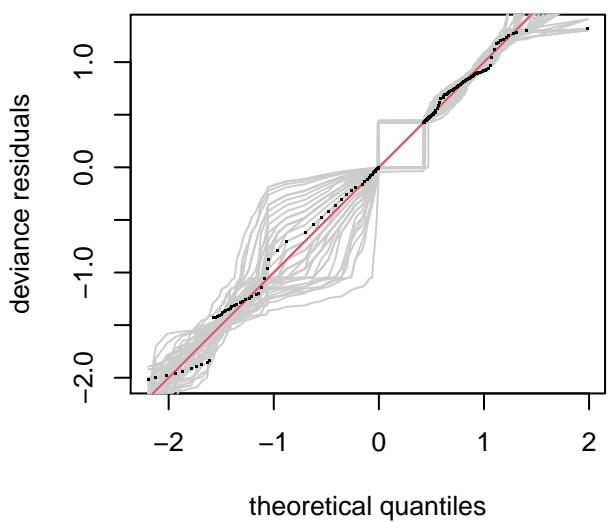
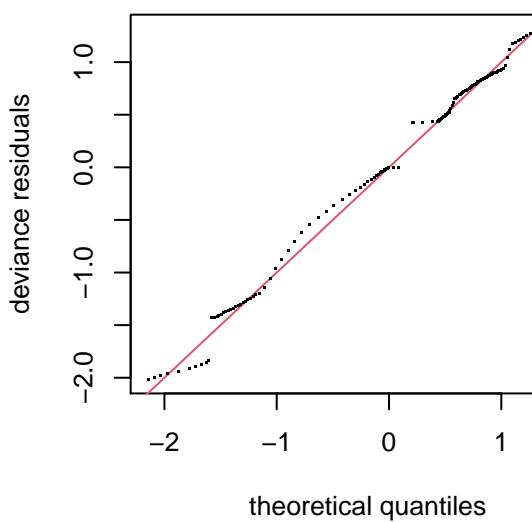


help("qq.gam")



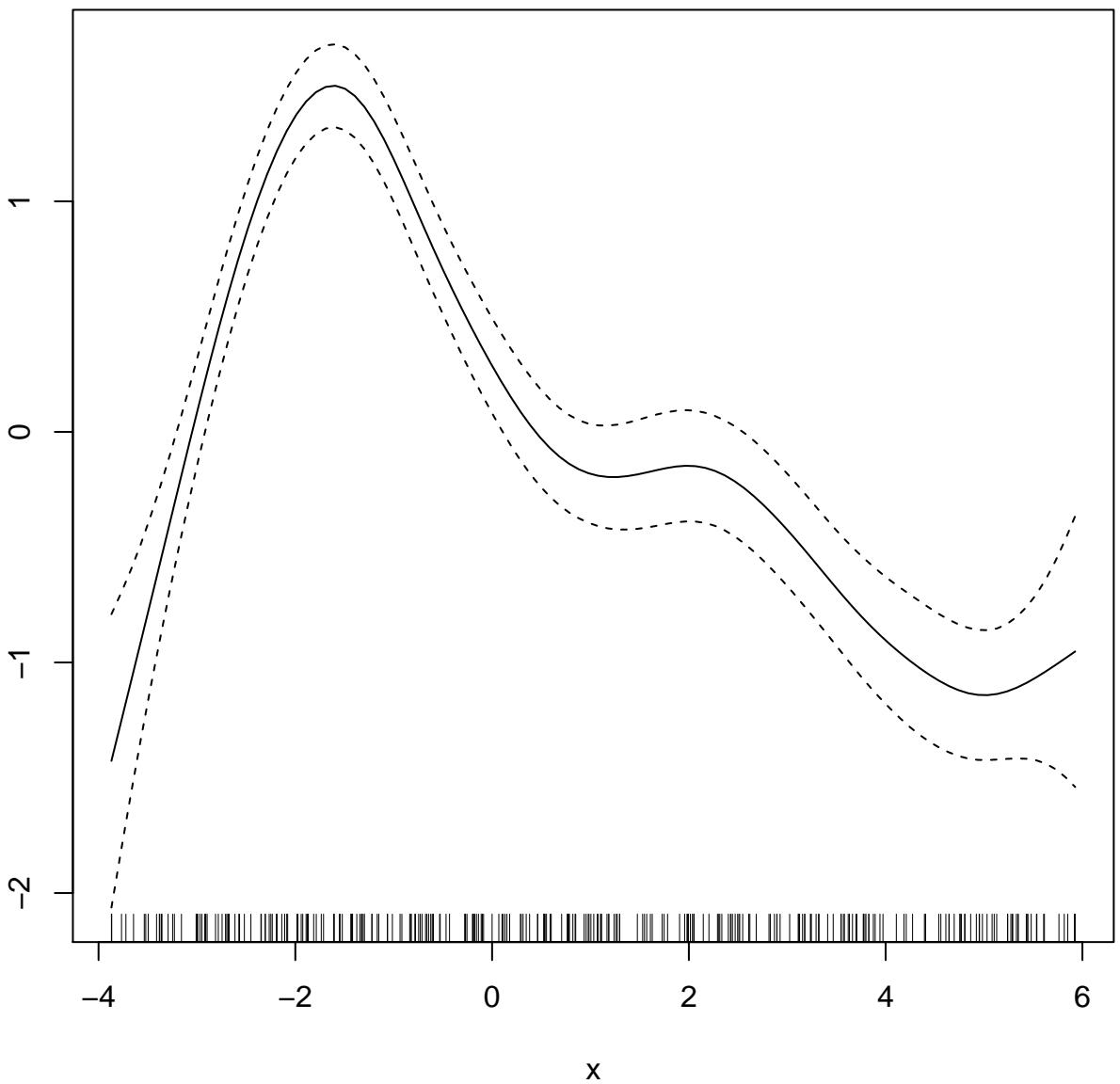


help("qq.gam")

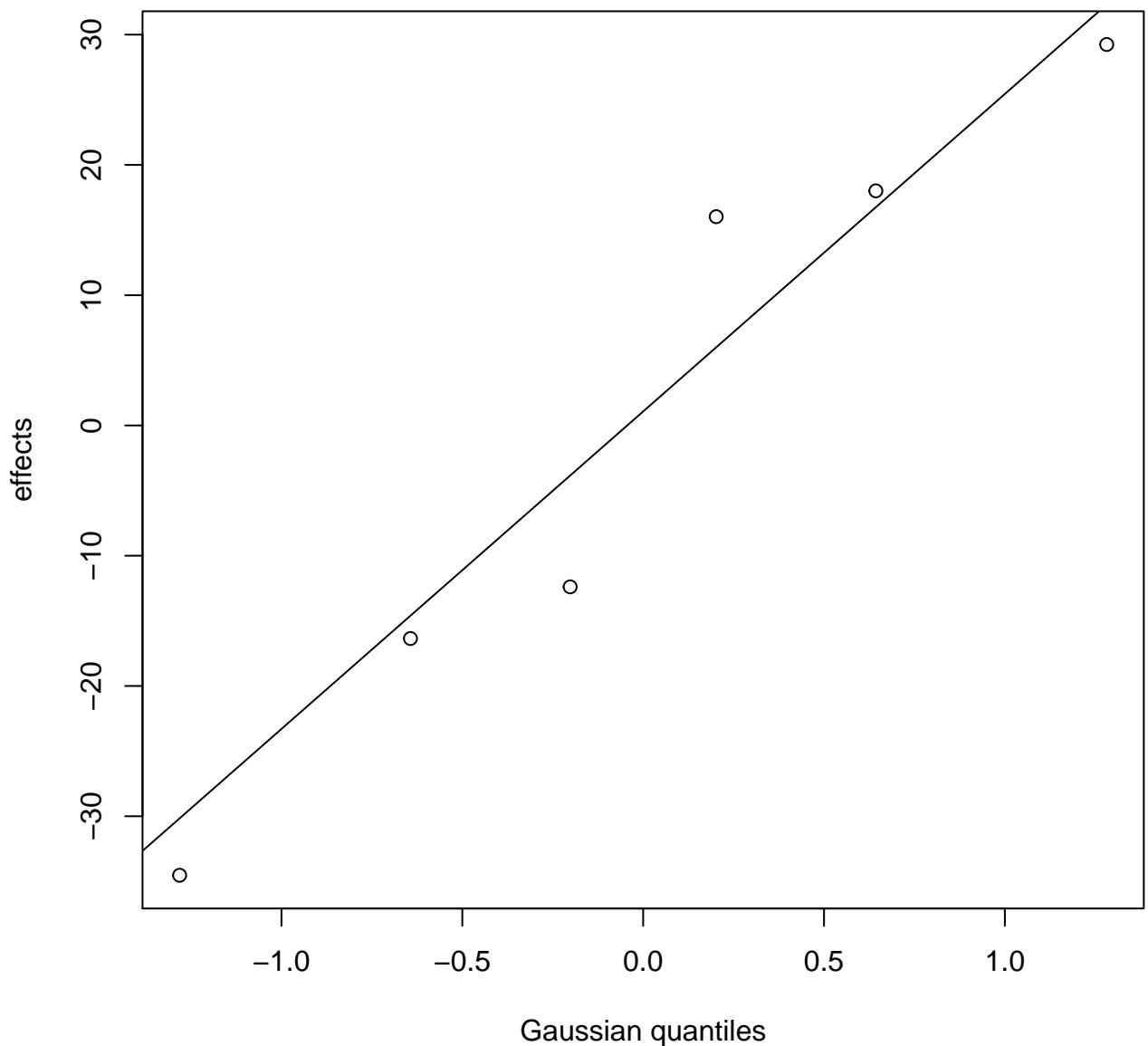


help("rTweedie")

$s(x, 7, 12)$

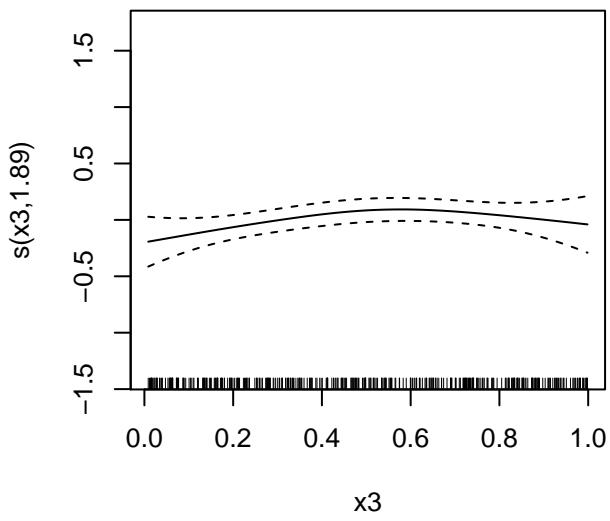
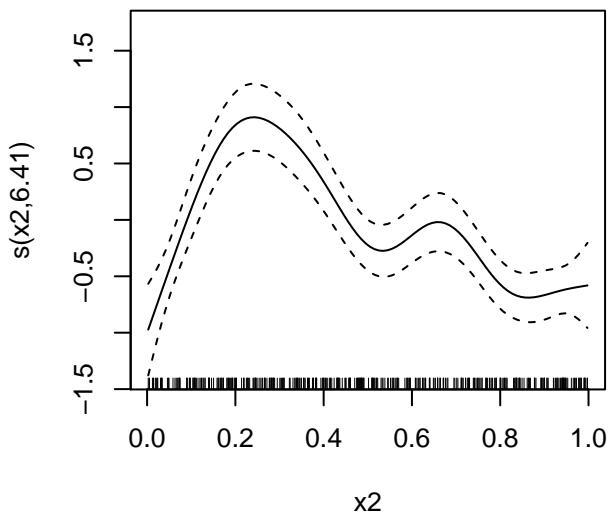
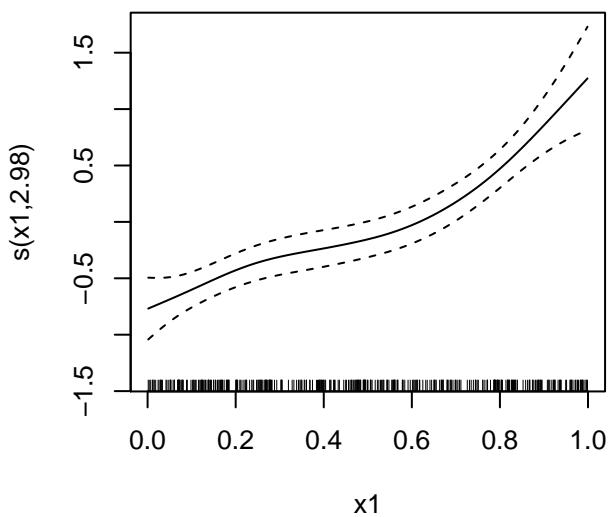
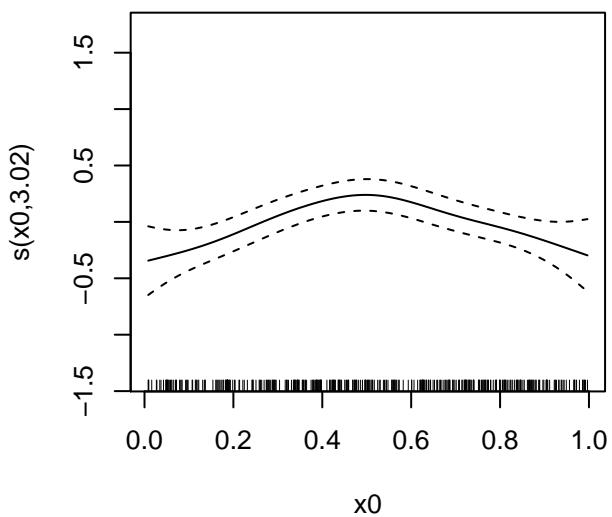


**s(Rail,4.96)**

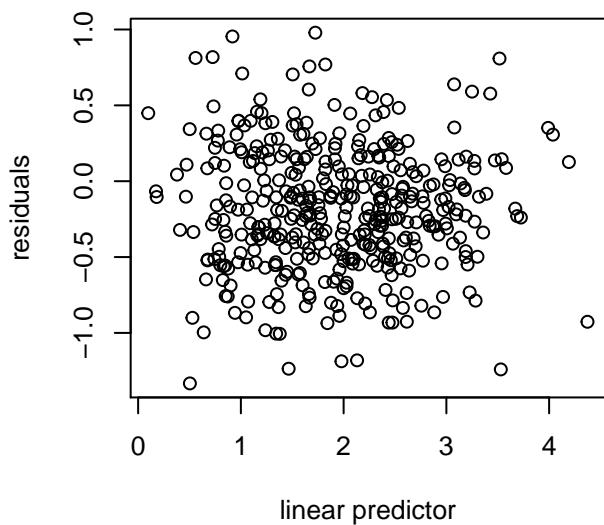
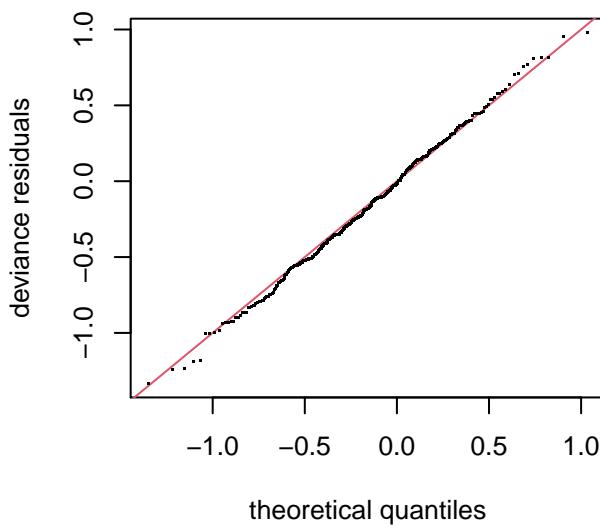


help("random.effects")

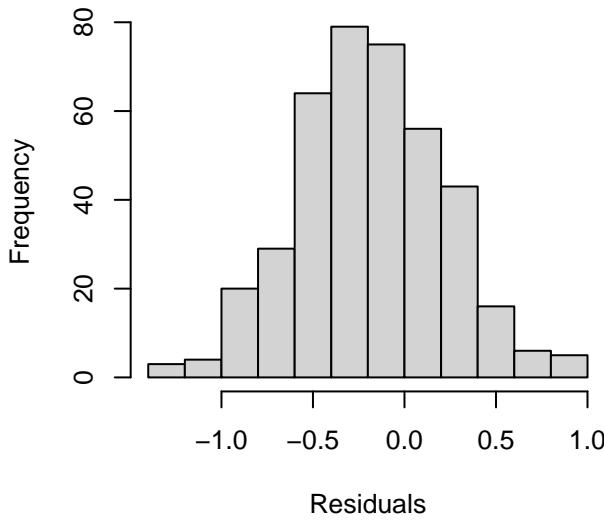
help("rig")



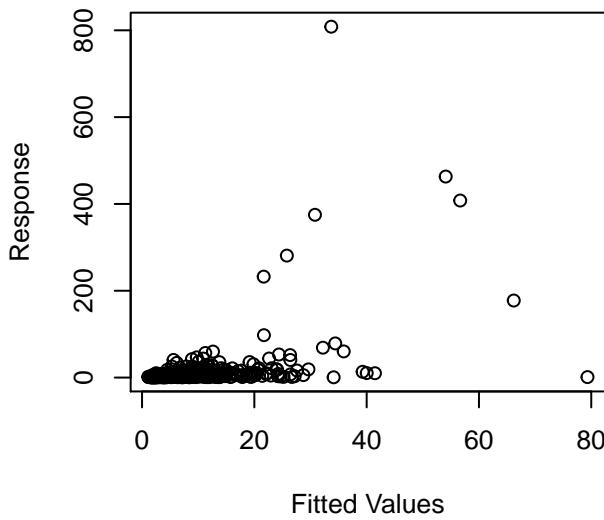
## Resids vs. linear pred.



## Histogram of residuals

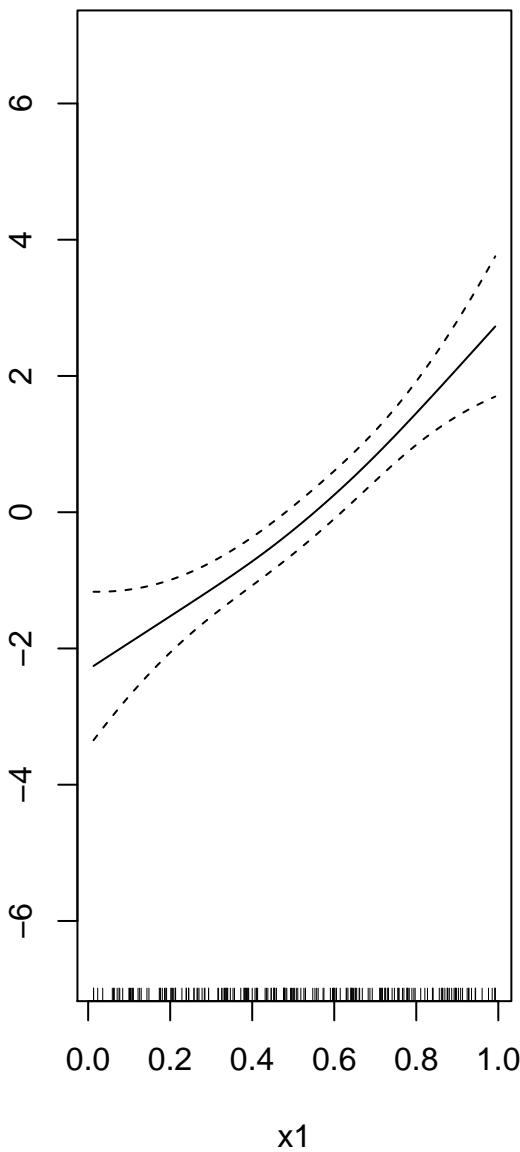


## Response vs. Fitted Values

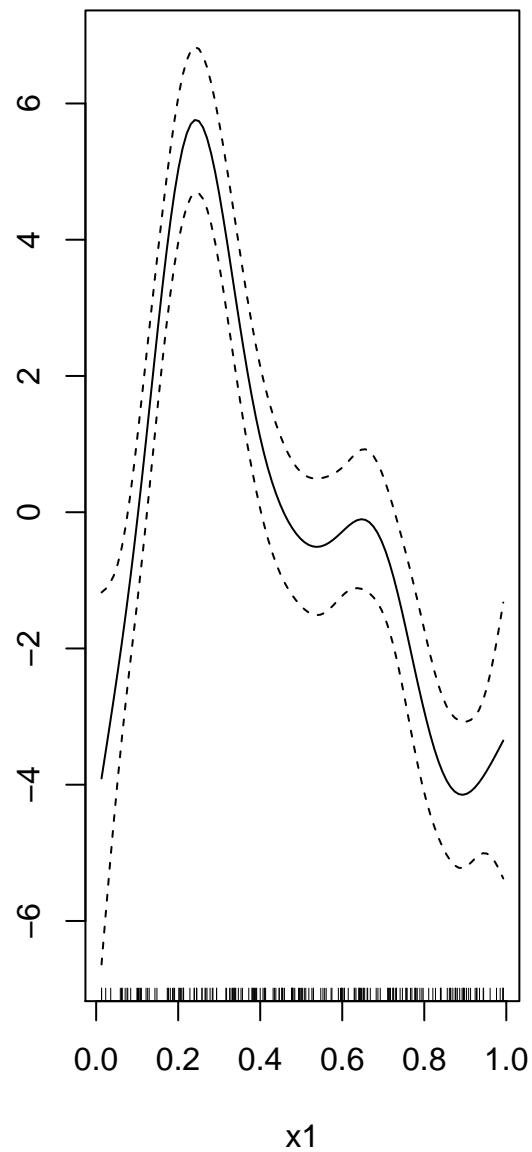


help("rig")

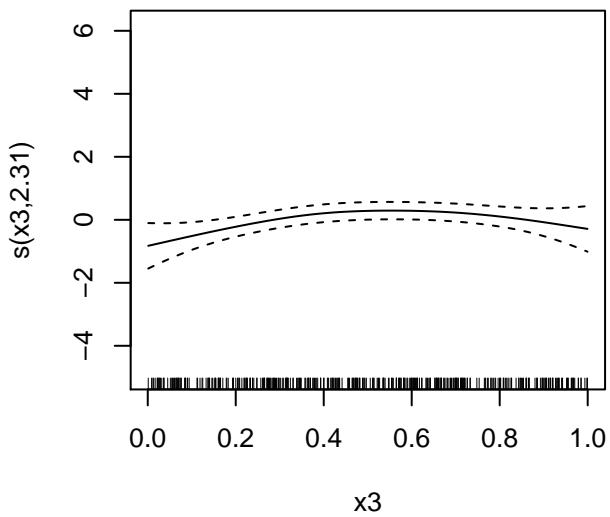
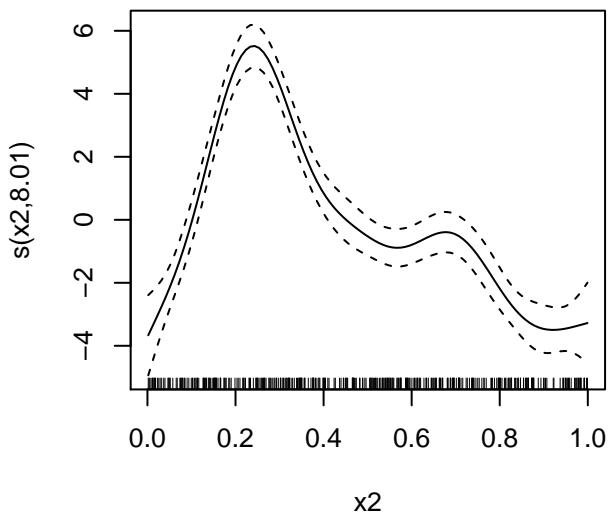
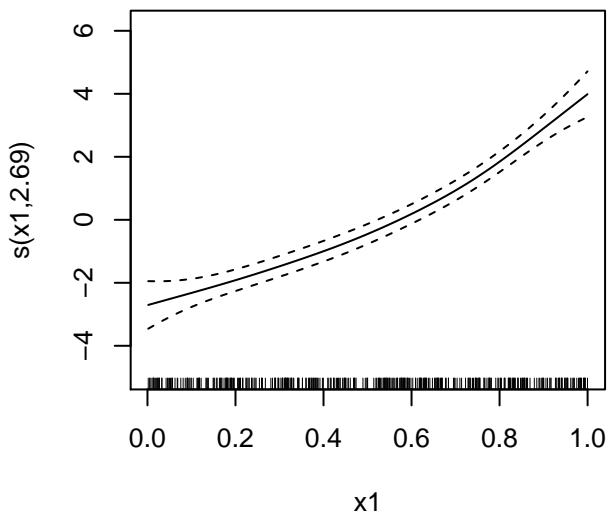
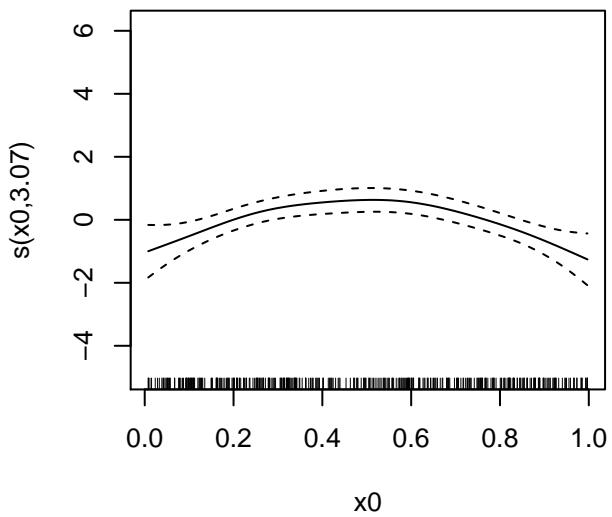
$s(x1,1.58):fac1$



