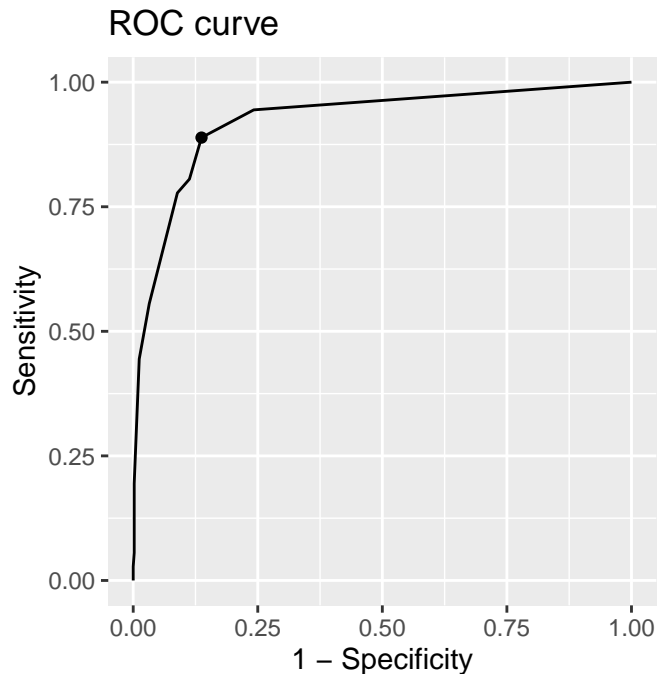
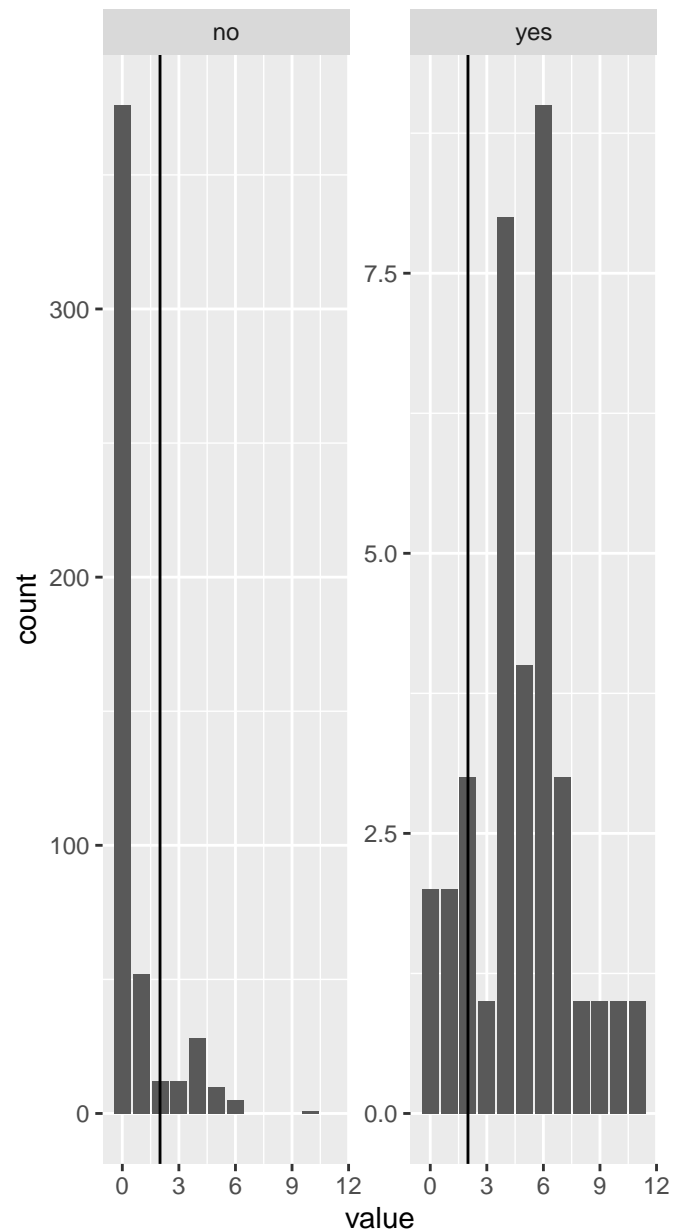




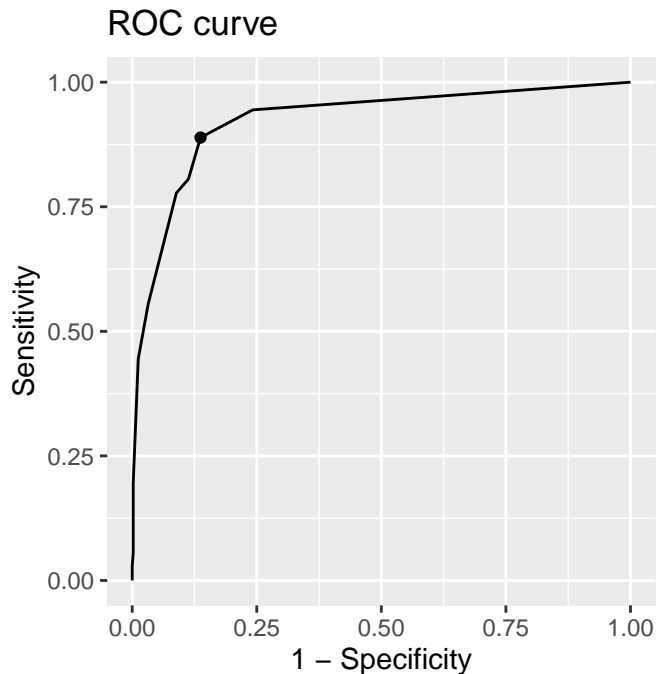