$s(x1,7.35):fac2$

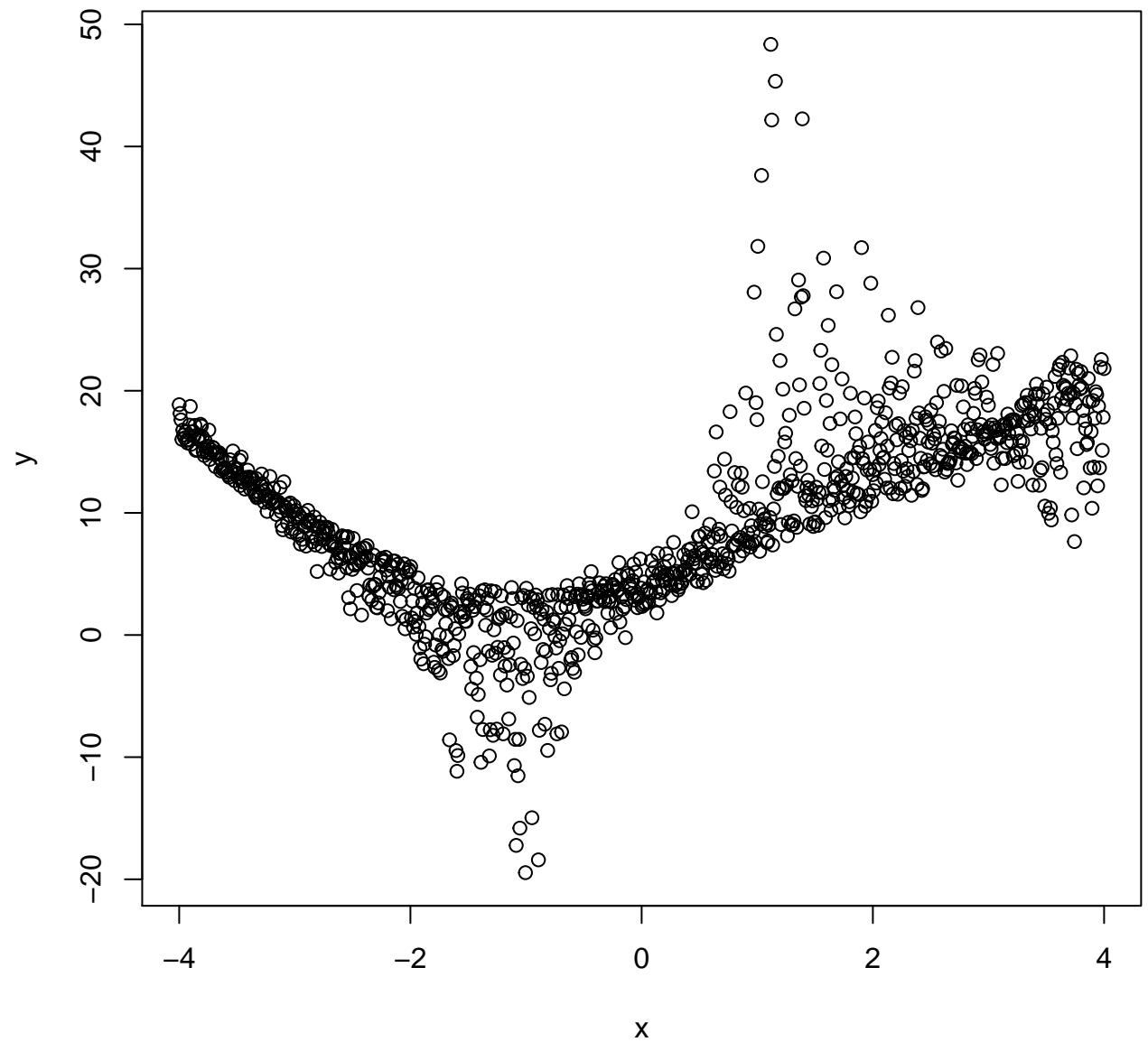


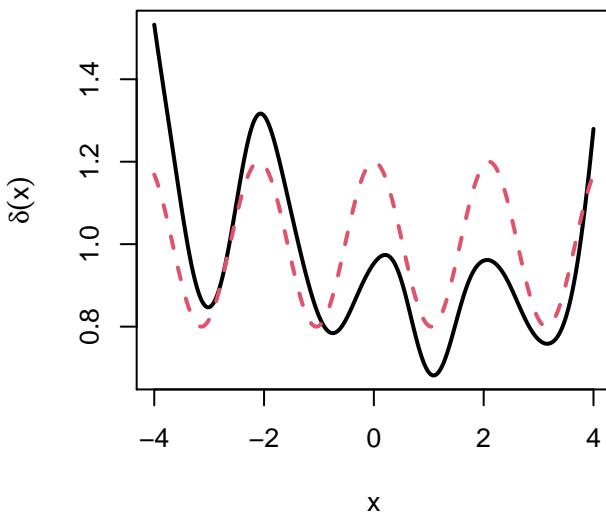
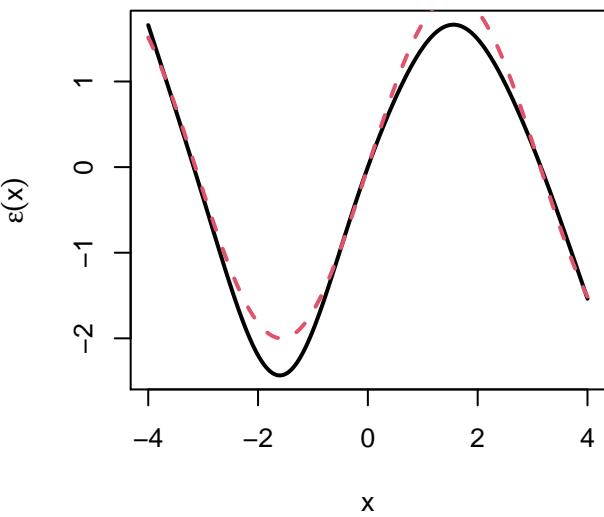
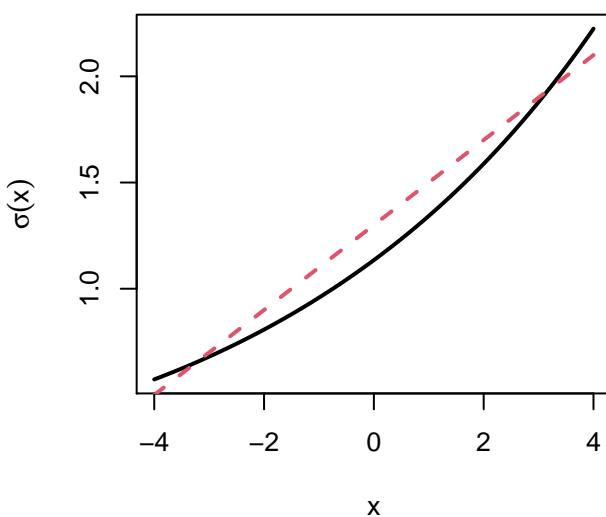
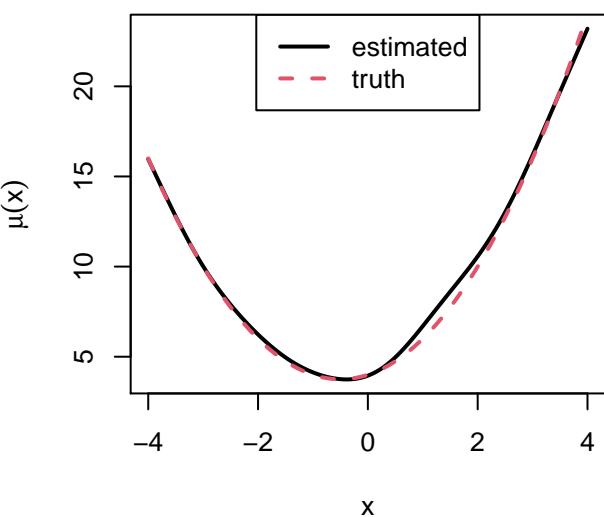
help("s")



help("scat")

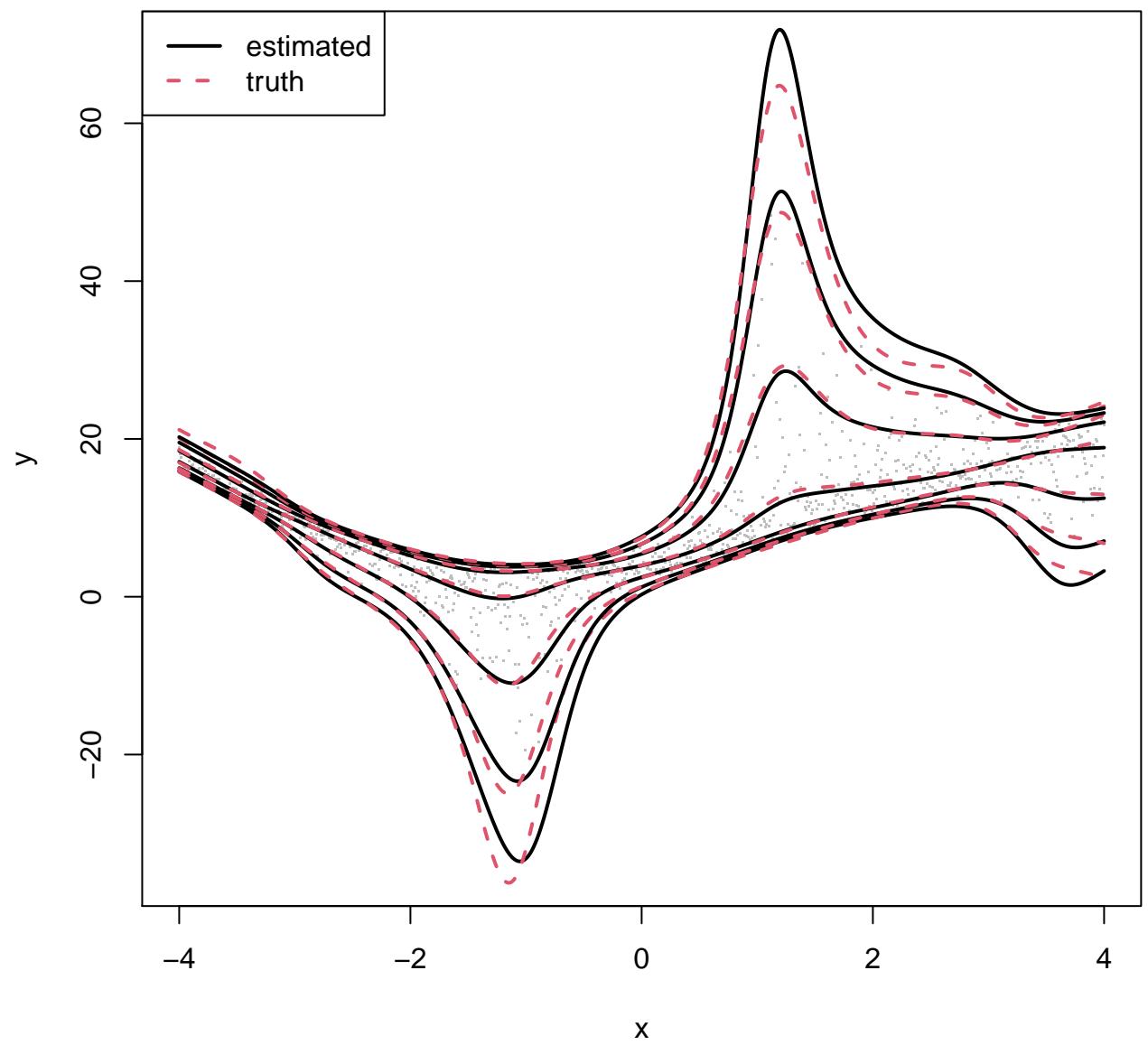
help("shash")



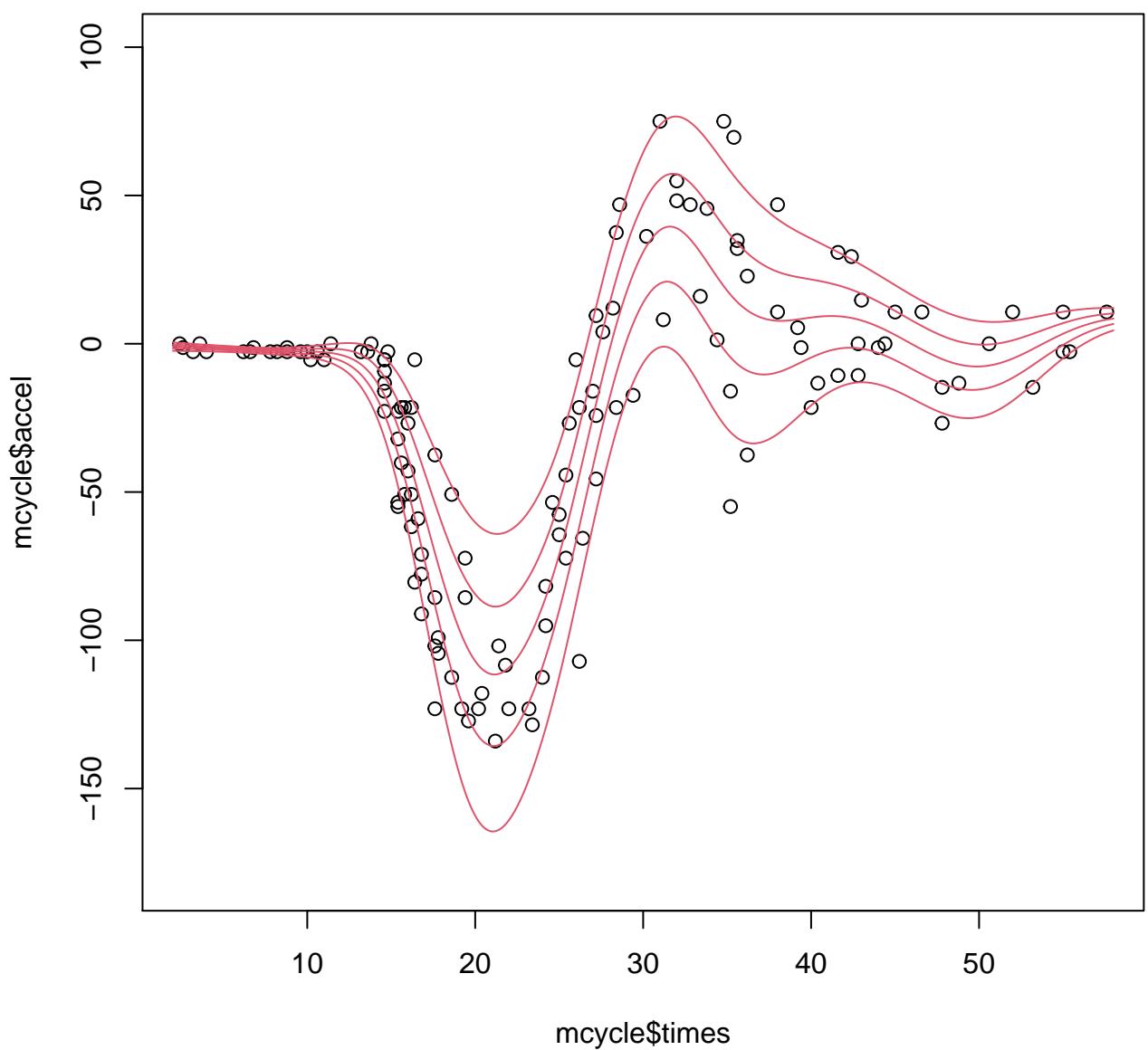


help("shash")

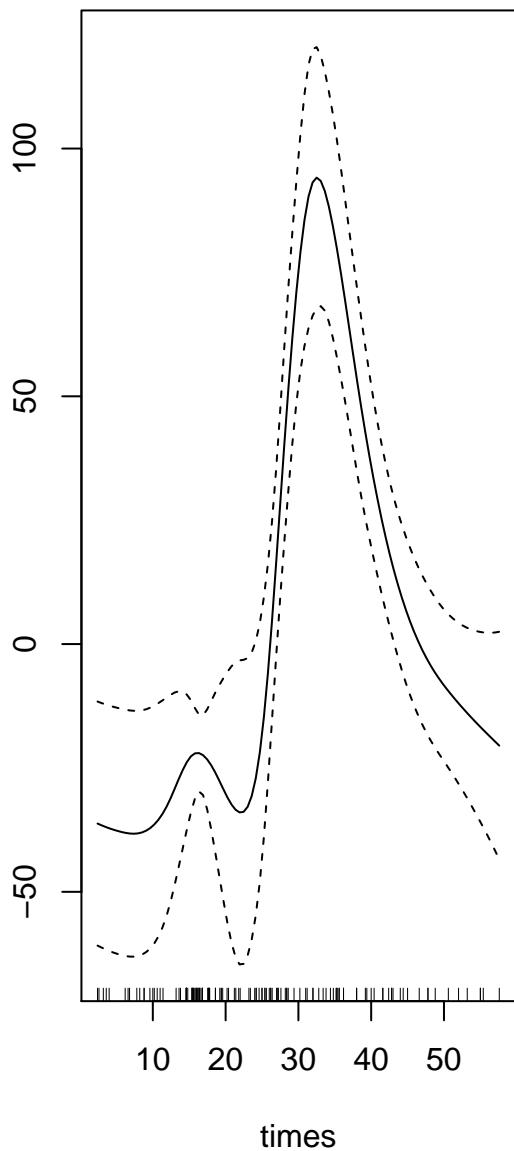
help("shash")



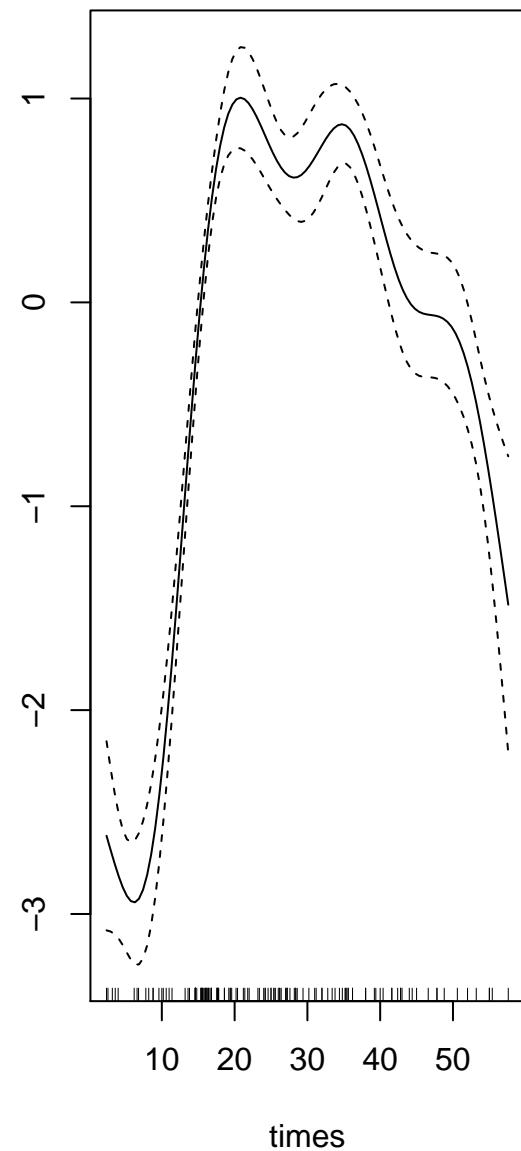
help("shash")



s(times,8.75)

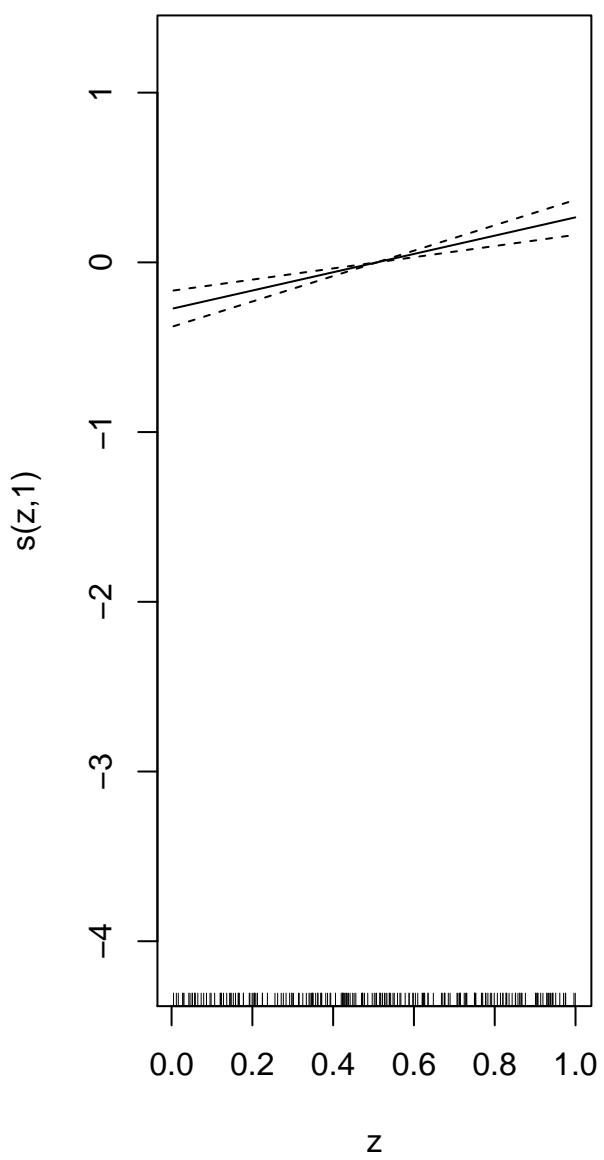
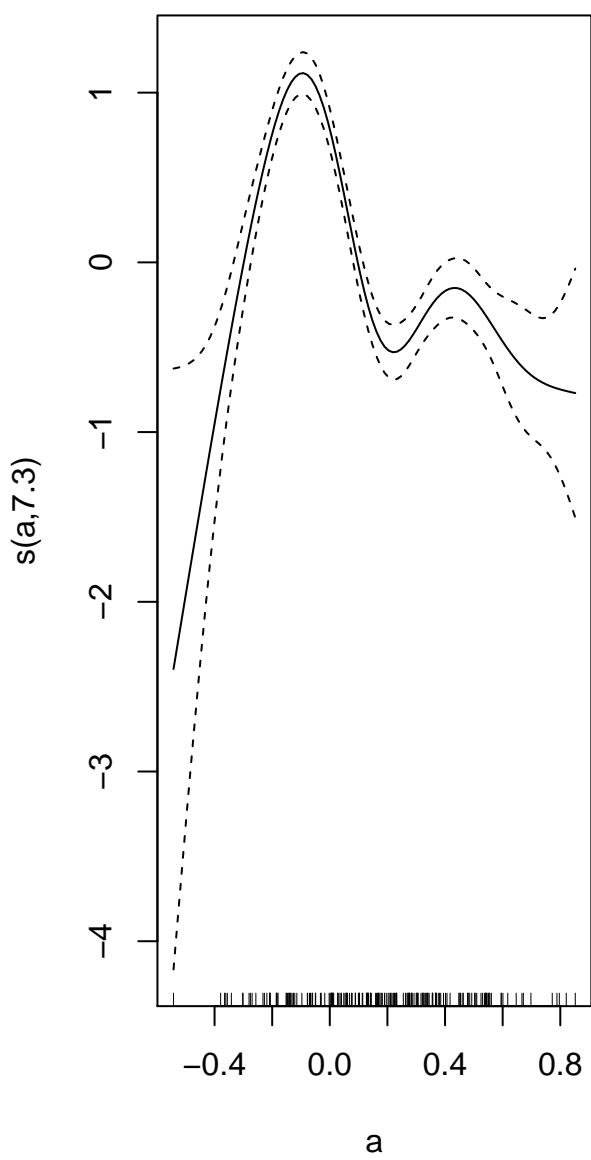


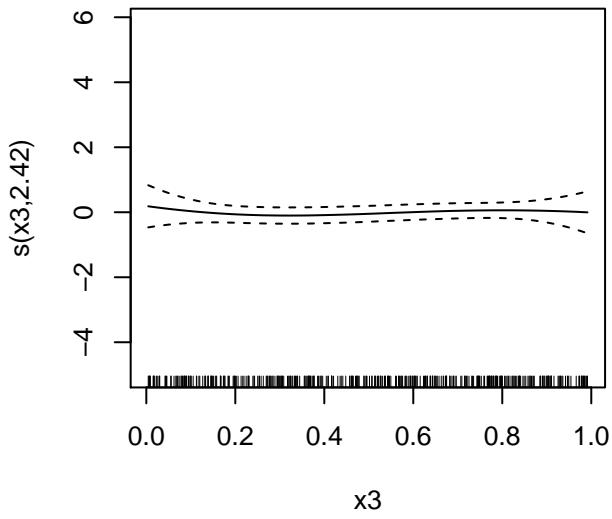
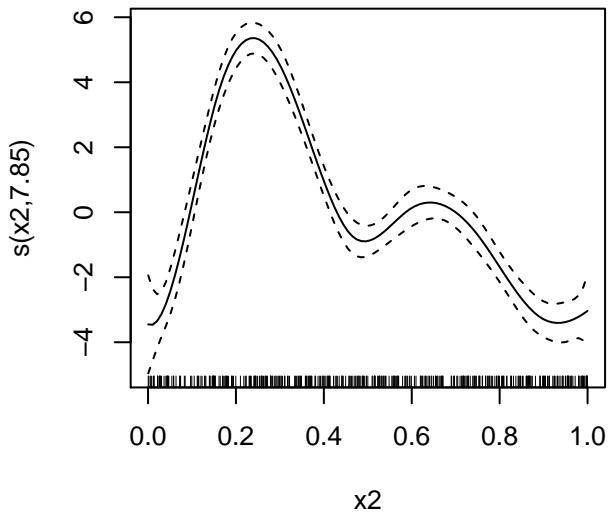
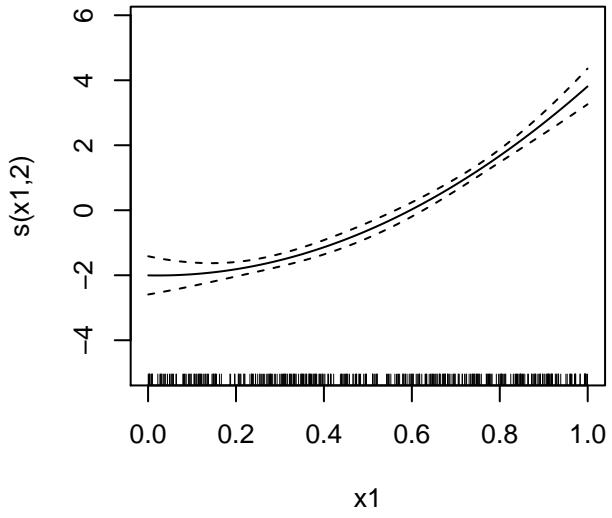
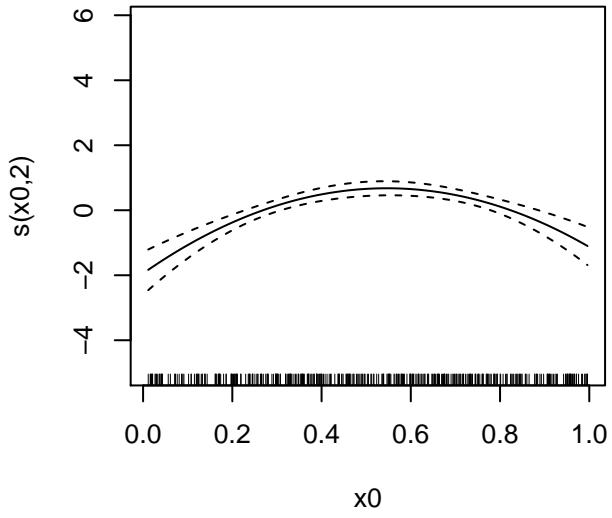
s.1(times,8.16)



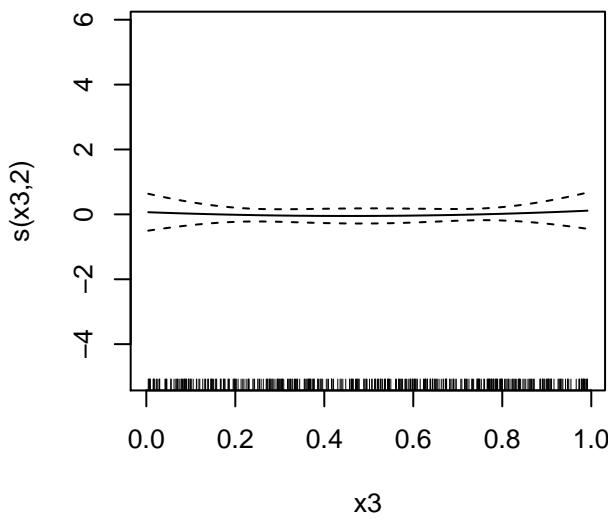
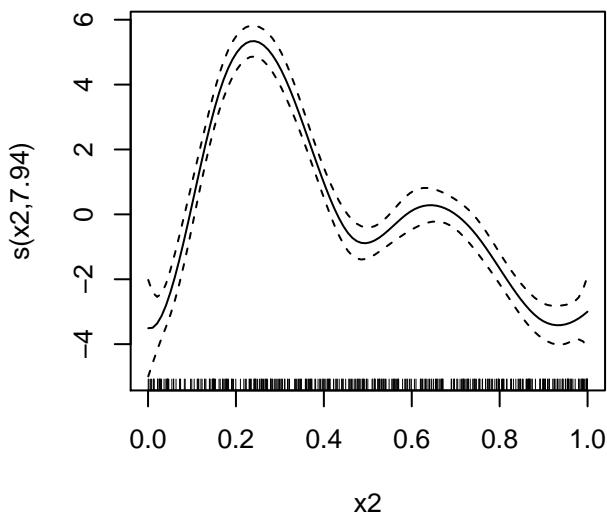
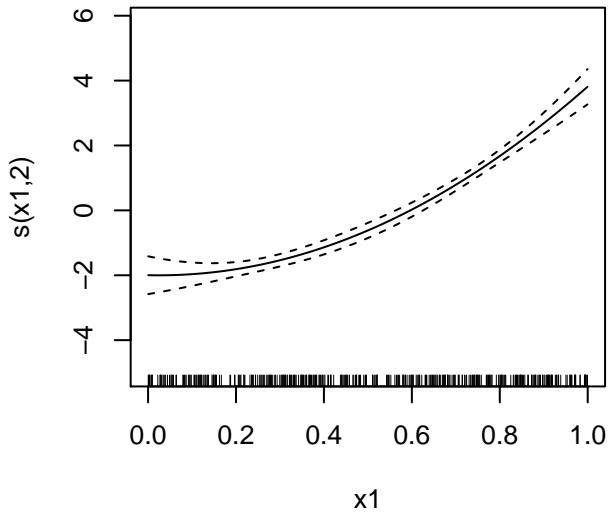
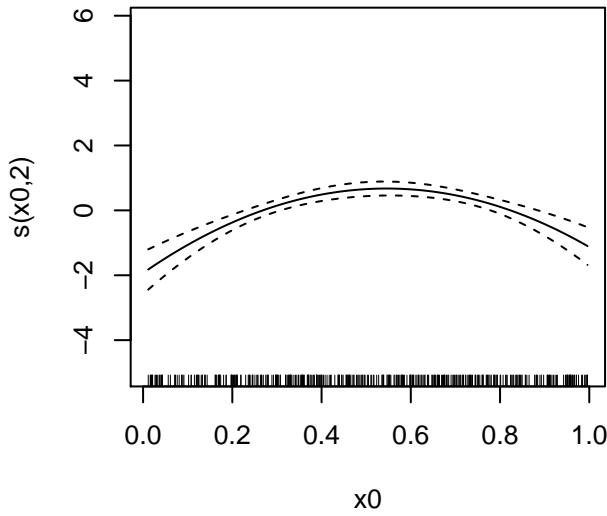
help("shash")

help("single.index")

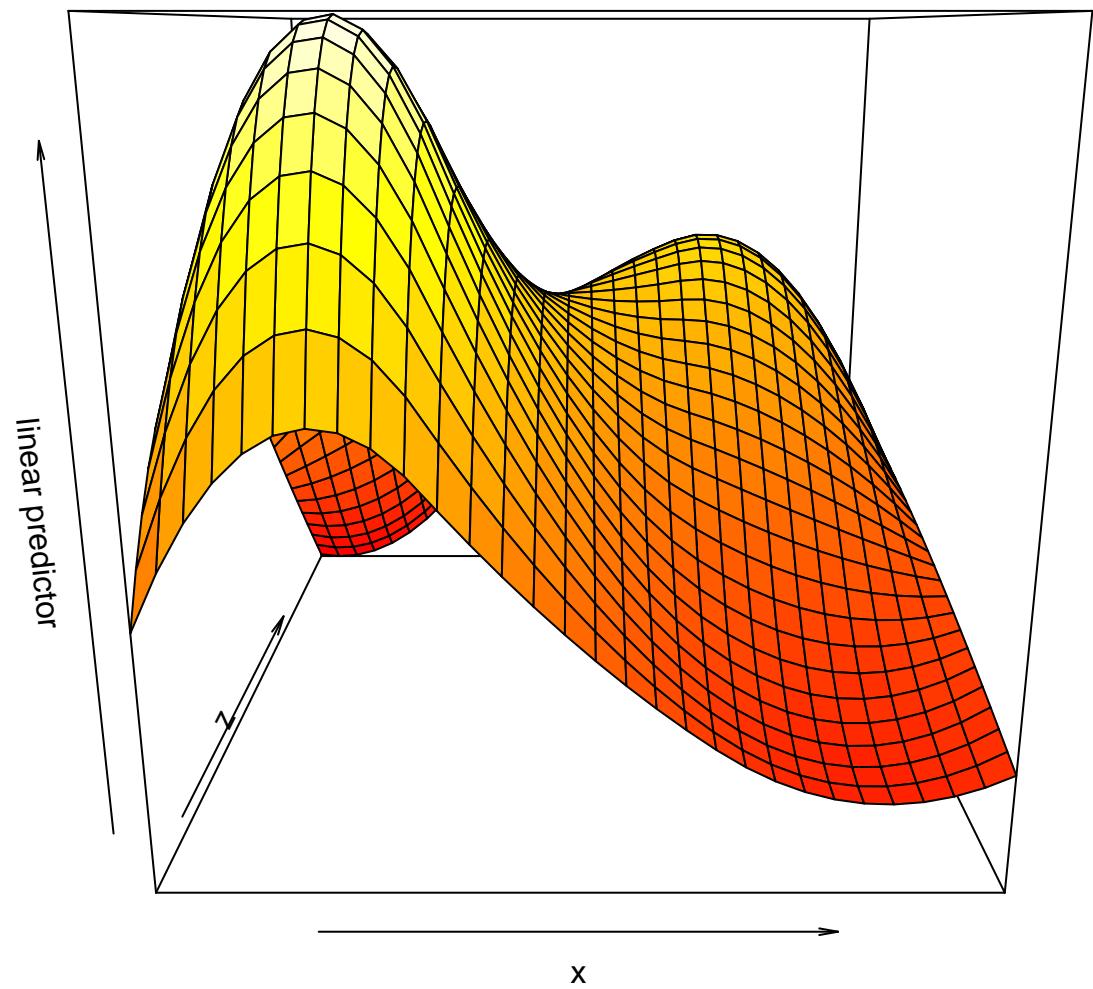




help("smooth.construct")

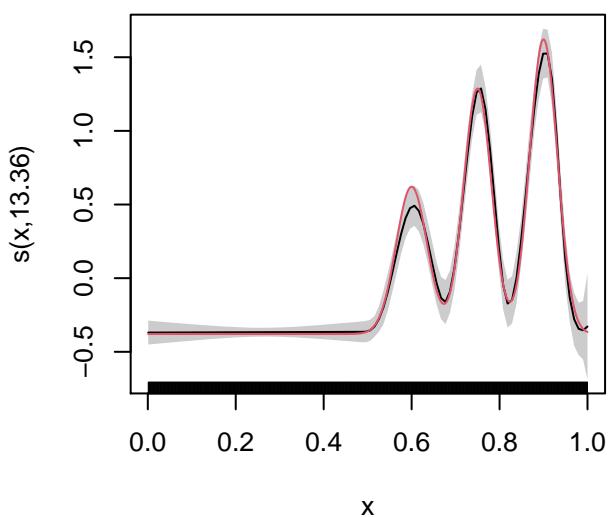


help("smooth.construct")

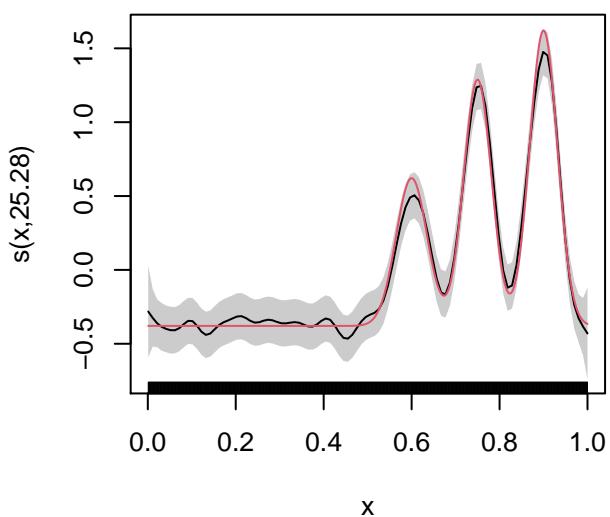


help("smooth.construct")

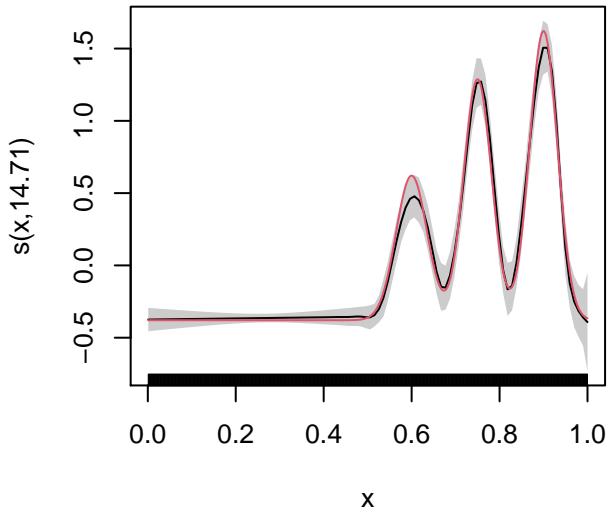
**0.9963**



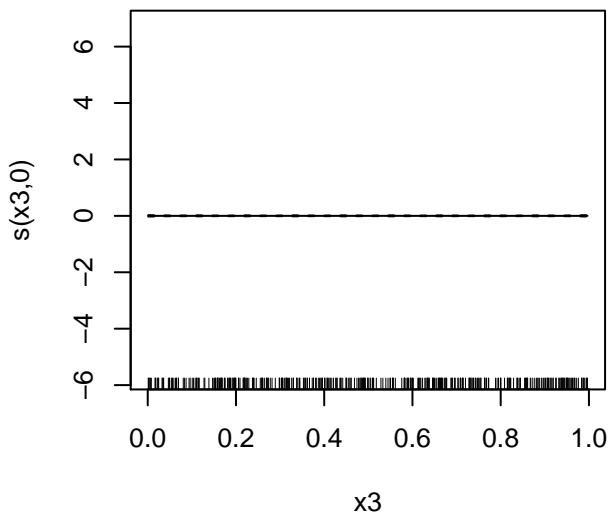
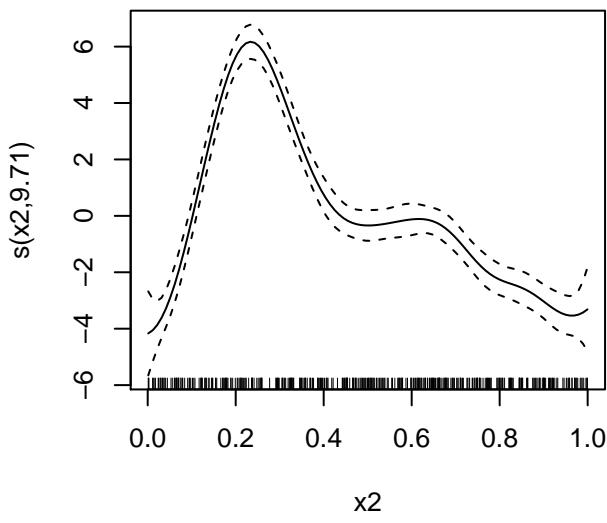
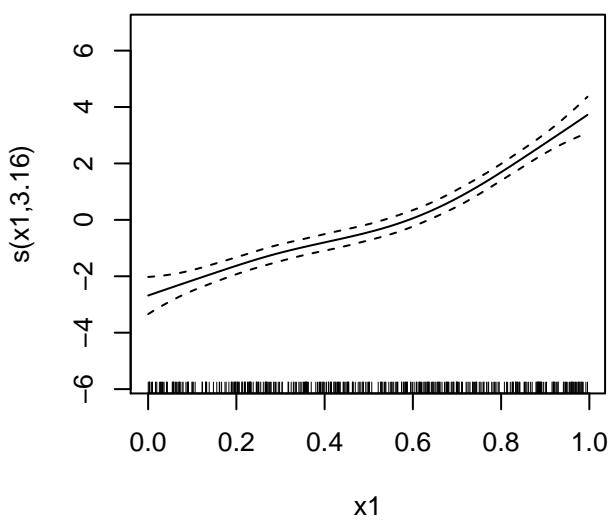
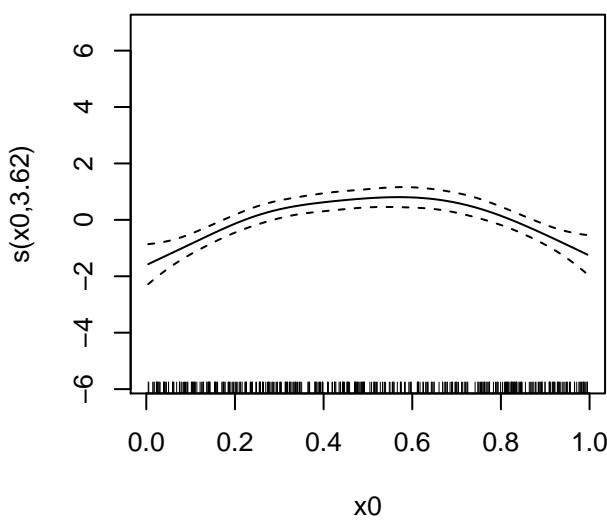
**0.9957**



**0.9959**

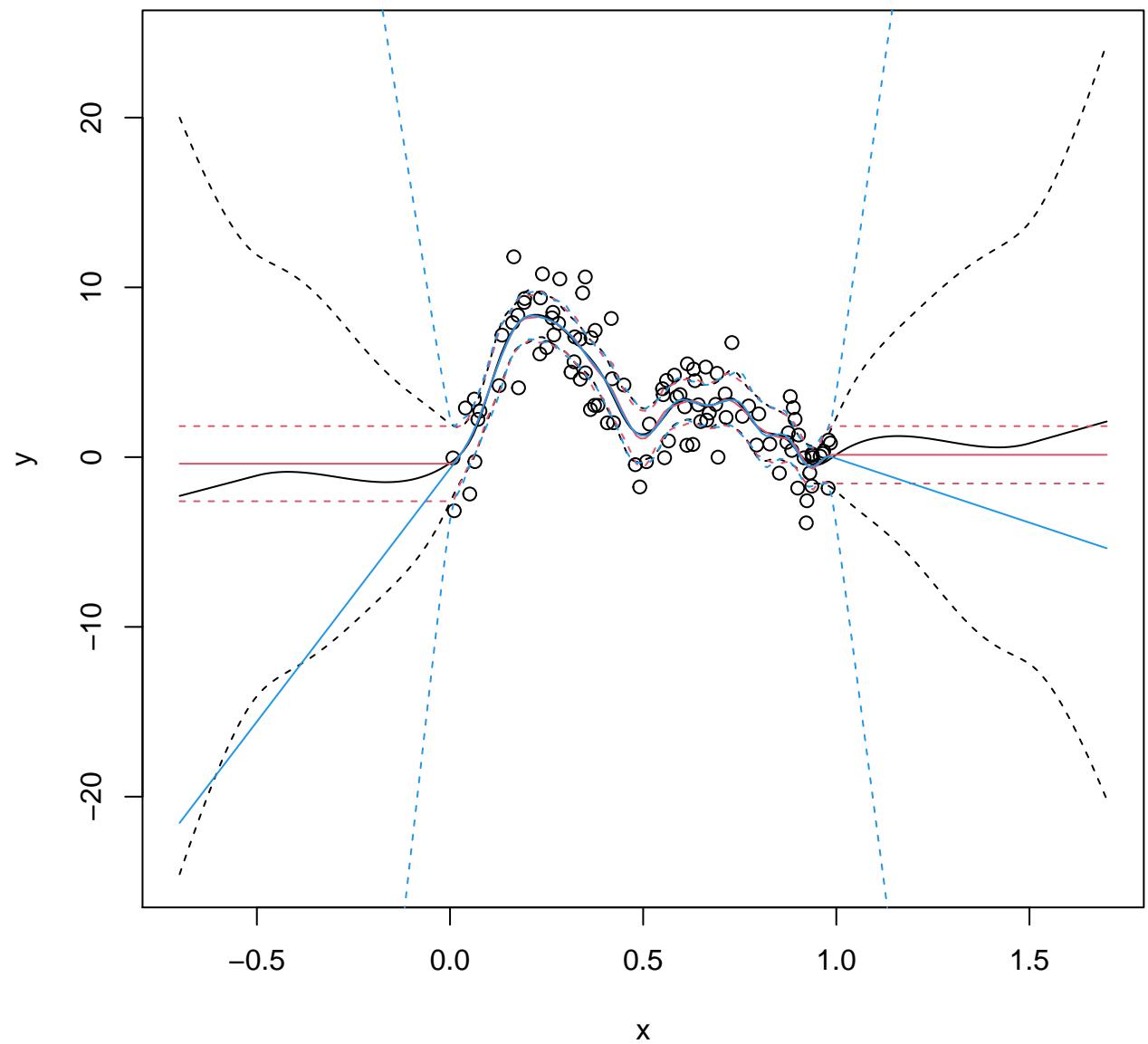


help("smooth.construct.ad.smooth.spec")

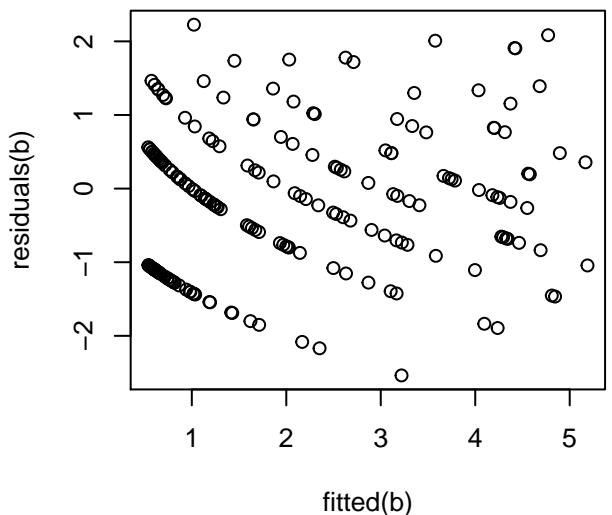
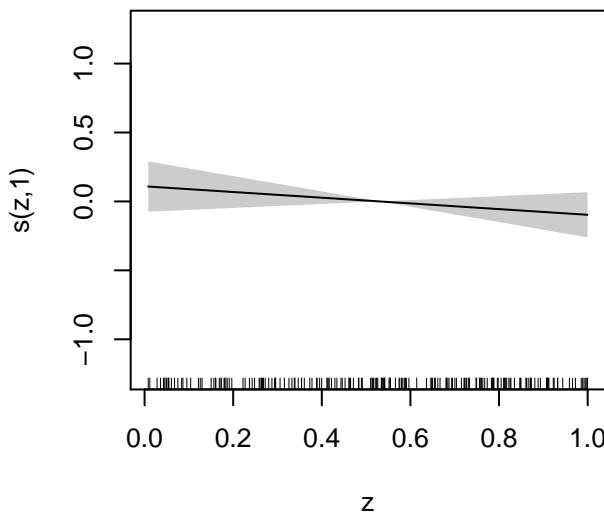
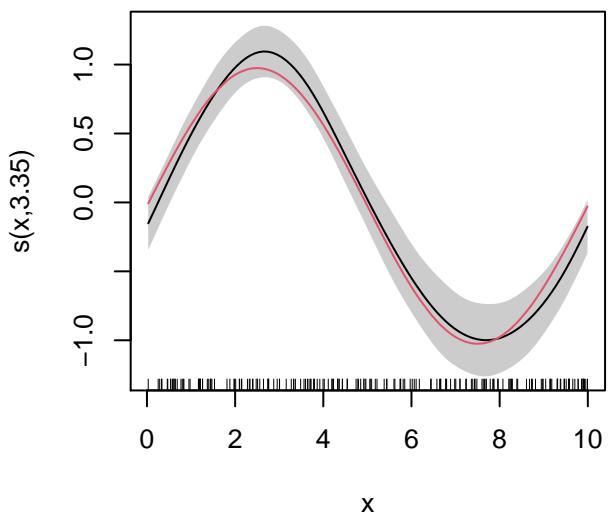
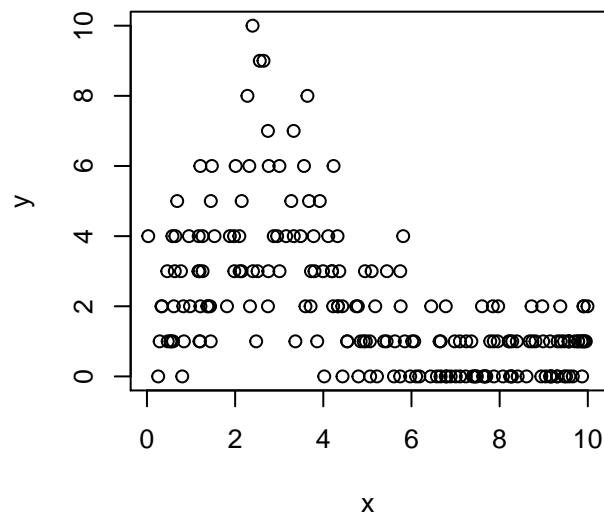


help("smooth.construct.bs.smooth.spec")

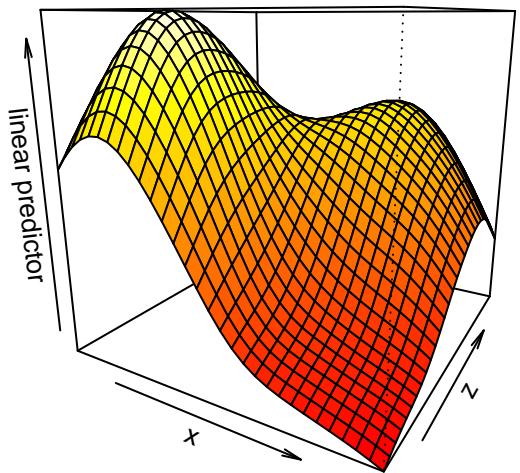
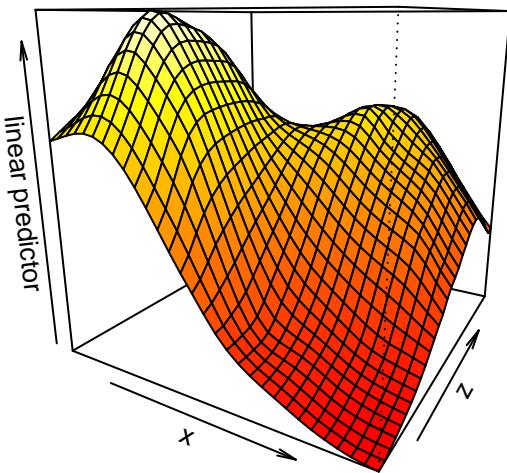
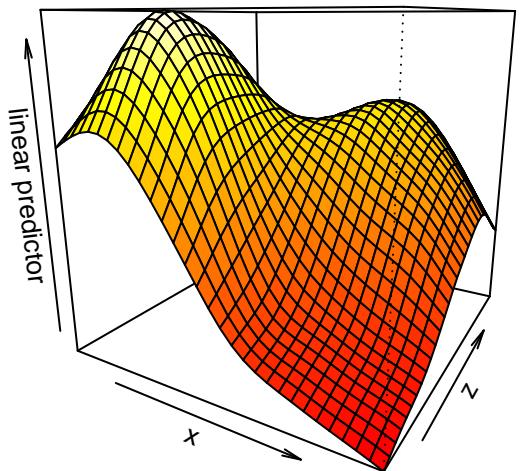
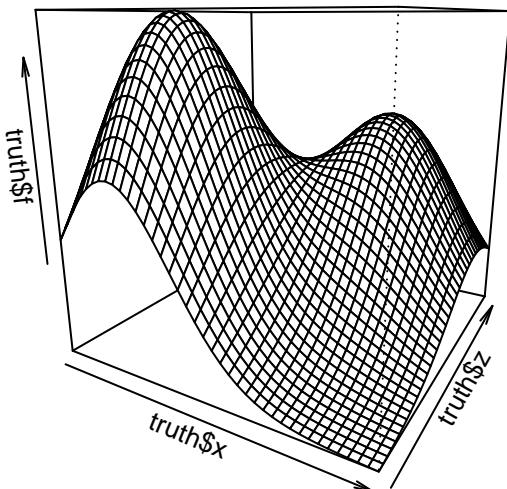
# Order 1 penalties: red tps; blue bs on (0,1); black bs on (-.5,1.5)



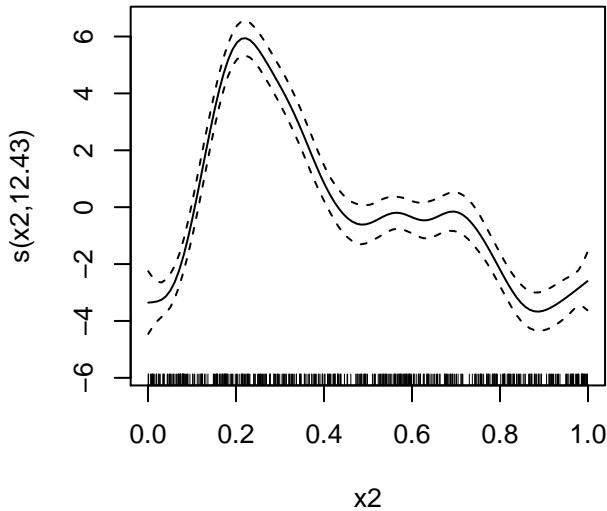
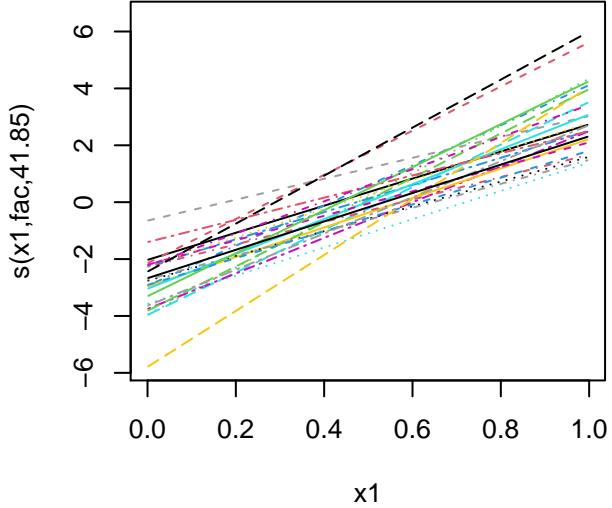
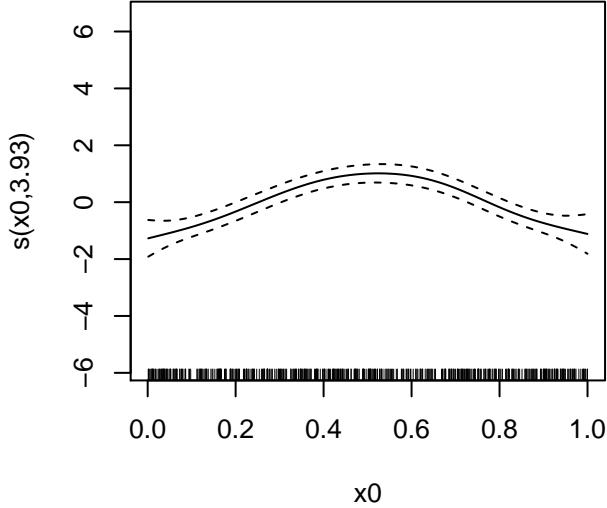
help("smooth.construct.bs.smooth.spec")



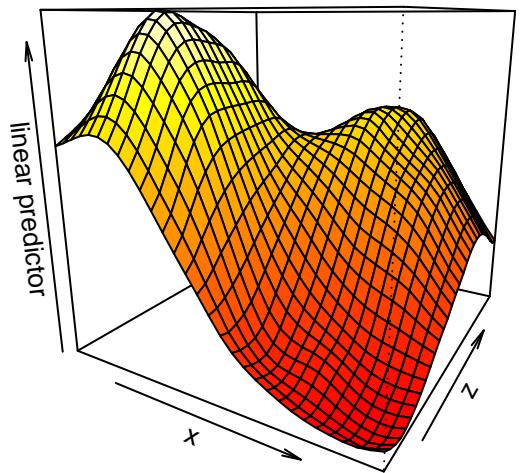
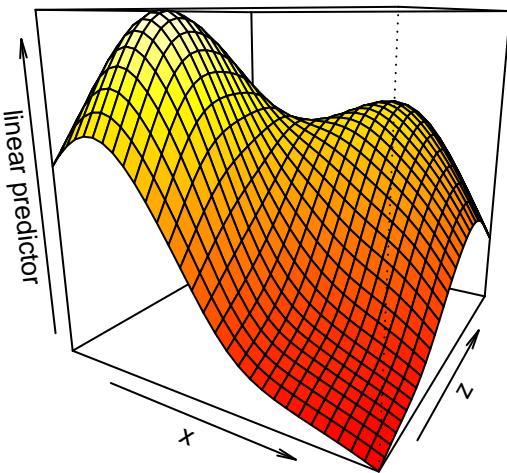
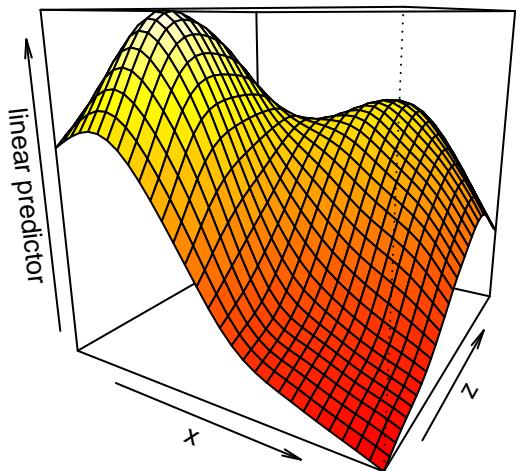
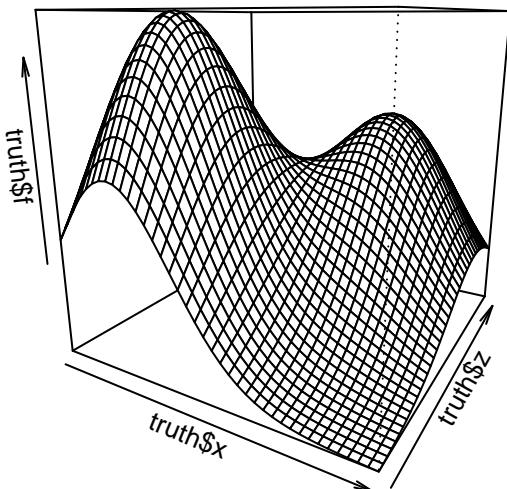
help("smooth.construct.cr.smooth.spec")



help("smooth.construct.spline.spec")



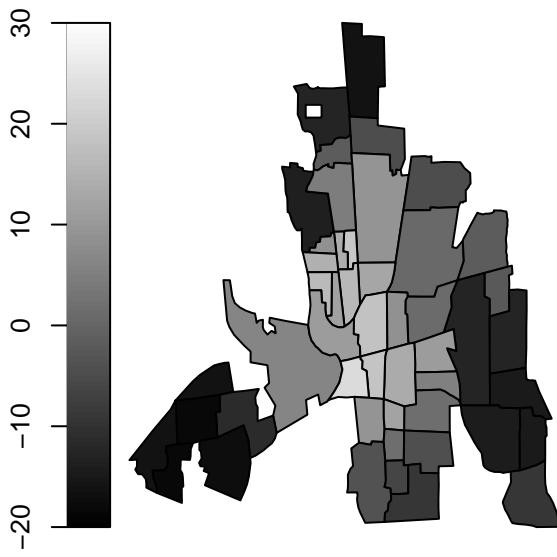
help("smooth.construct.fs.smooth.spec")



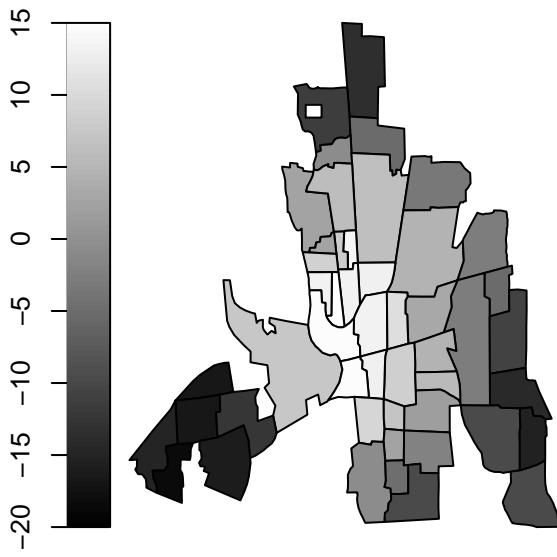
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`help("smooth.construct.mrf.smooth.spec")`

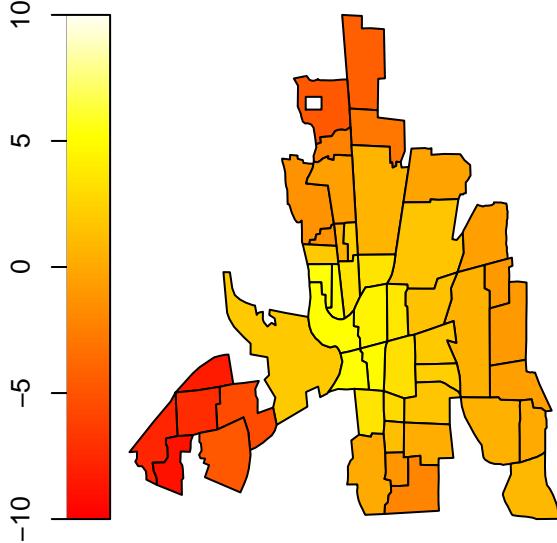
$s(\text{district}, 25.95)$



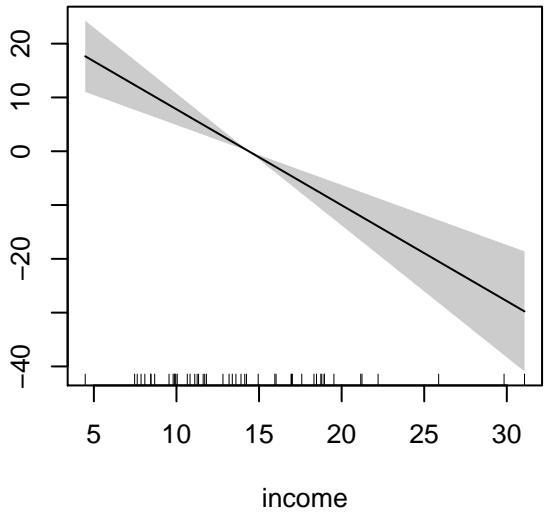
$s(\text{district}, 11.12)$

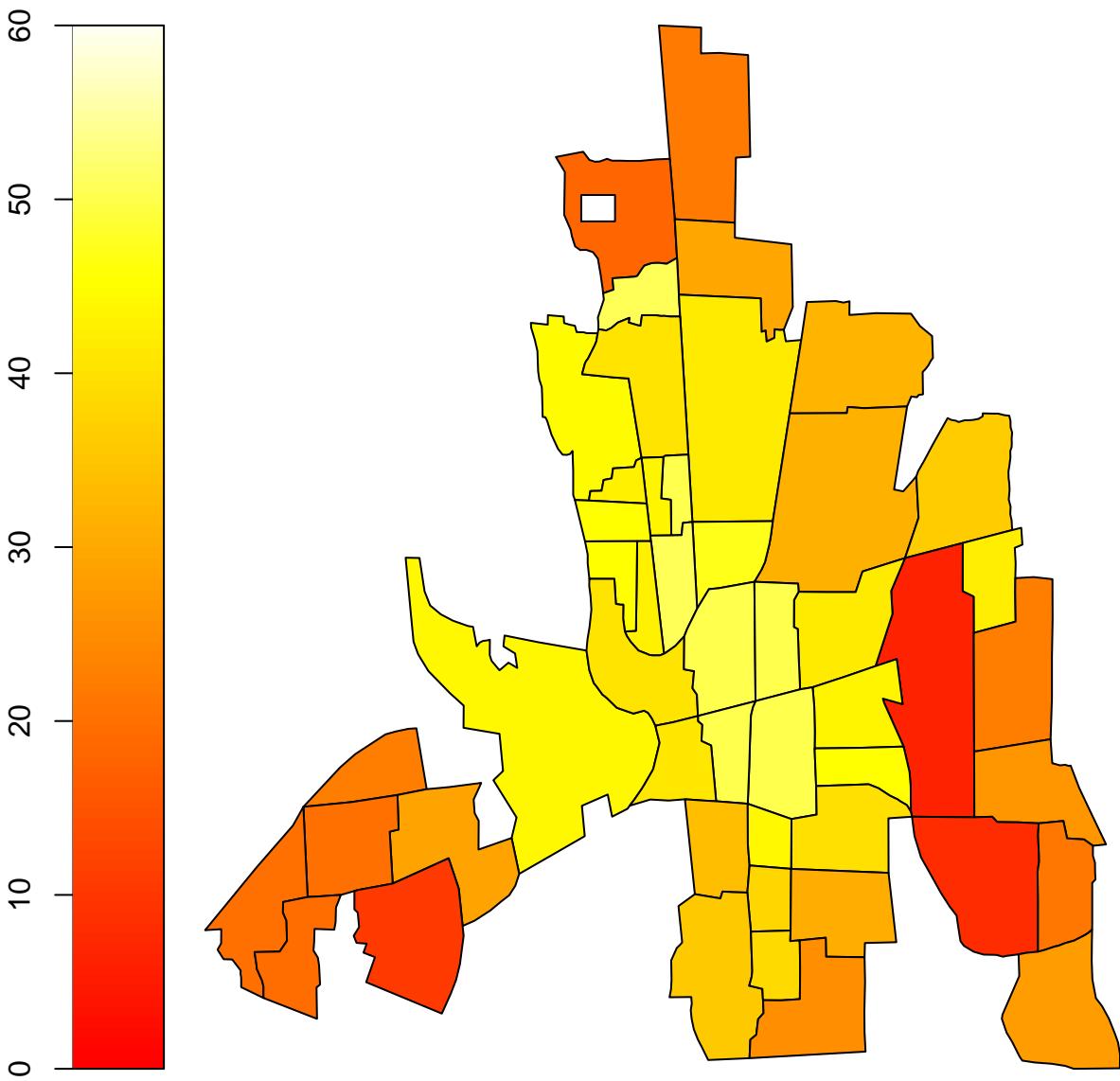


$s(\text{district}, 5.43)$



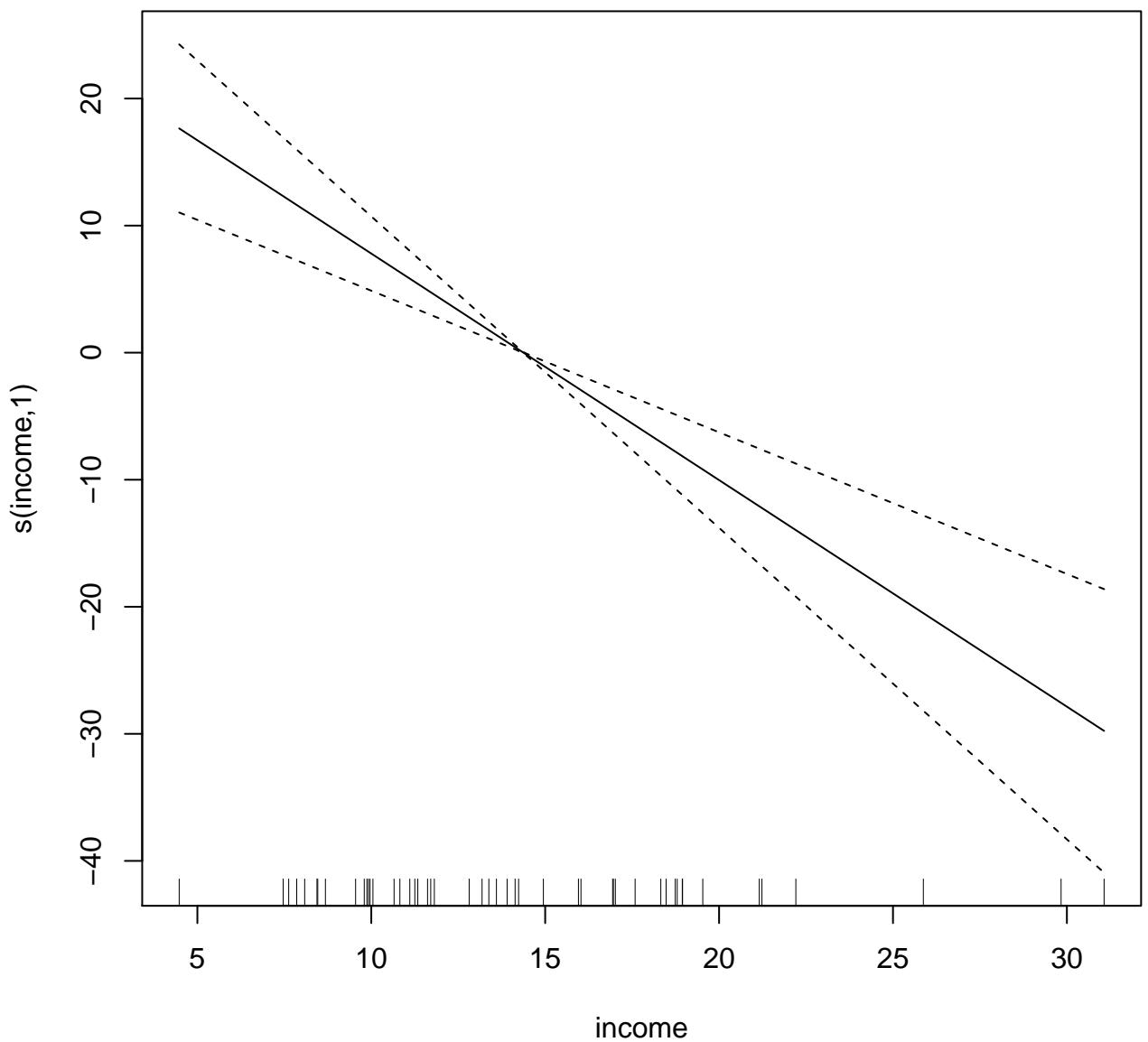
$s(\text{income}, 1)$



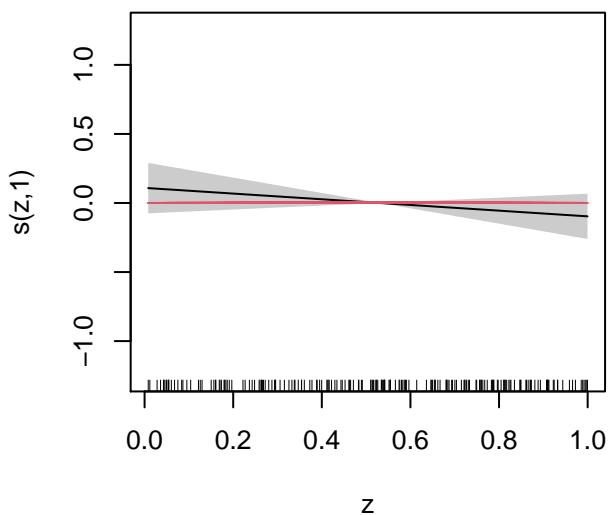
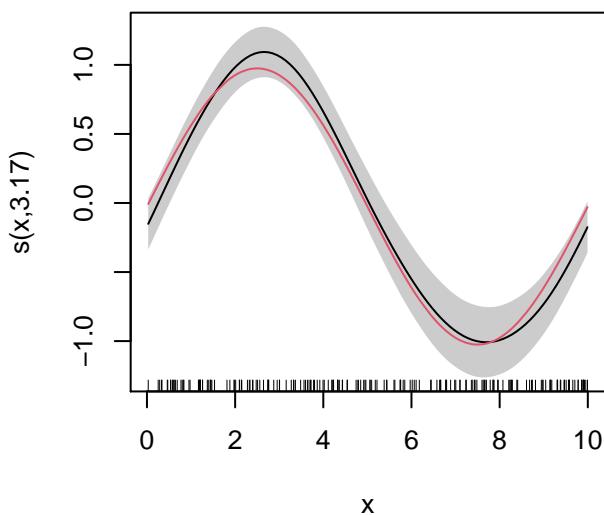
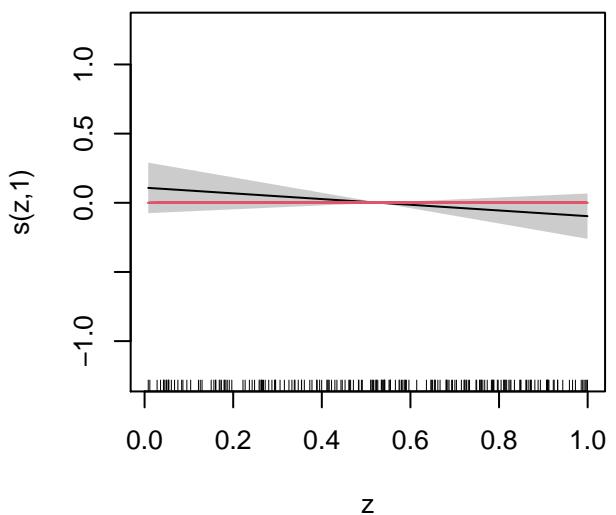
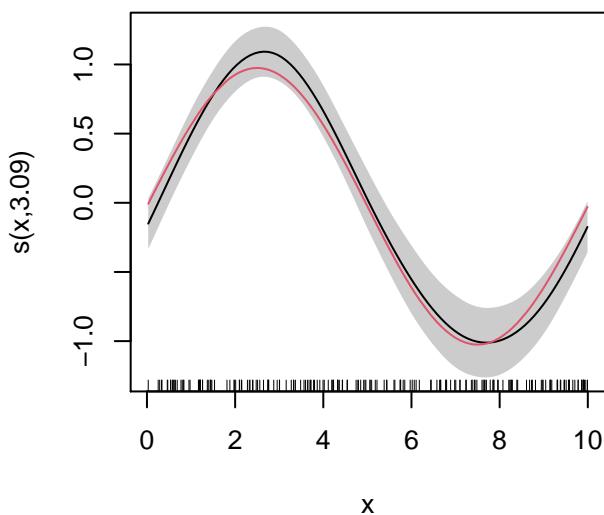


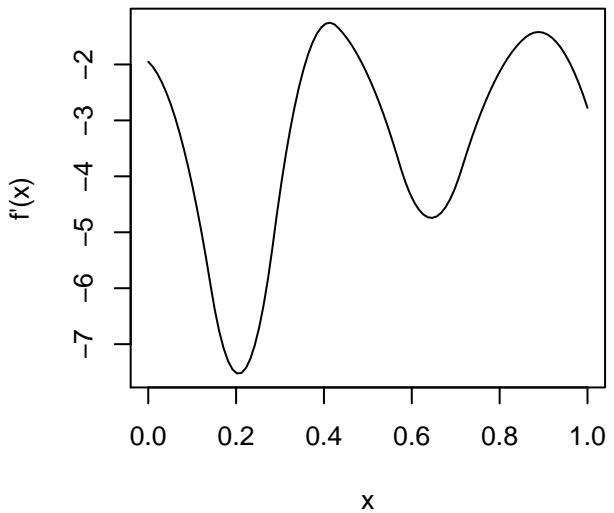
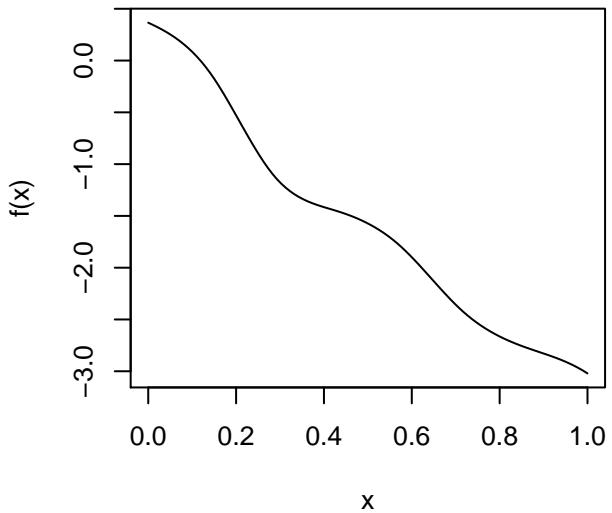
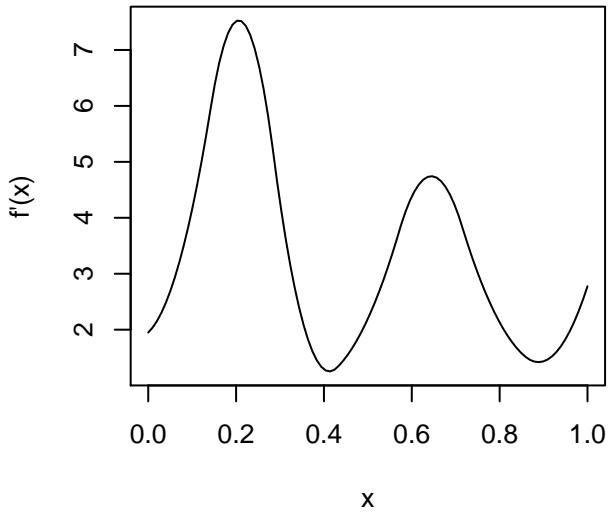
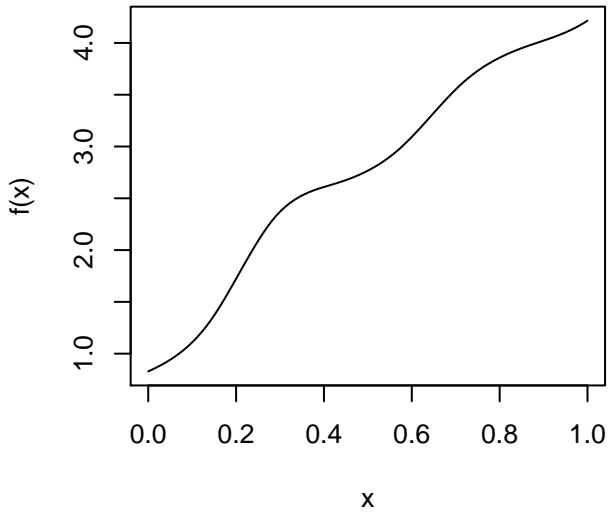
help("smooth.construct.mrf.smooth.spec")

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help("smooth.construct.mrf.smooth.spec")
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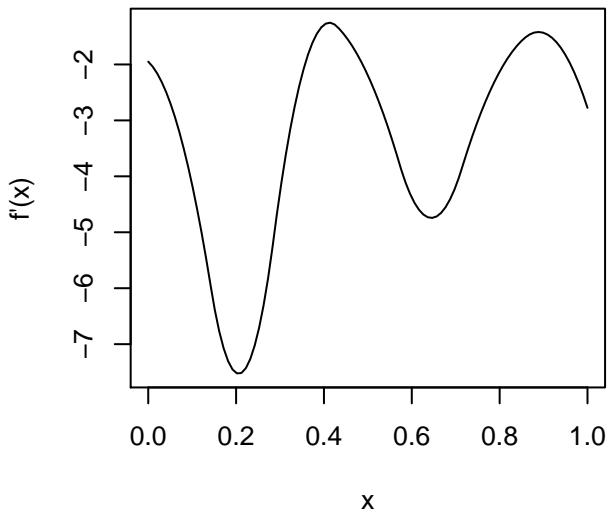
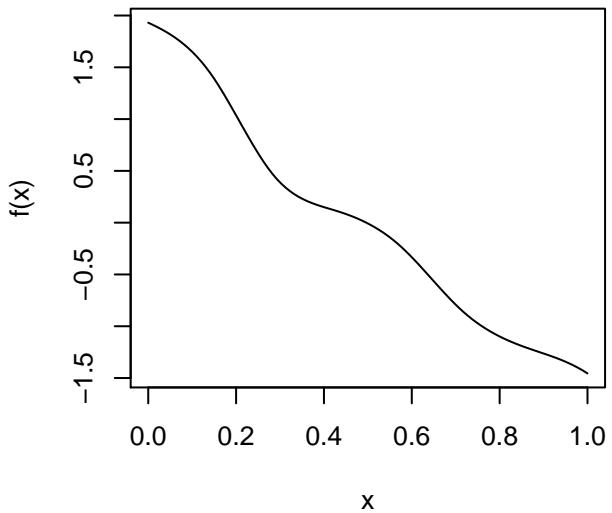
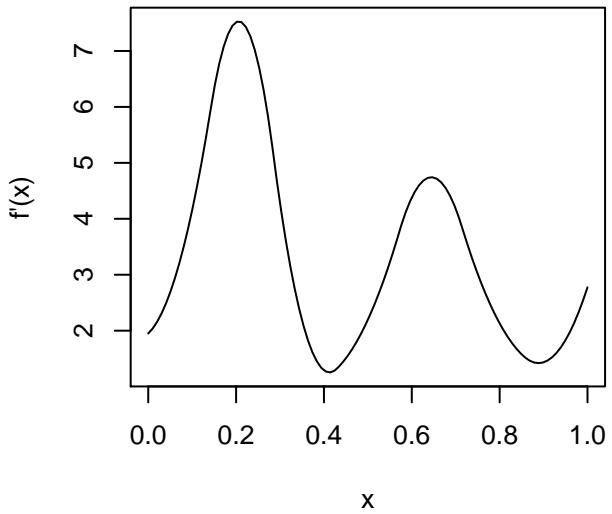
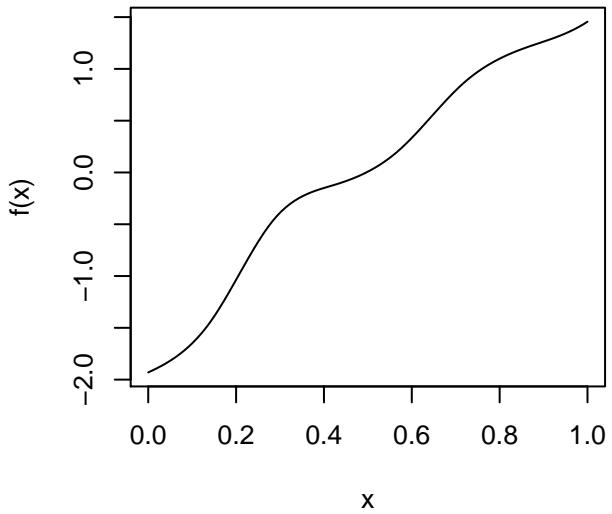


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help("smooth.construct.ps.smooth.spec")
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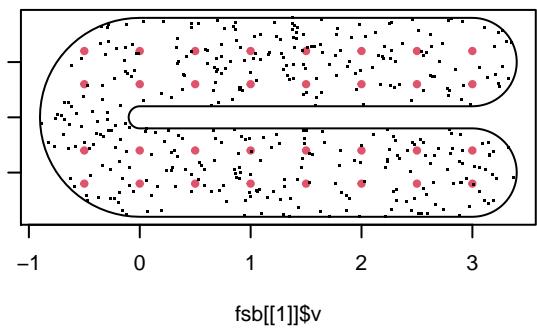
help("smooth.construct.ps.smooth.spec")



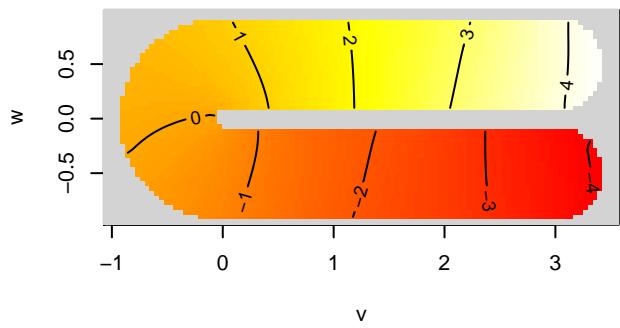
help("smooth.construct.ps.smooth.spec")

help("smooth.construct.smooth.spec")

fsb[[1]]\$w

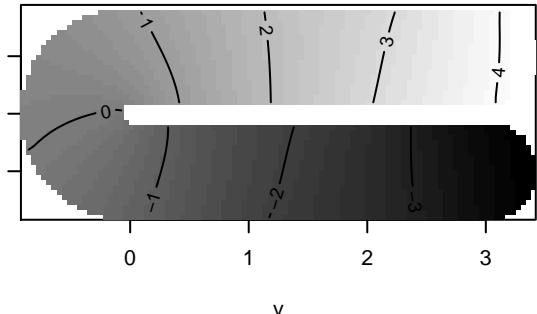


$s(v, w, 15.96)$

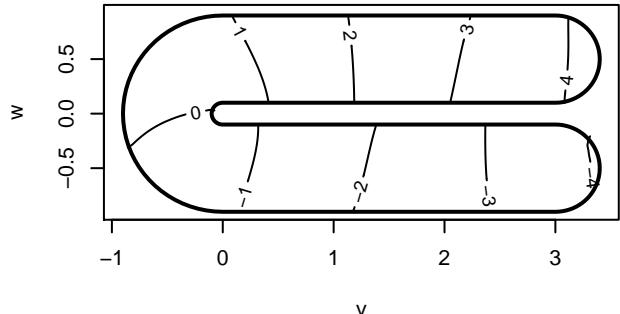


$s(v, w, 15.96)$

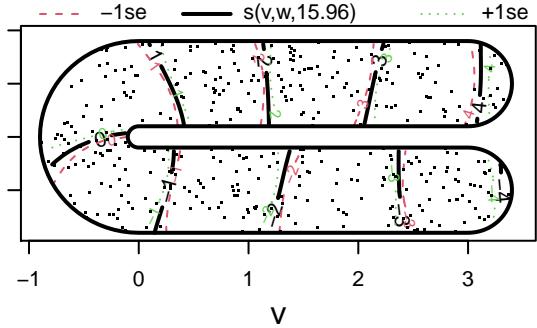
w



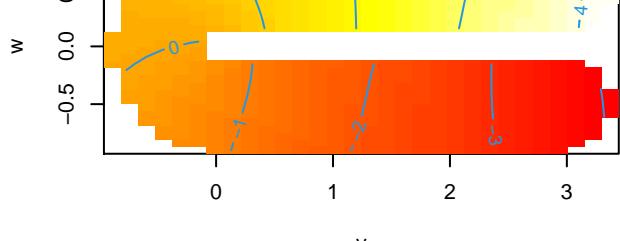
$s(v, w, 15.96)$



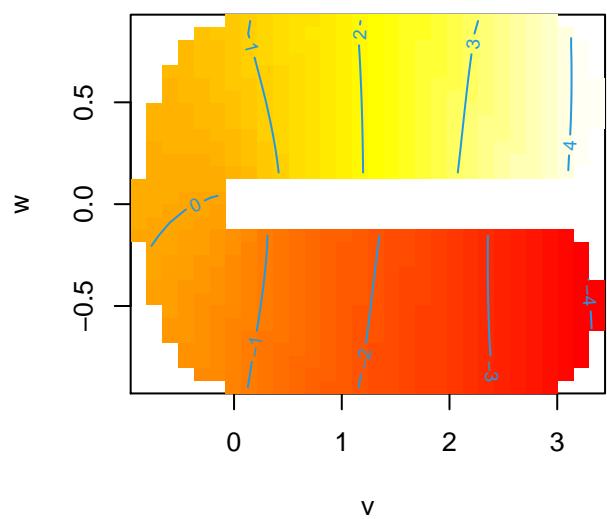
W



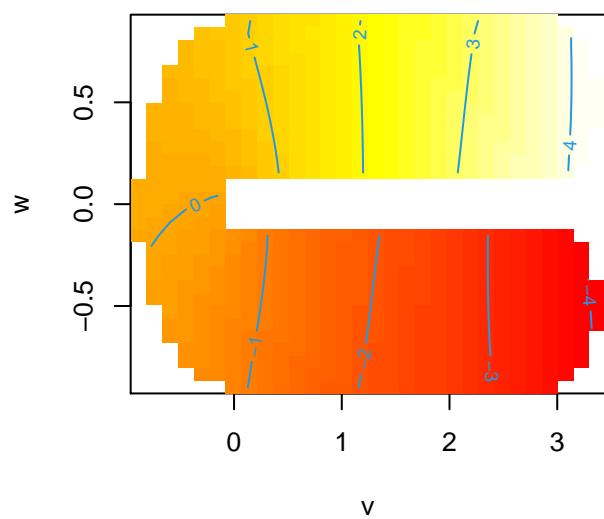
linear predictor



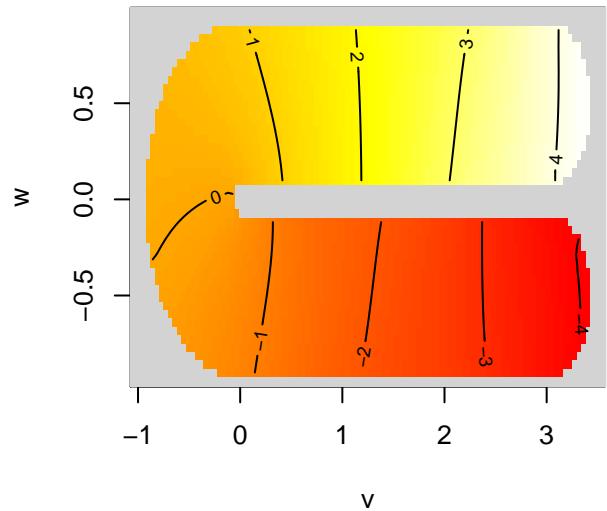
**linear predictor**



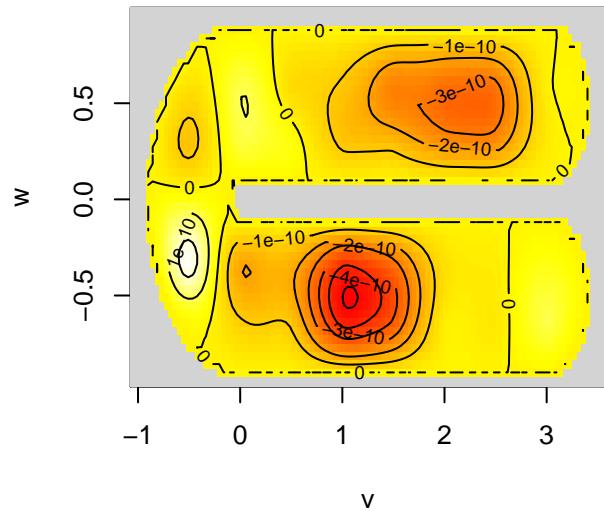
**linear predictor**



**$s(v,w,15.96)$**

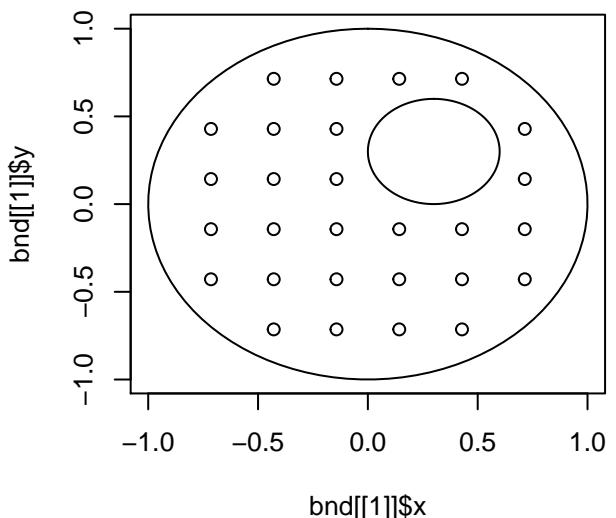
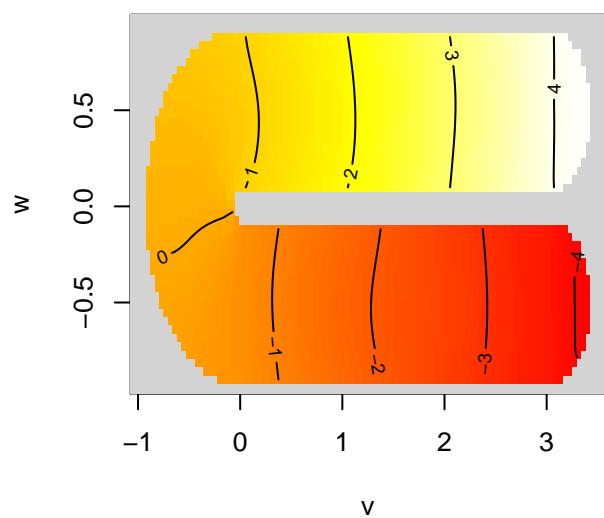


**$s(v,w,0)$**



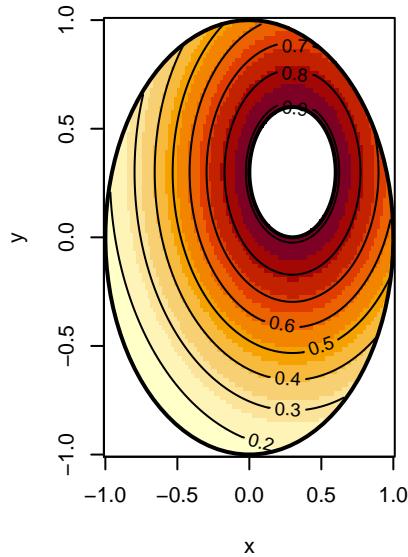
help("smooth.construct.smooth.spec")

$s(v, w, 8.4)$

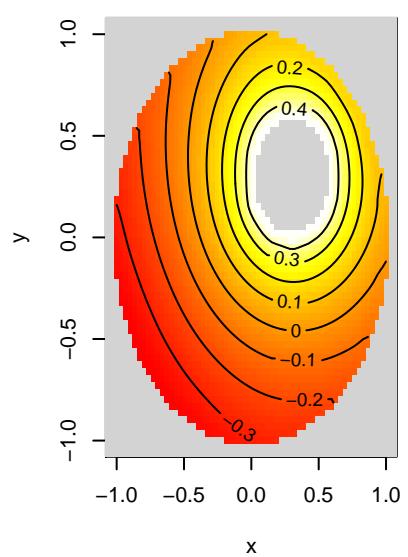


help("smooth.construct.so.smooth.spec")

$s(x,y,5.88)$

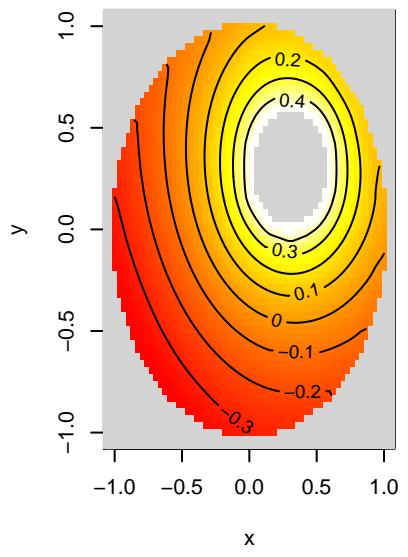


linear predictor

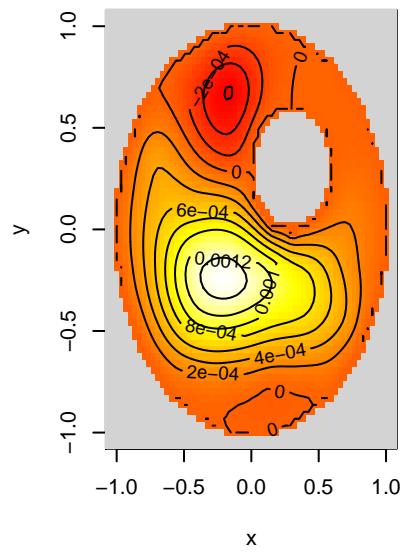


help("smooth.construct.smooth.spec")

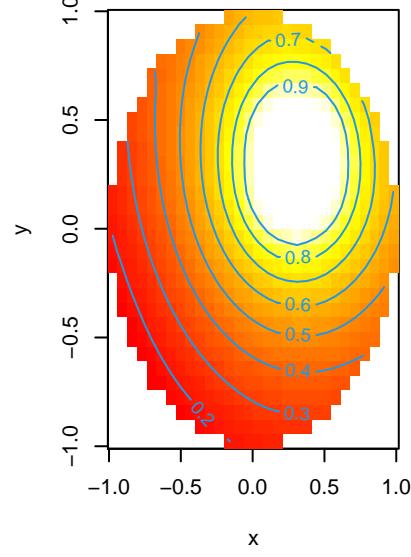
$s(x,y,5.73)$

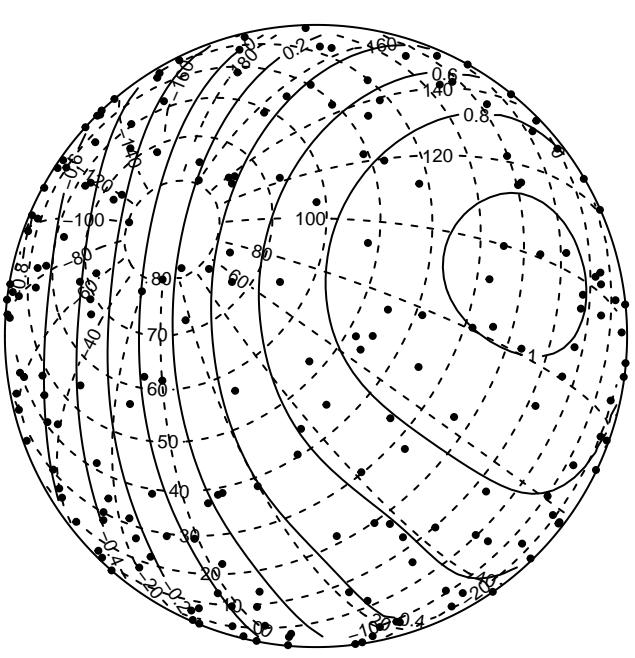
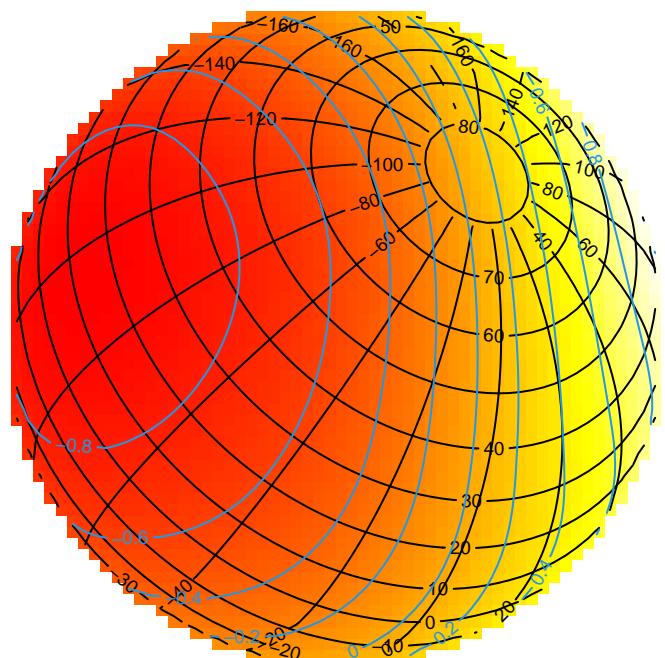
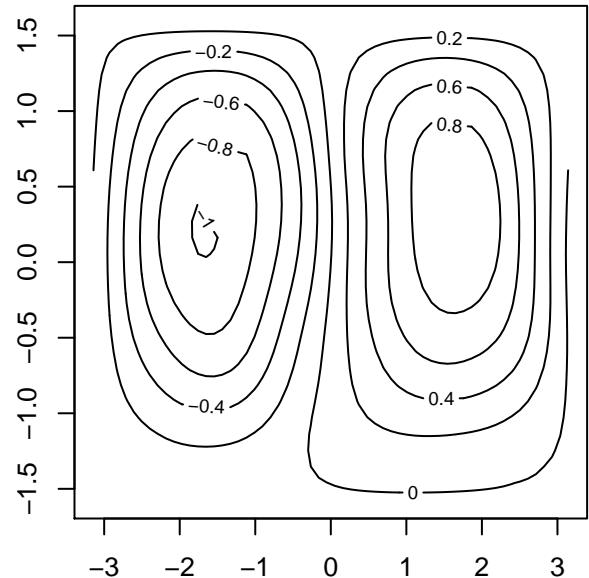
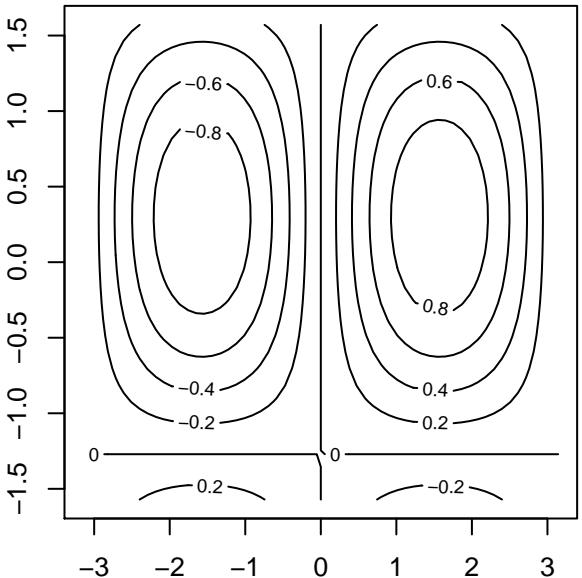


$s(x,y,0.15)$



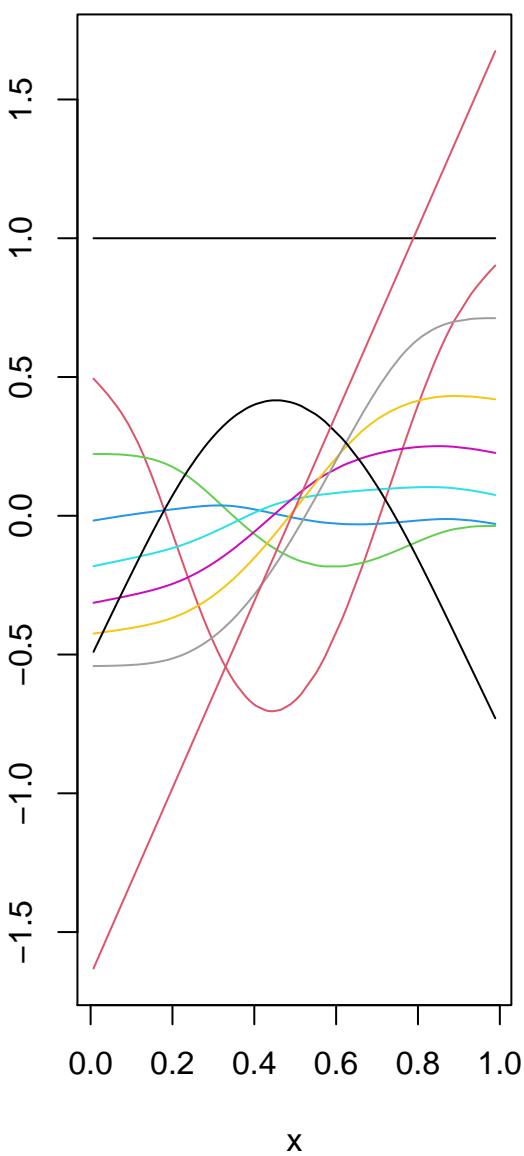
linear predictor





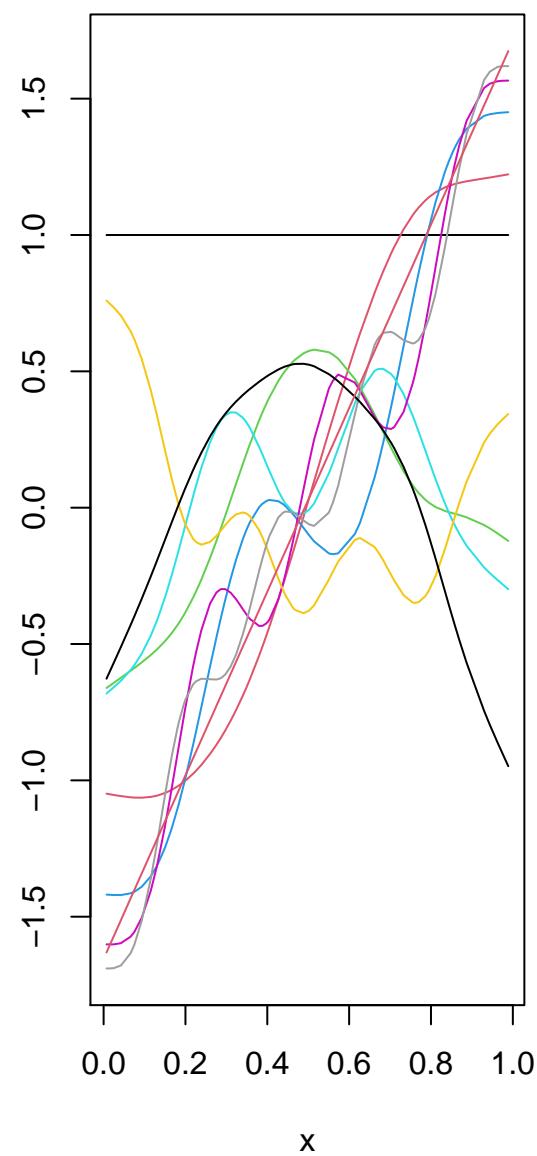
help("smooth.construct.sos.smooth.spec")

$x[1]$



$x$

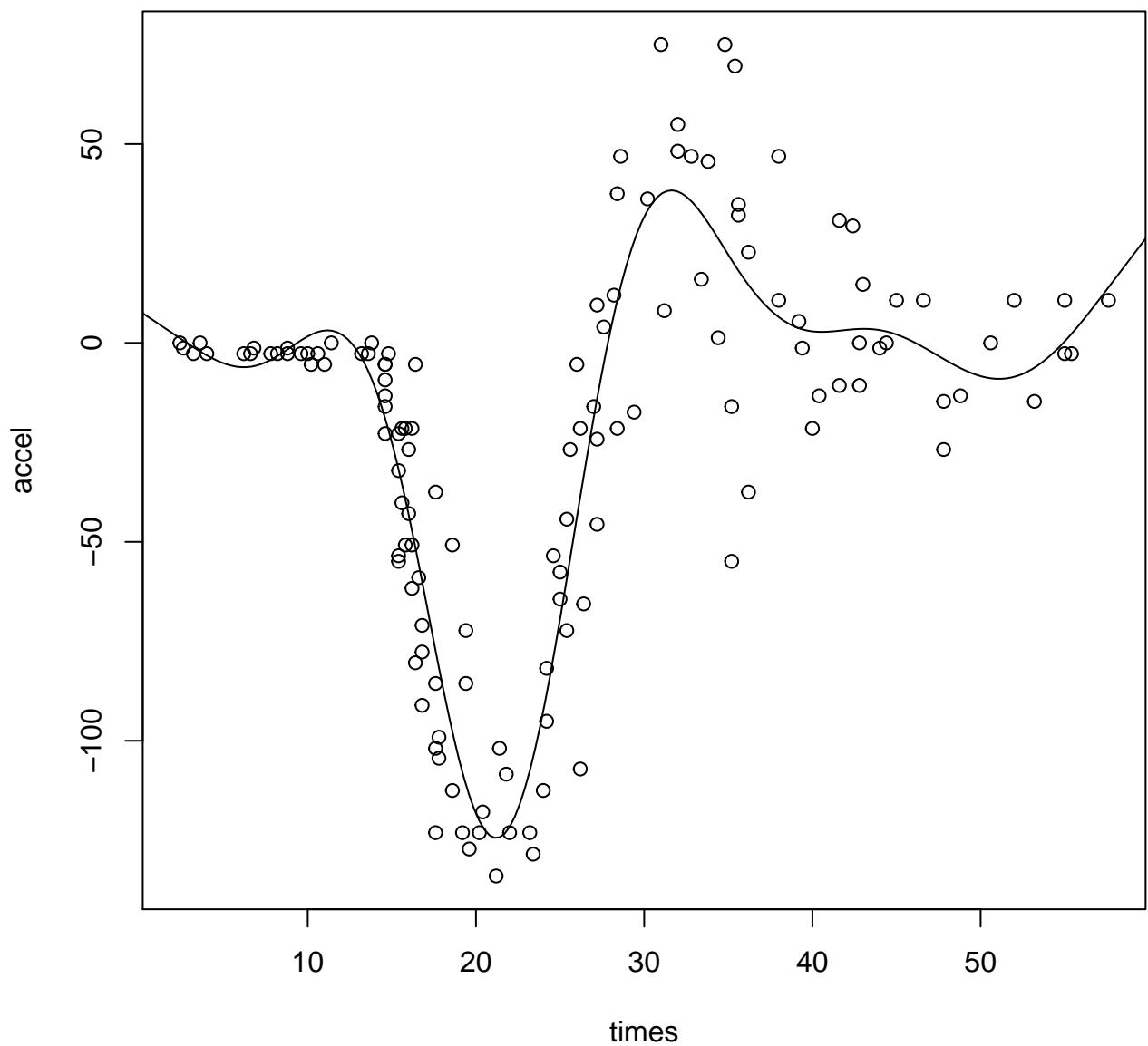
$x[1]$



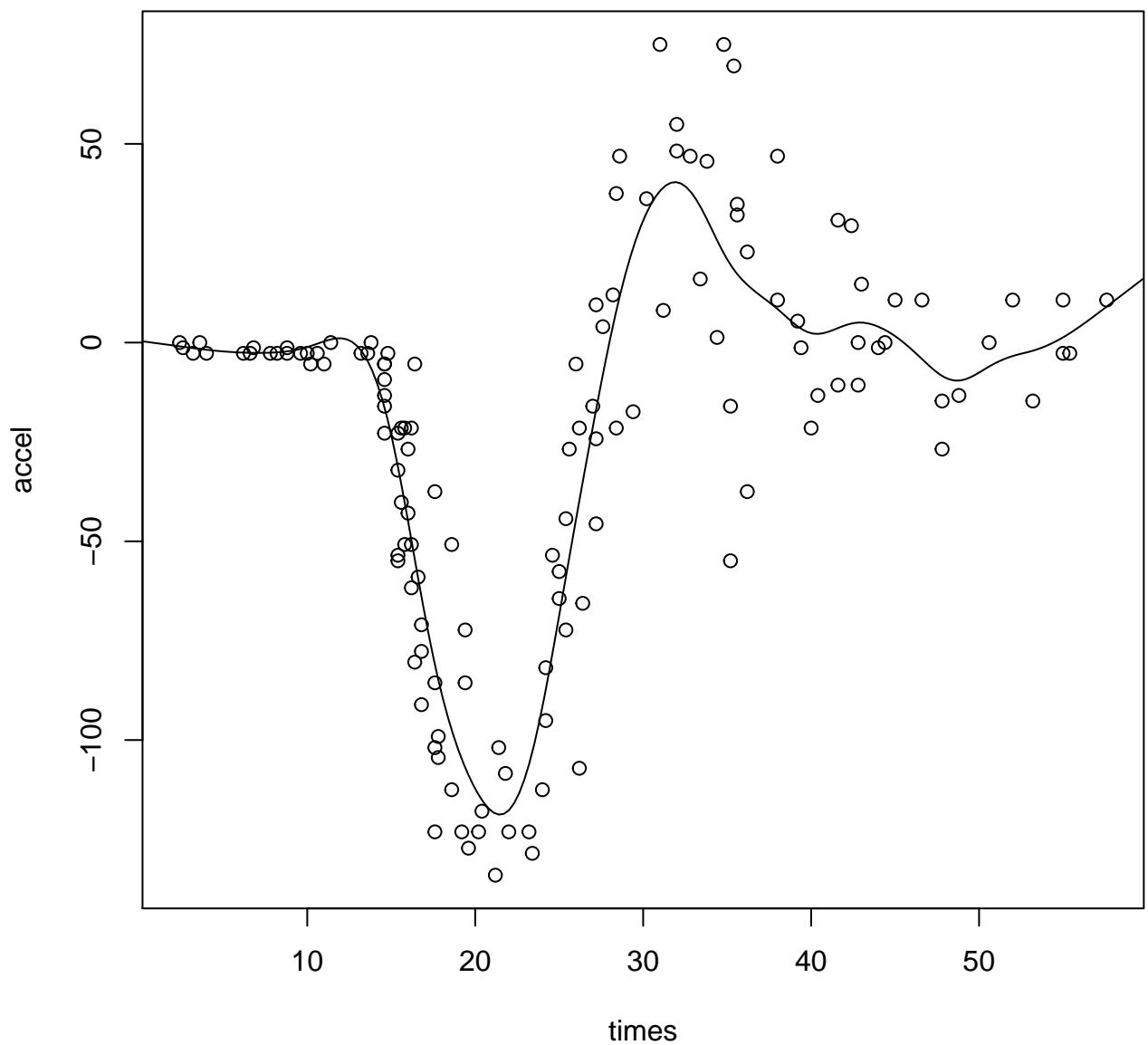
$x$

help("smooth.construct.tp.smooth.spec")

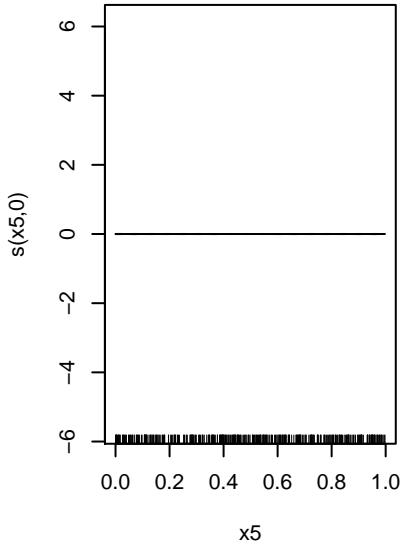
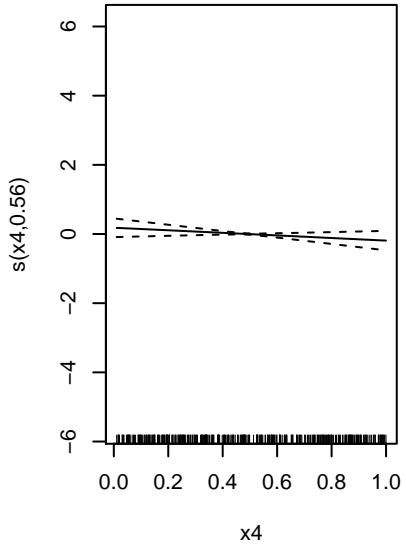
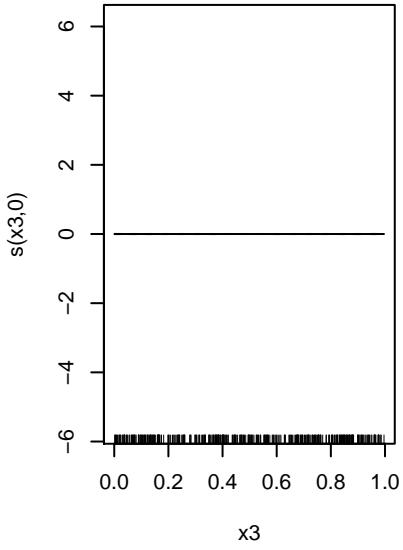
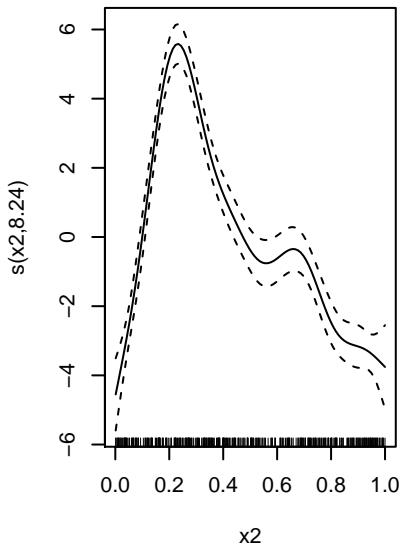
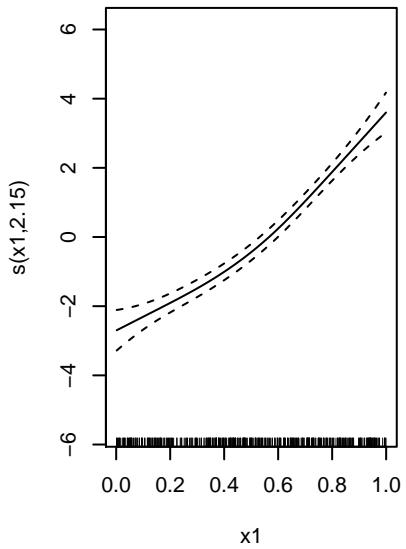
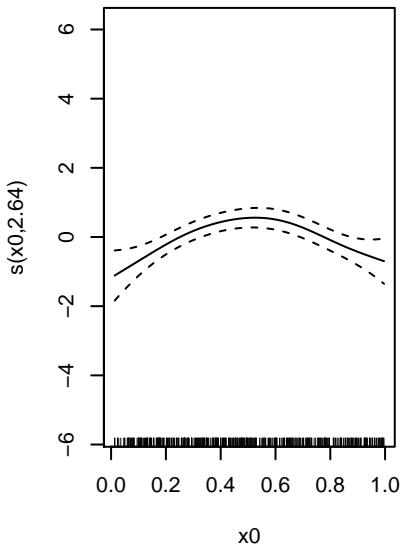
help("smoothCon")



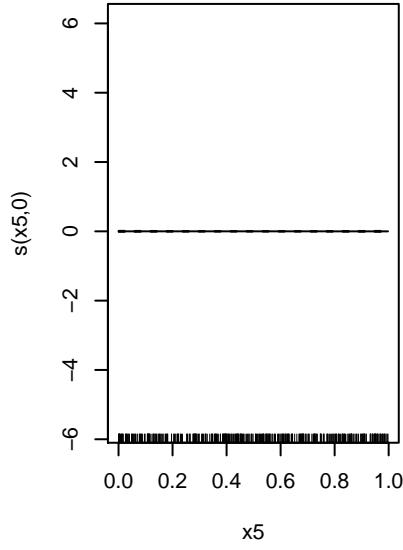
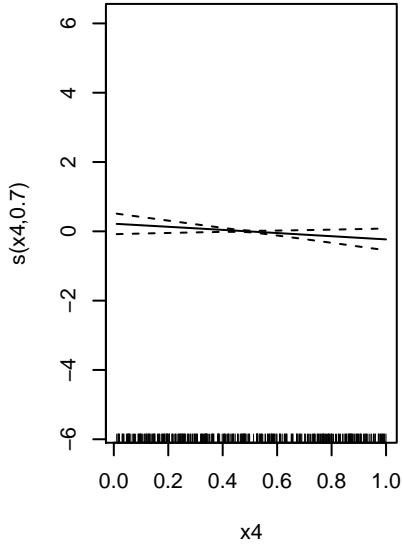
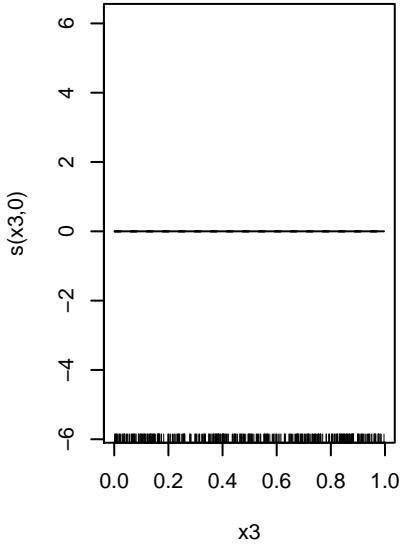
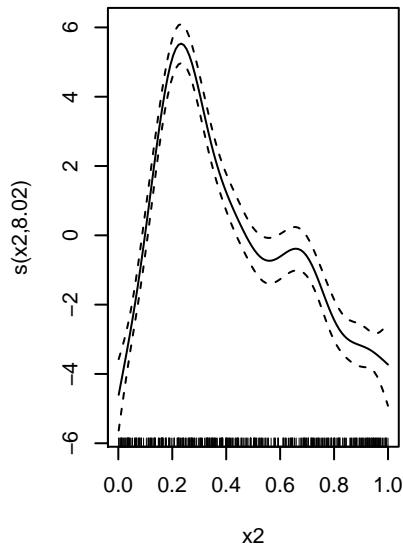
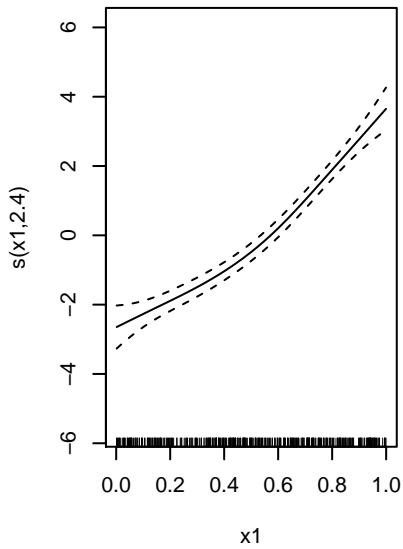
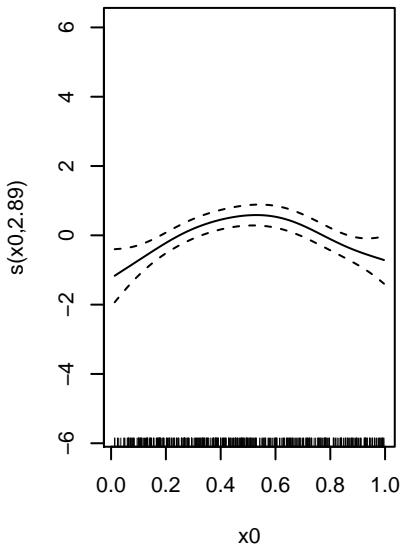
help("smoothCon")



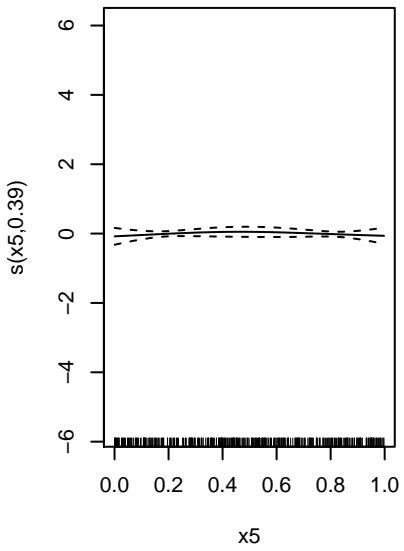
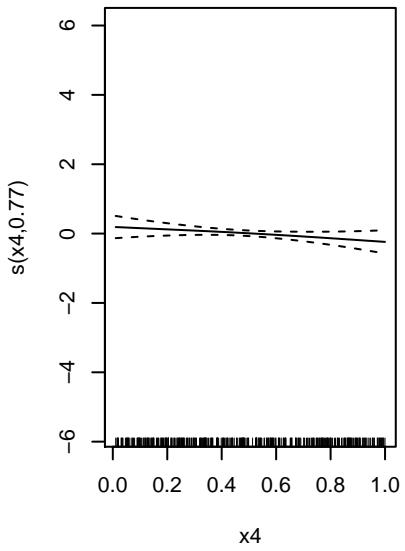
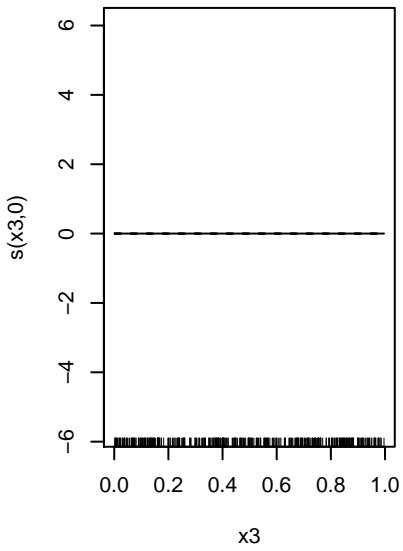
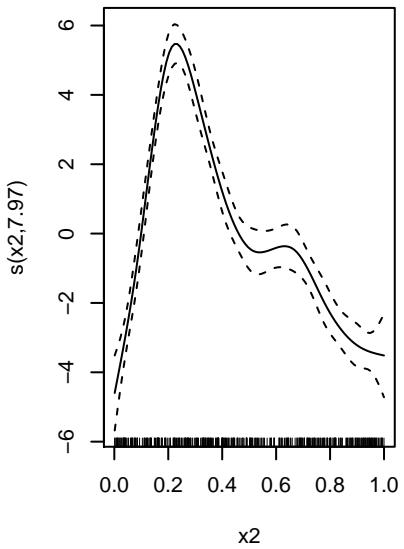
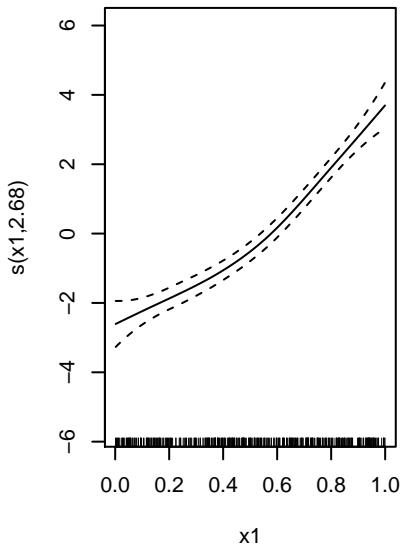
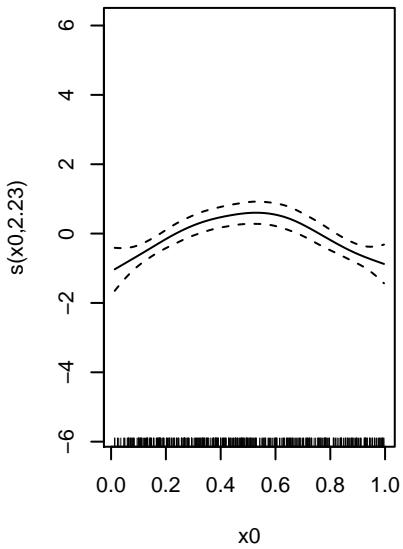
help("step.gam")



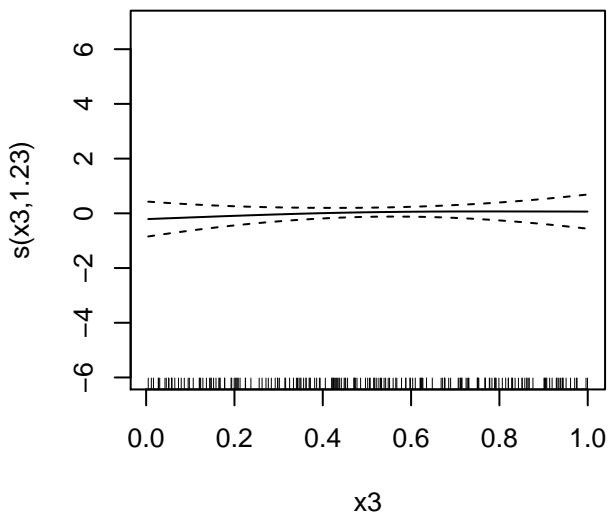
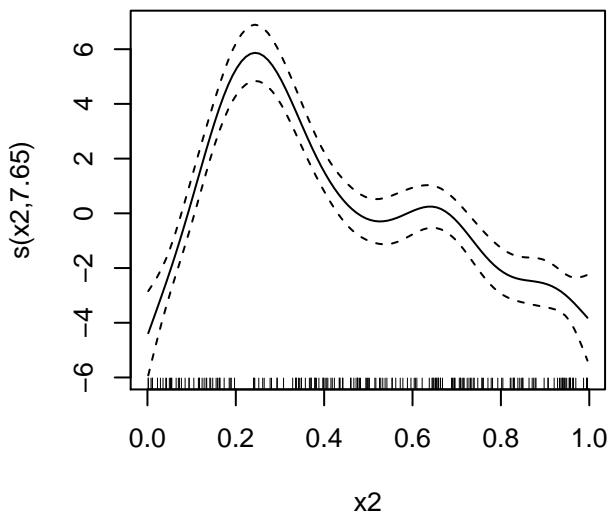
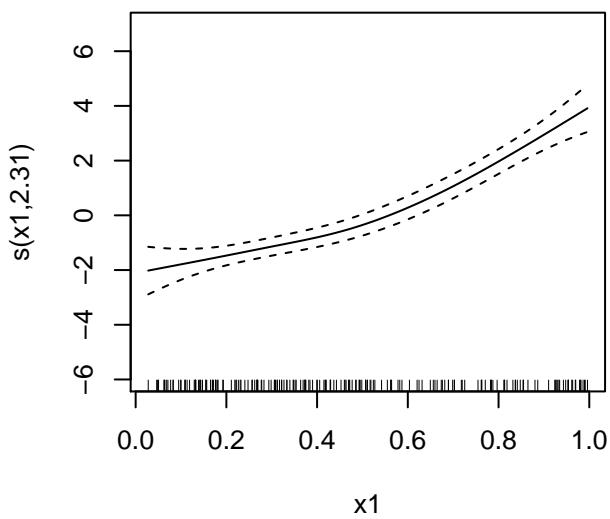
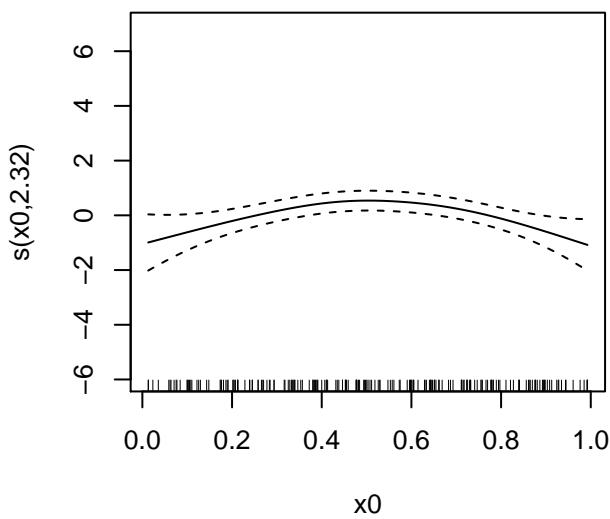
help("step.gam")



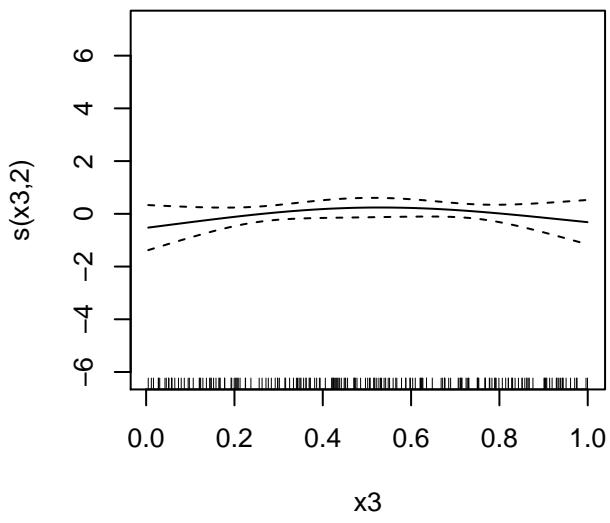
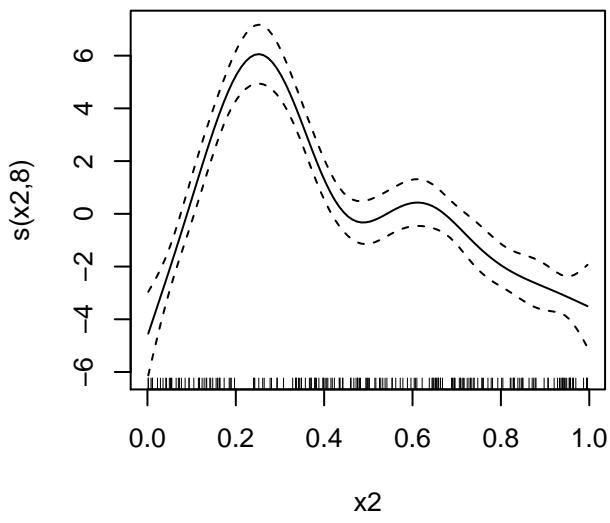
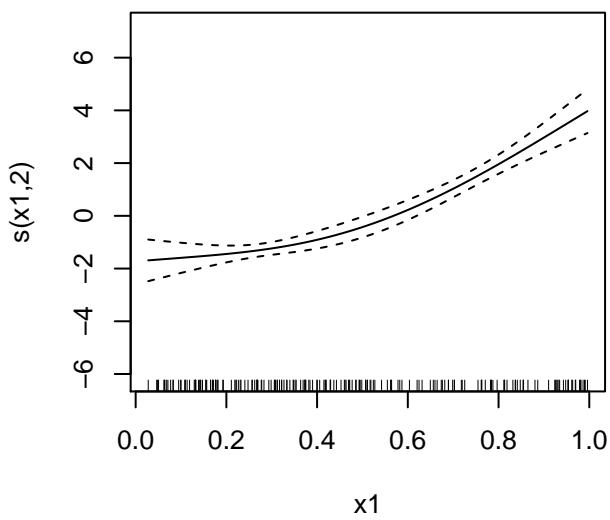
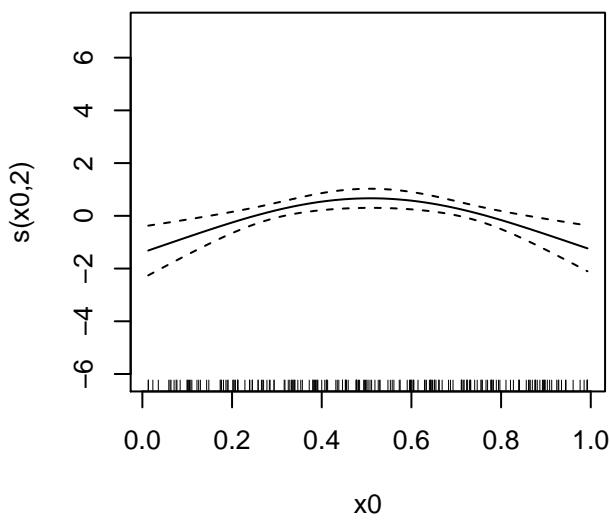
help("step.gam")



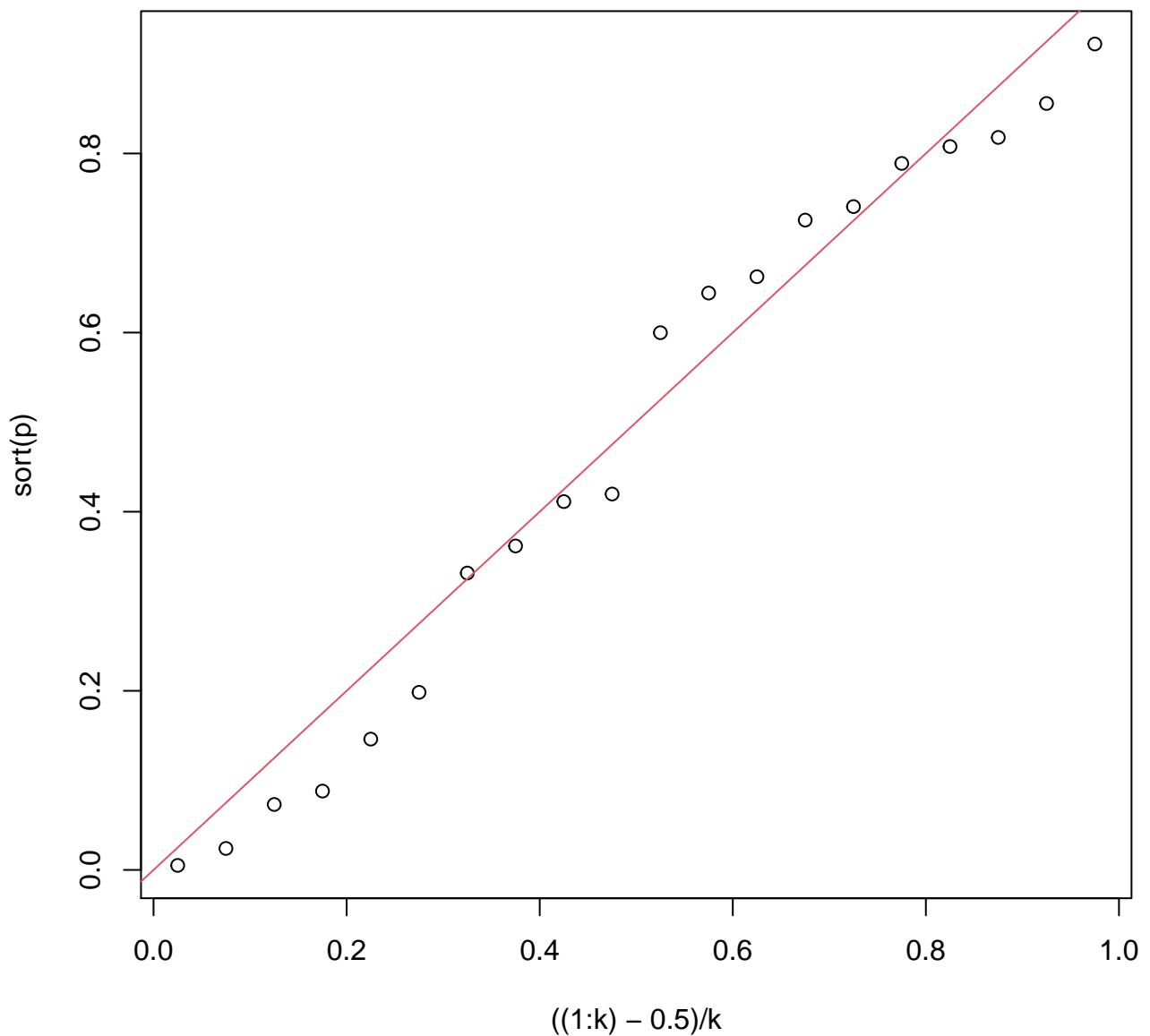
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help("summary.gam")
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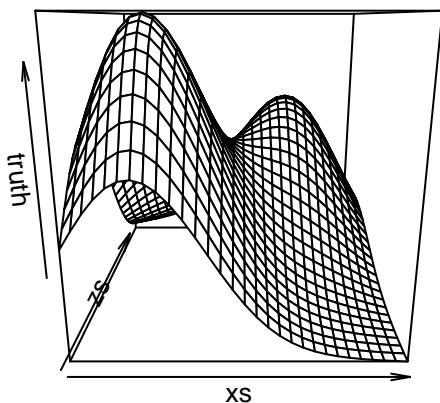
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help("summary.gam")
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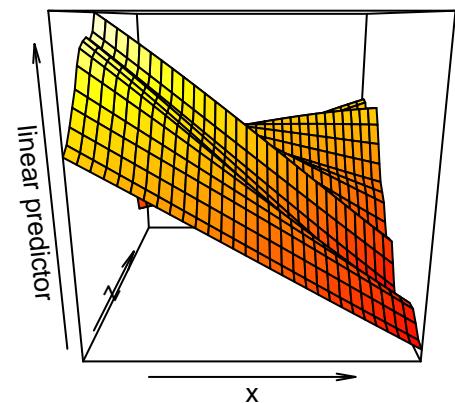
help("summary.gam")



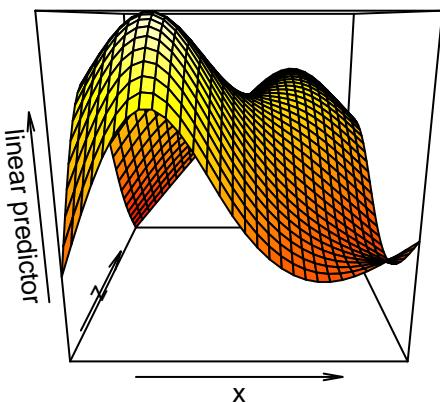
**truth**



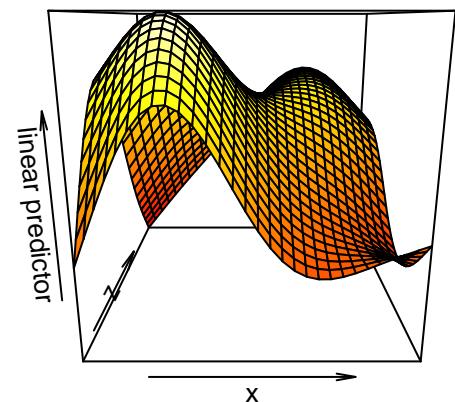
**t.p.r.s**



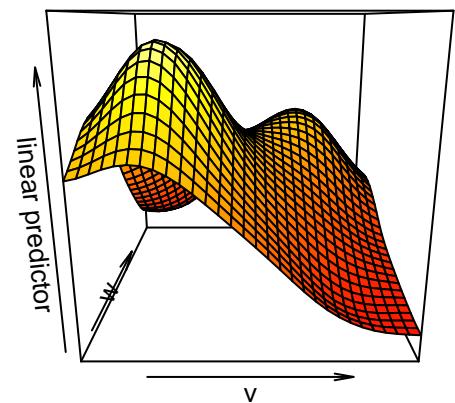
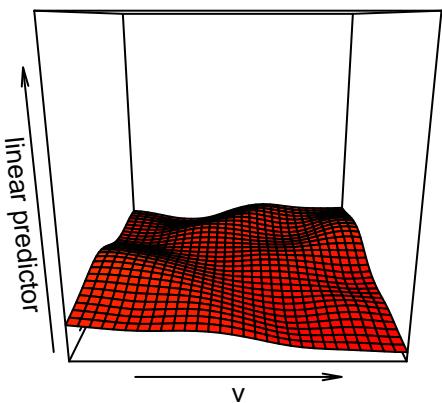
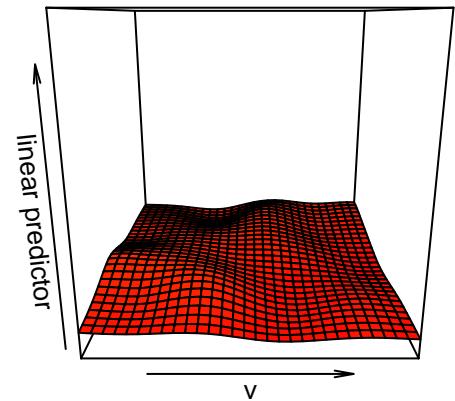
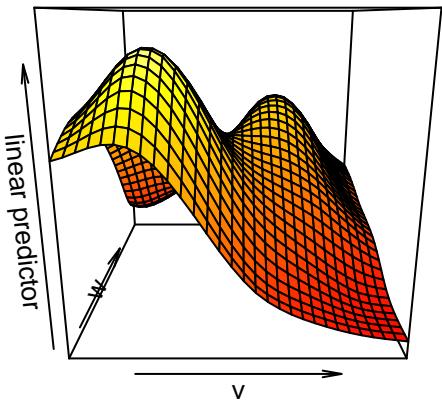
**tensor product**



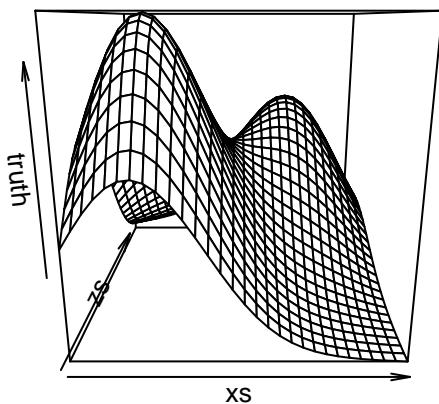
**tensor product**



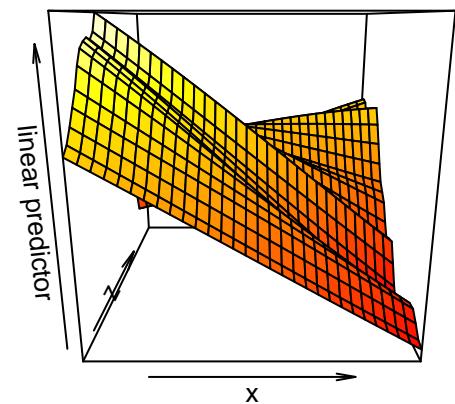
$\text{label}(z_n)$



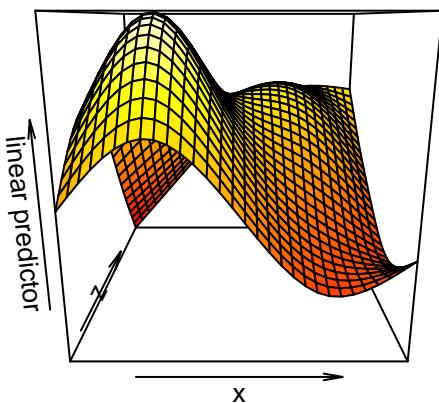
**truth**



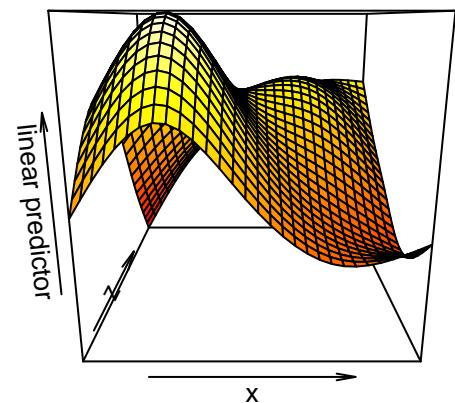
**t.p.r.s**



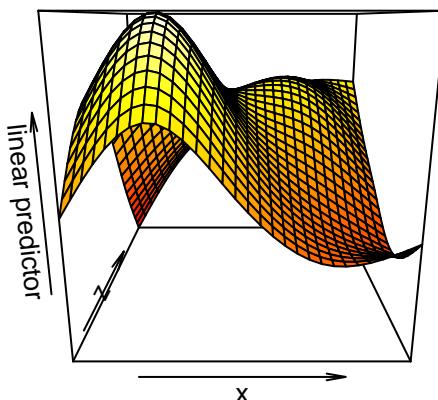
**tensor product**



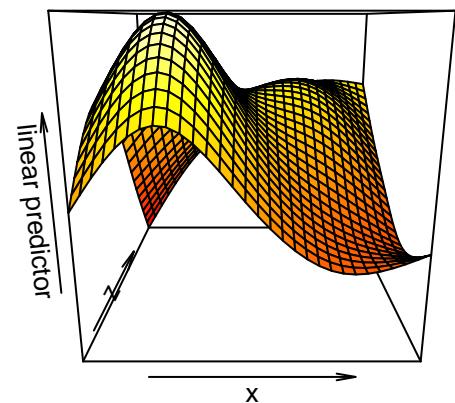
**tensor anova**



**full anova**

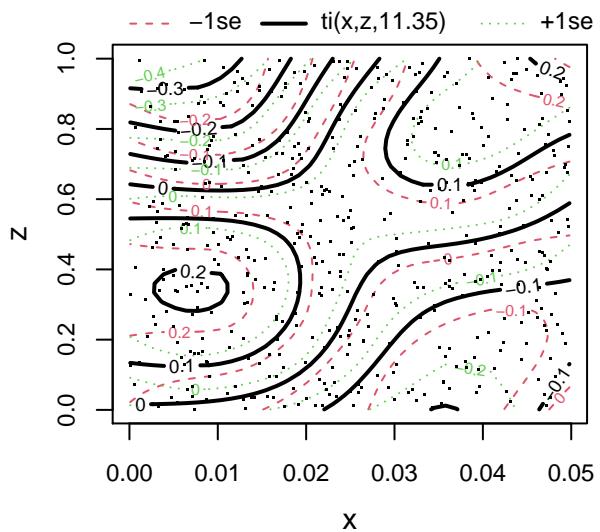
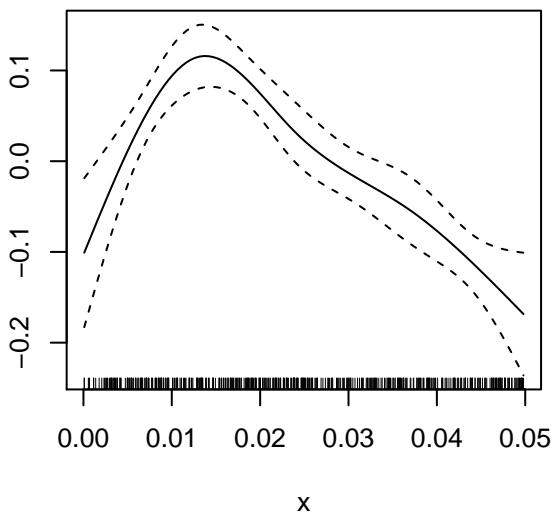


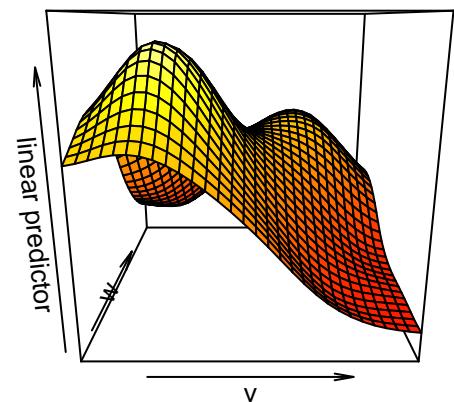
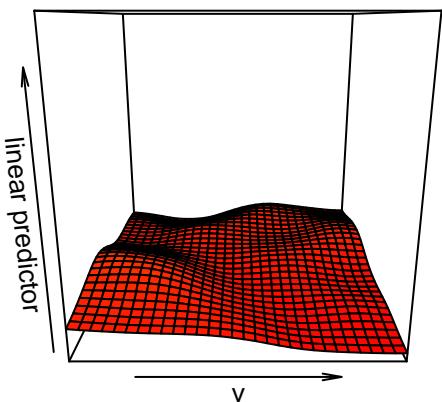
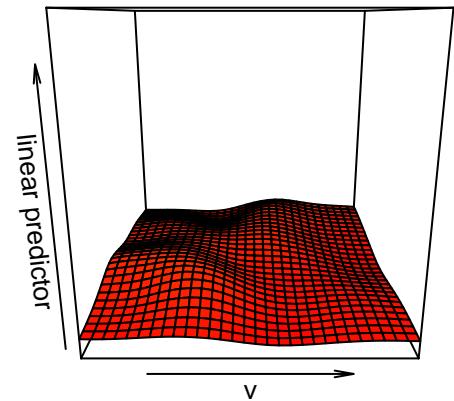
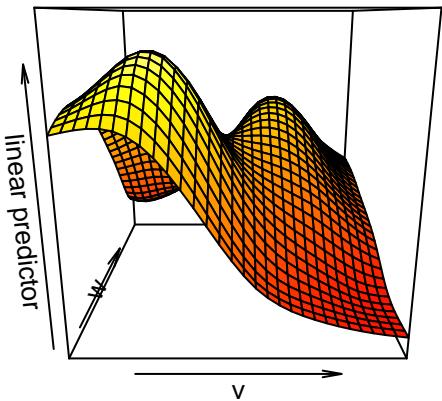
**partial anova**



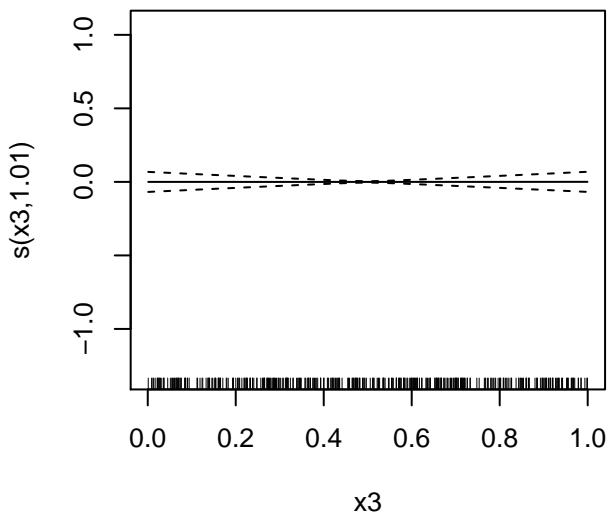
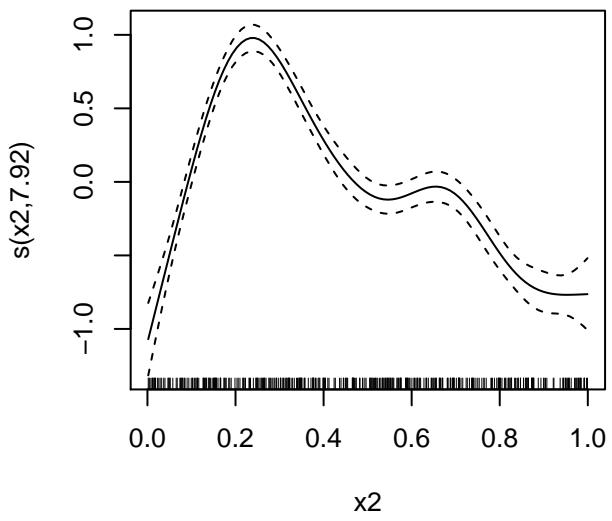
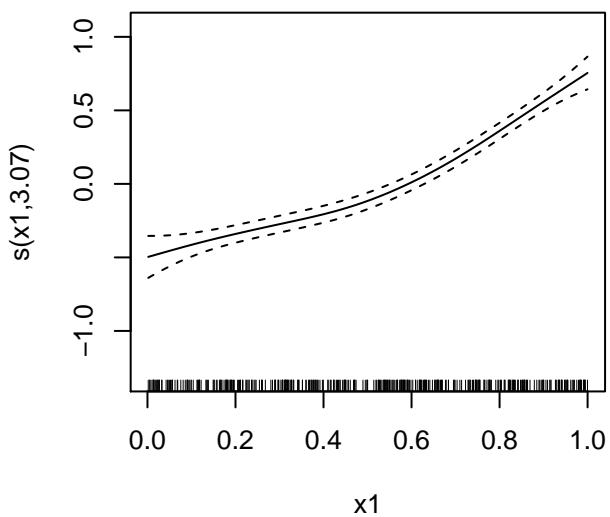
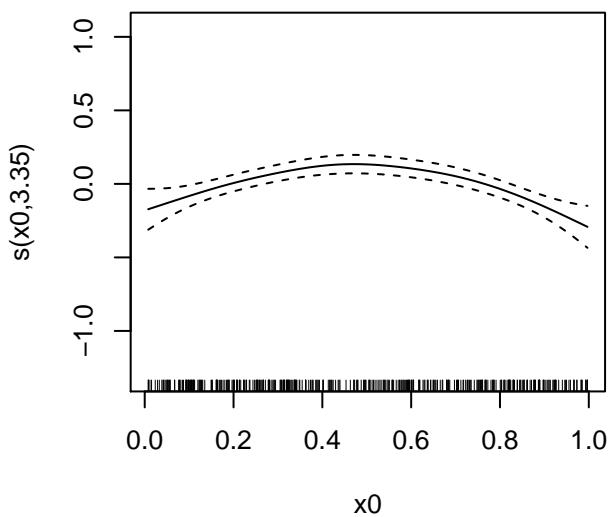
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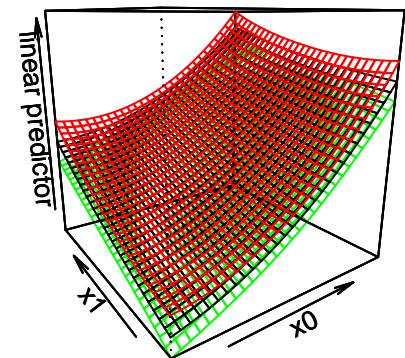
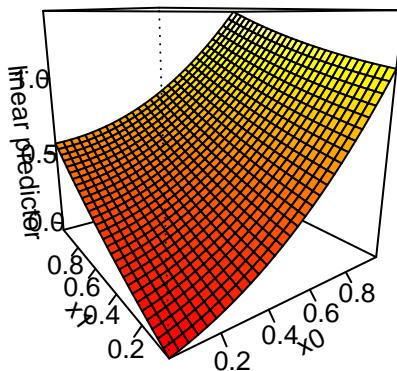
$ti(x, 3.74)$



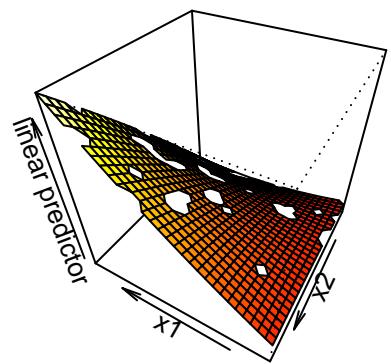
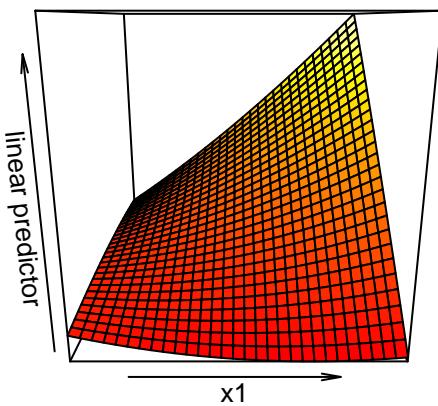


help("twiss")

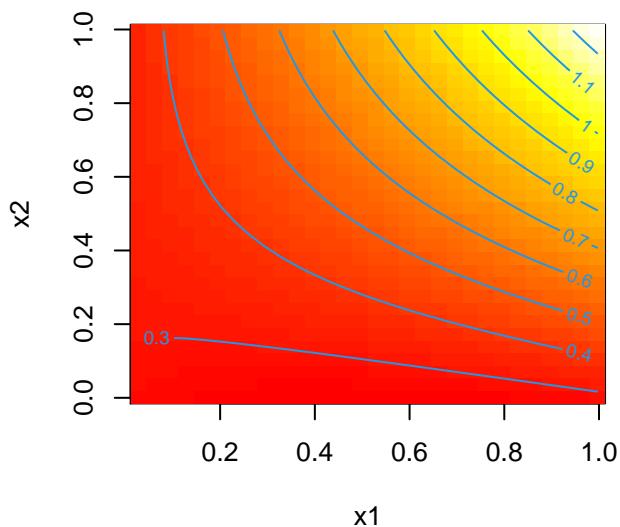




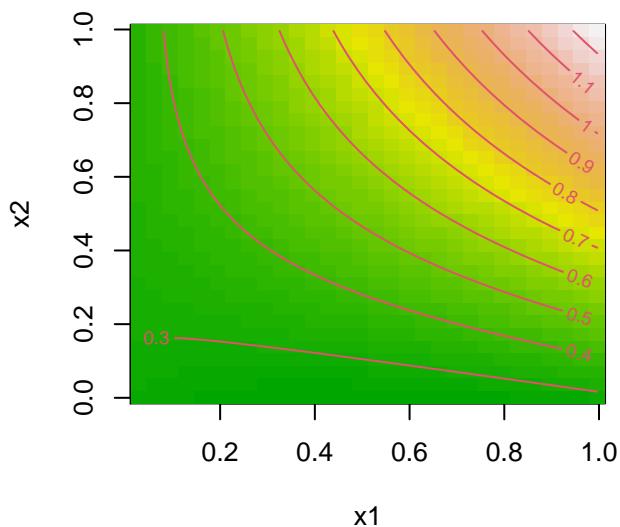
red/green are  $\pm 2$  s.e.



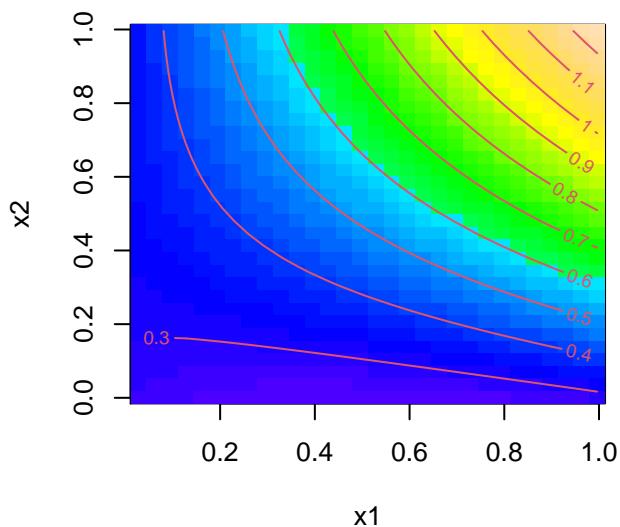
**linear predictor**



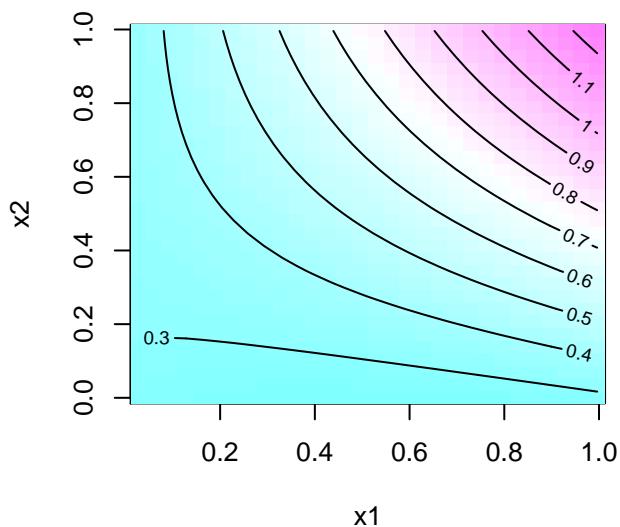
**linear predictor**



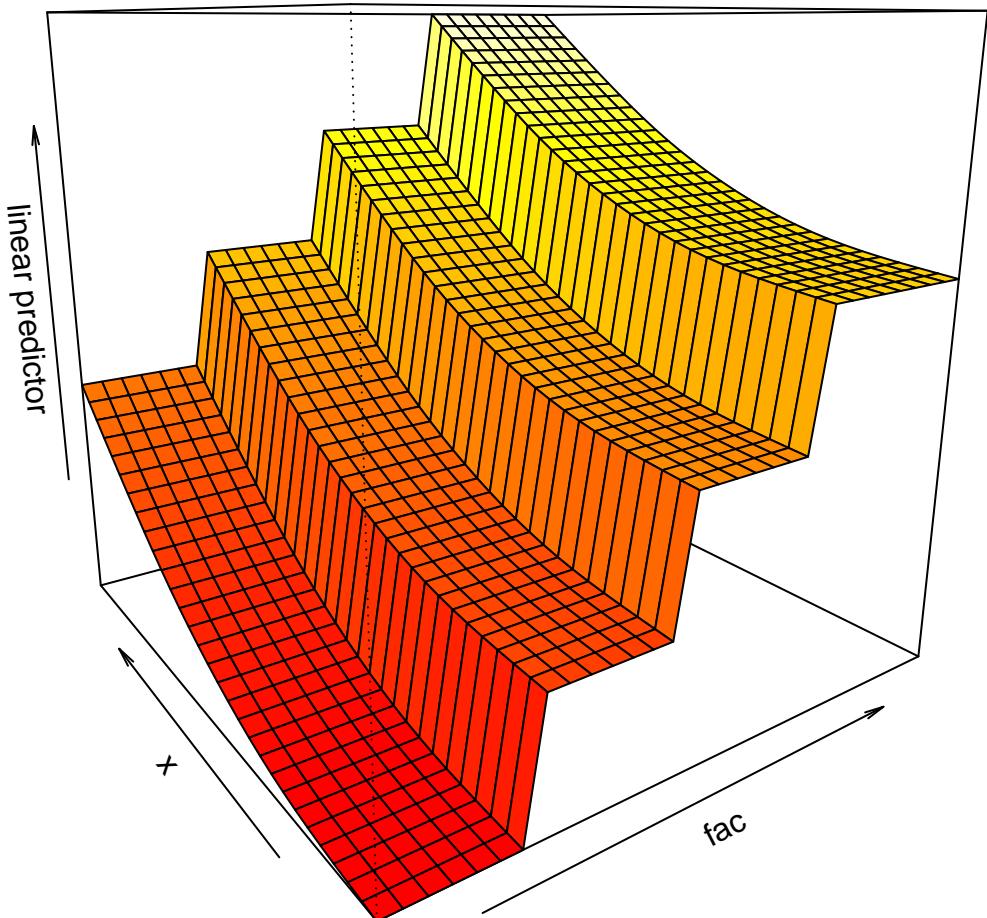
**linear predictor**



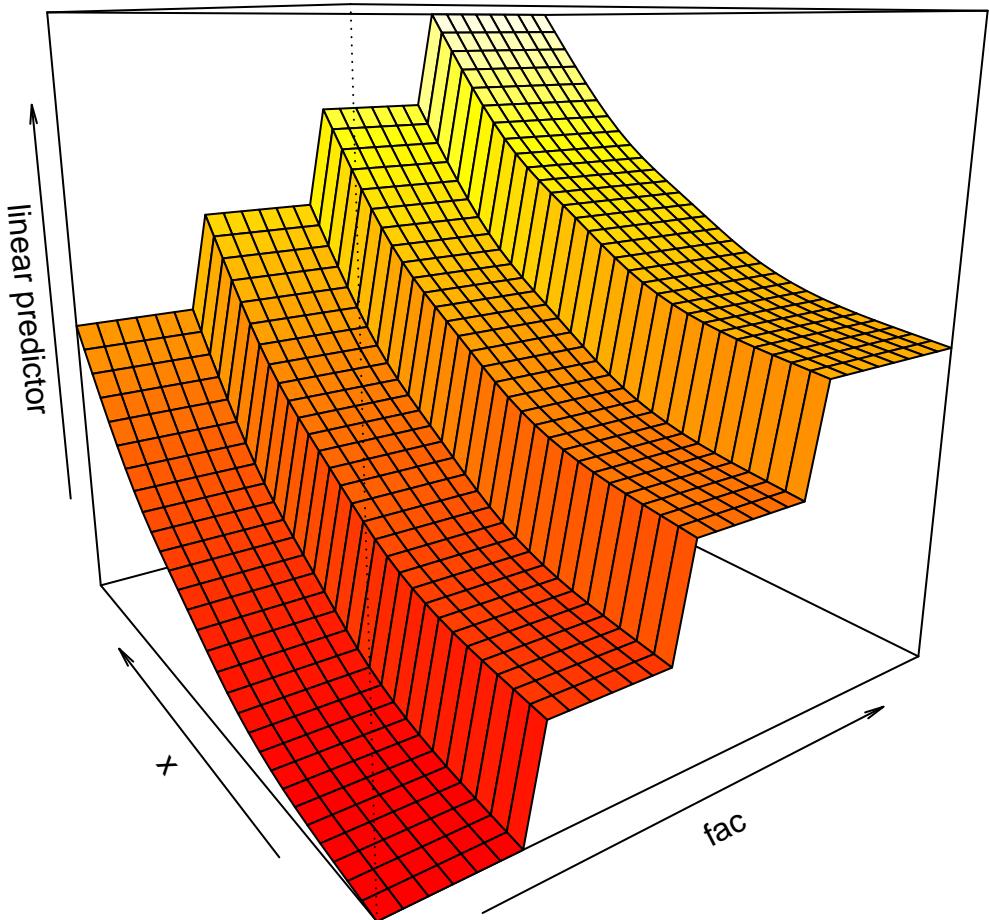
**linear predictor**

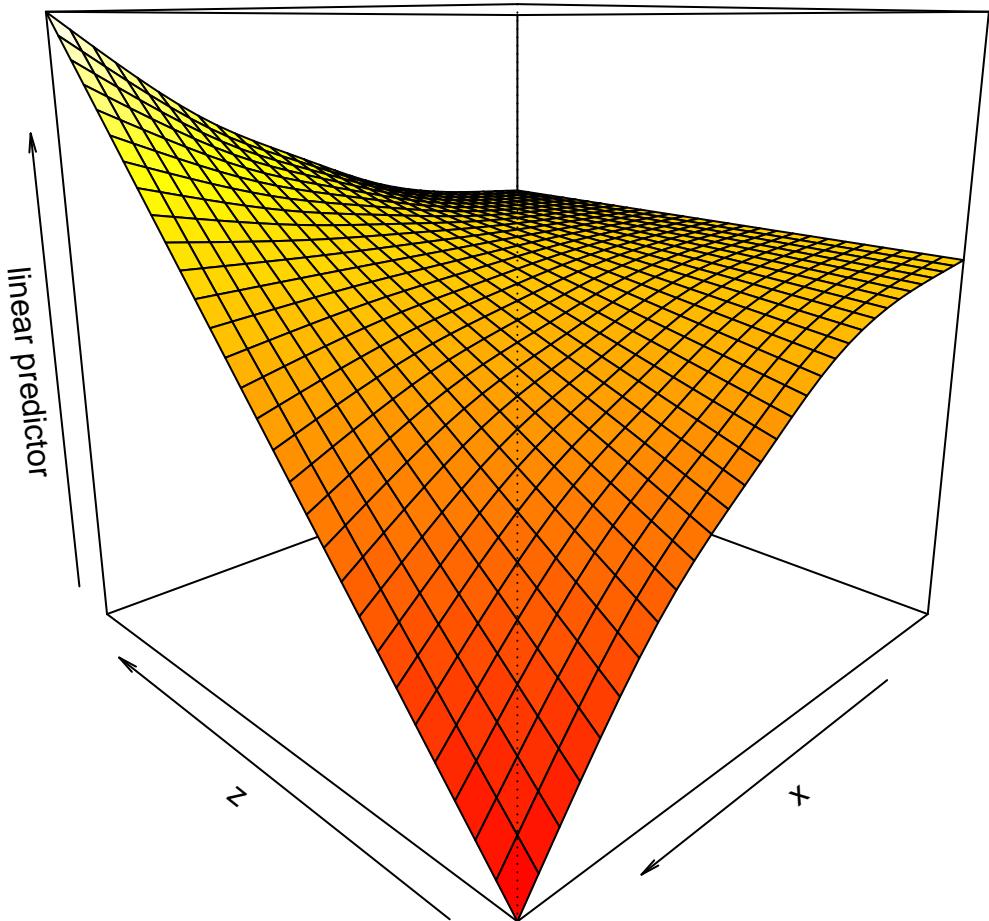


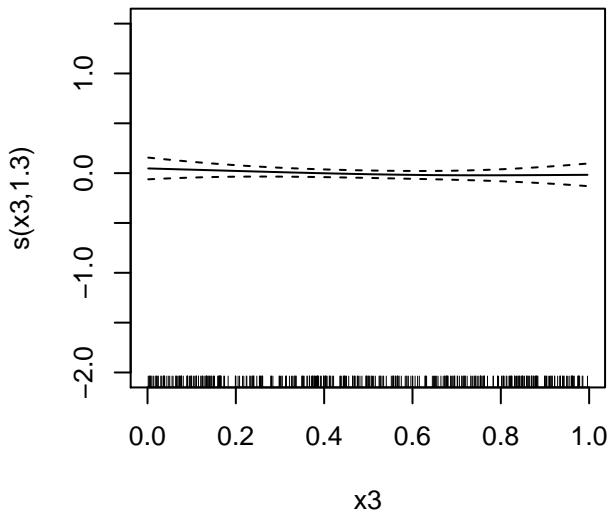
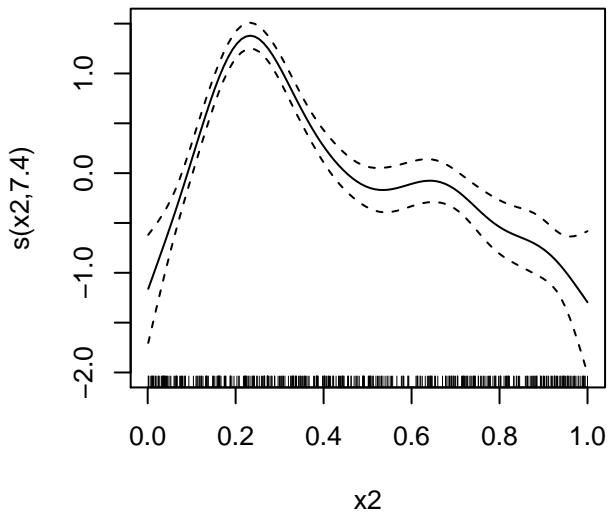
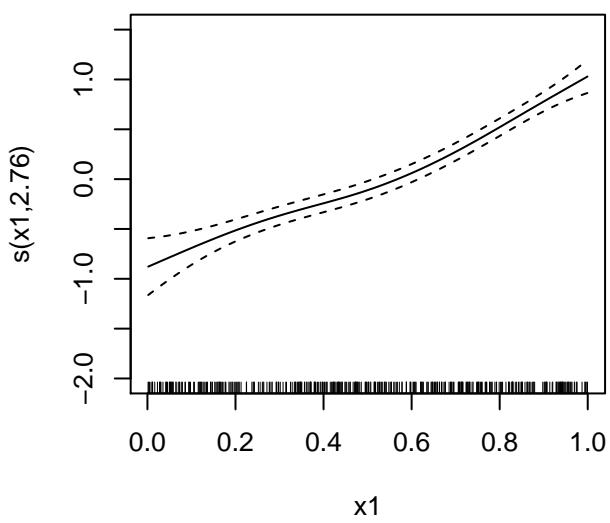
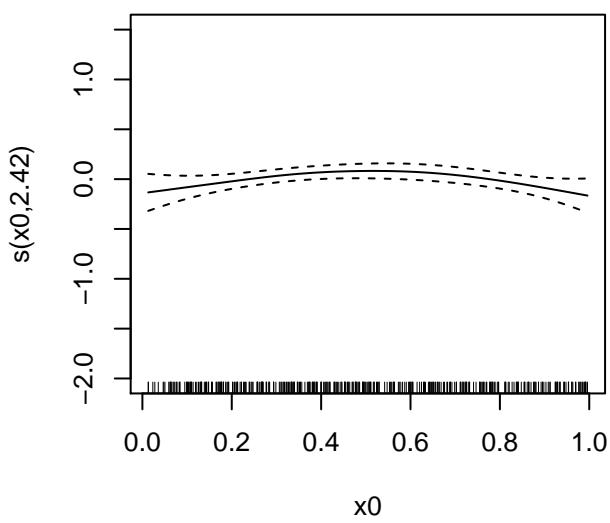
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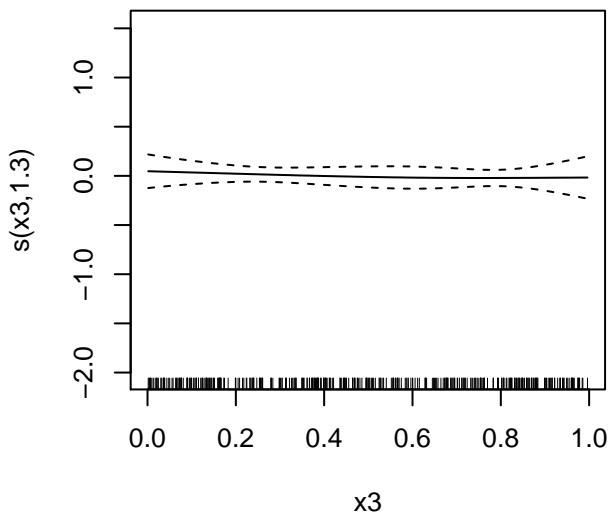
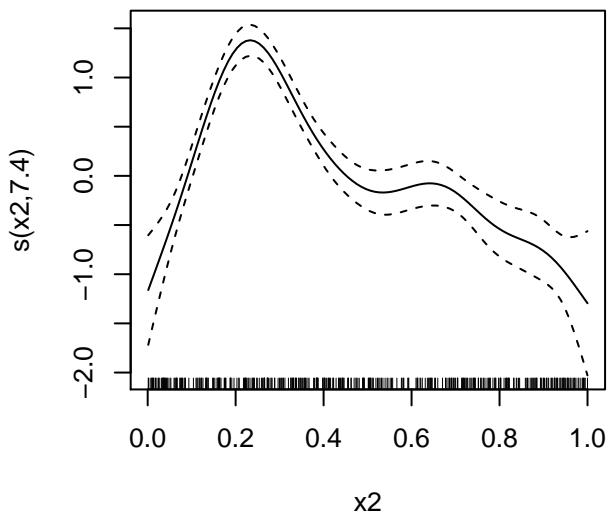
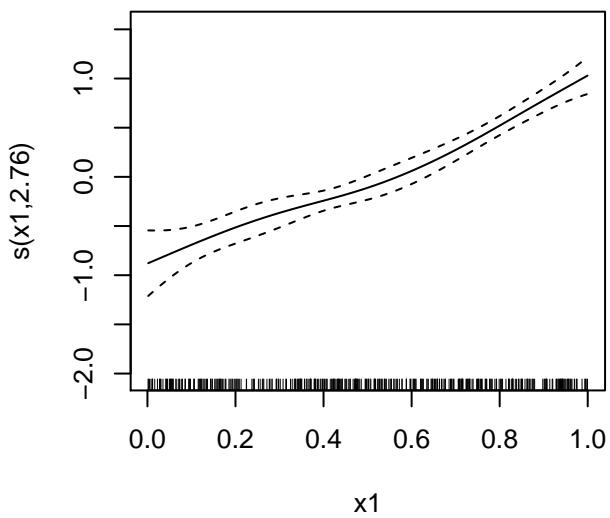
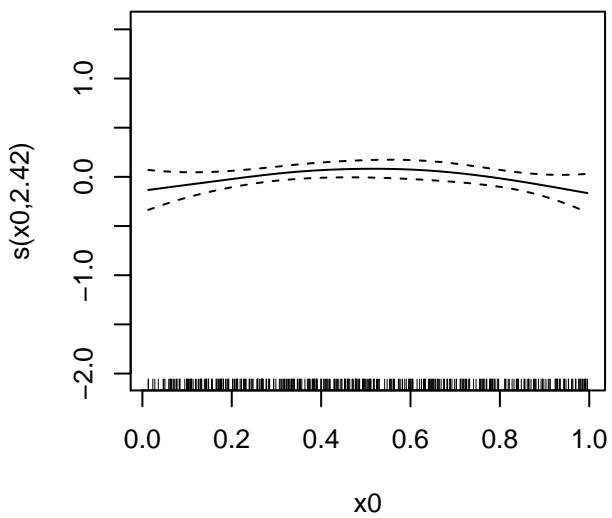
help("vis.gam")





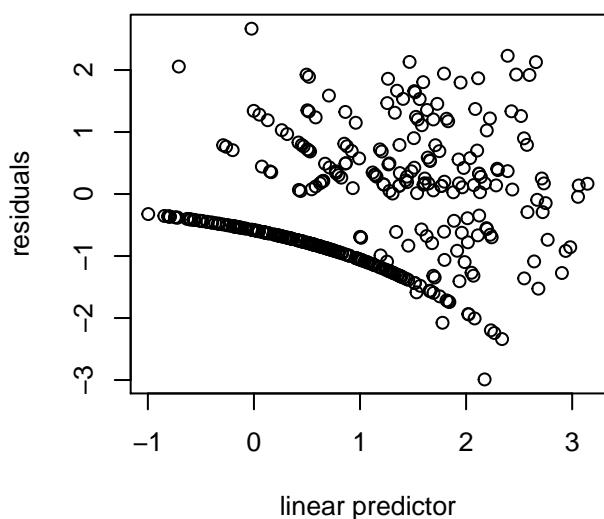
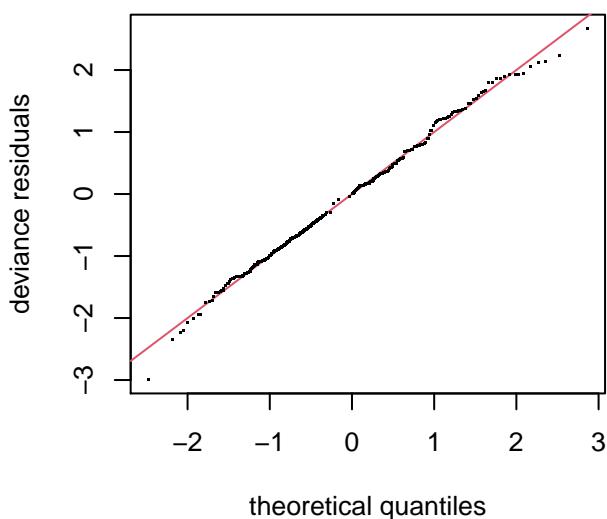


help("ziP")

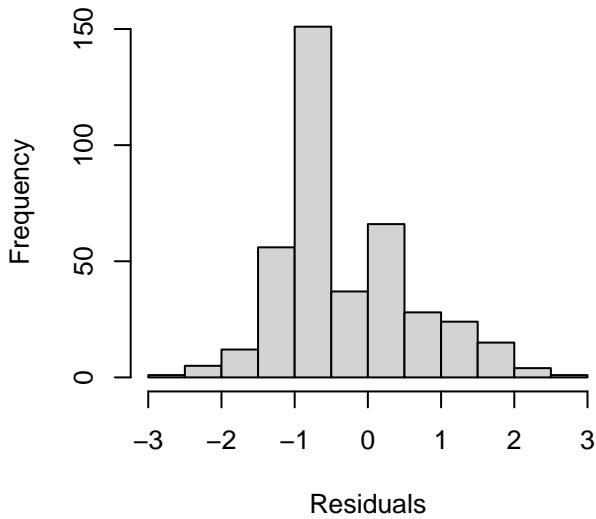


help("ziP")

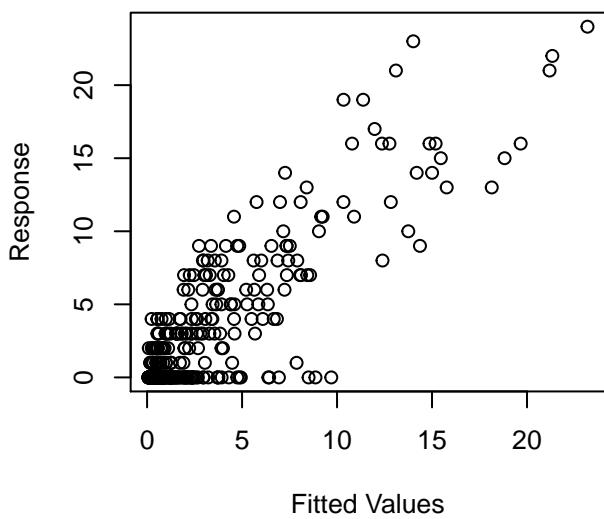
## Resids vs. linear pred.



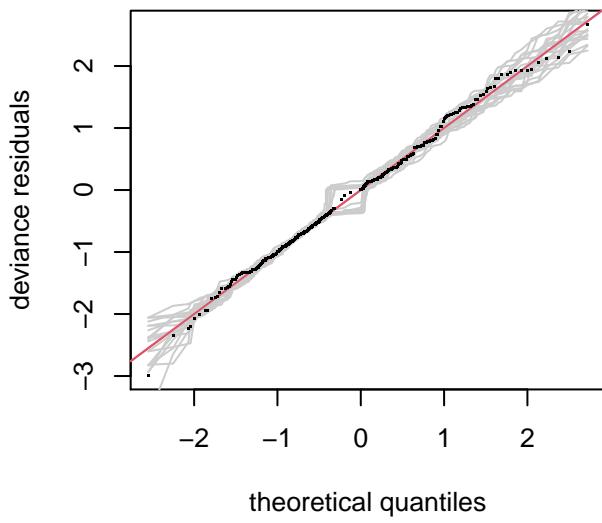
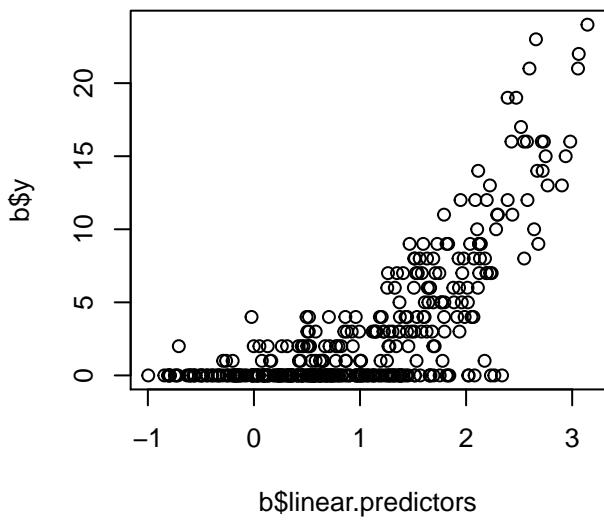
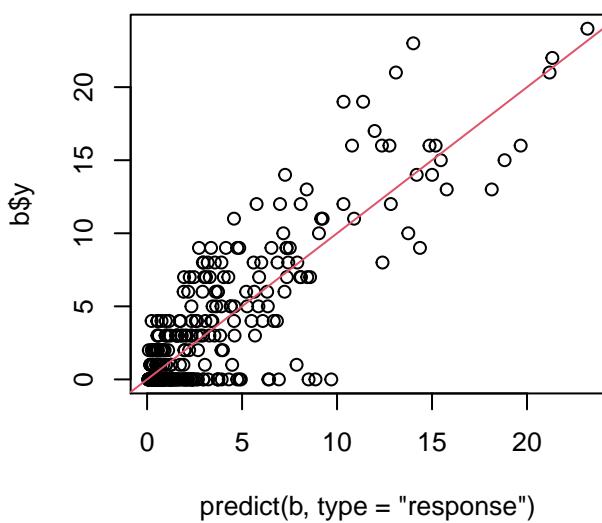
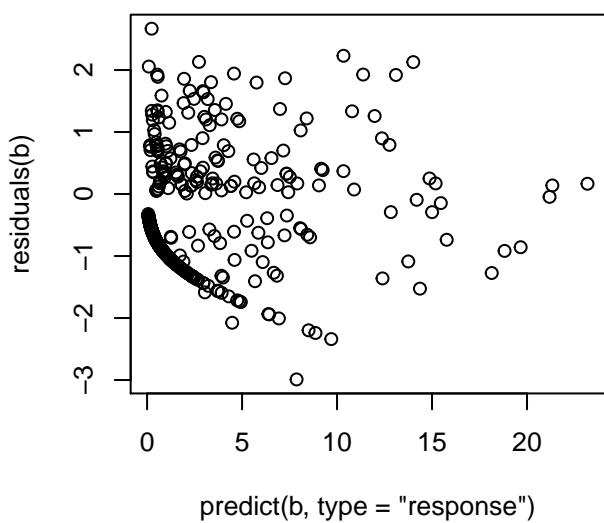
## Histogram of residuals



## Response vs. Fitted Values



help("zIIP")



help("ziP")

help("ziplss")