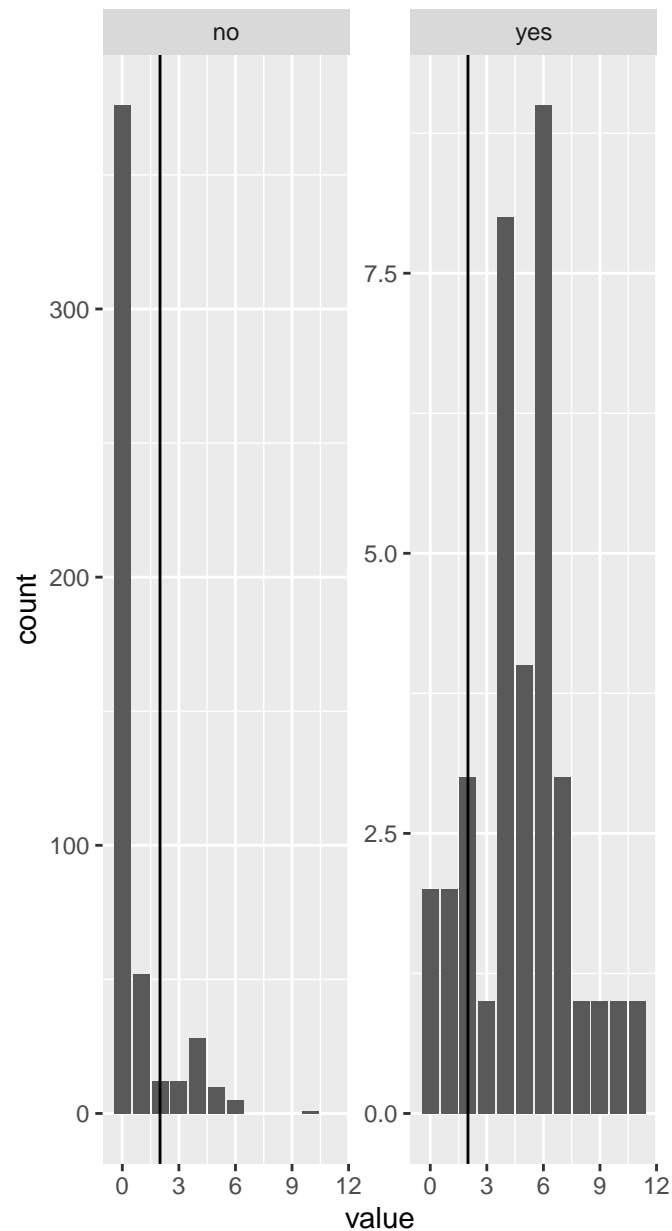
# Independent variable

optimal cutpoint and distribution by class



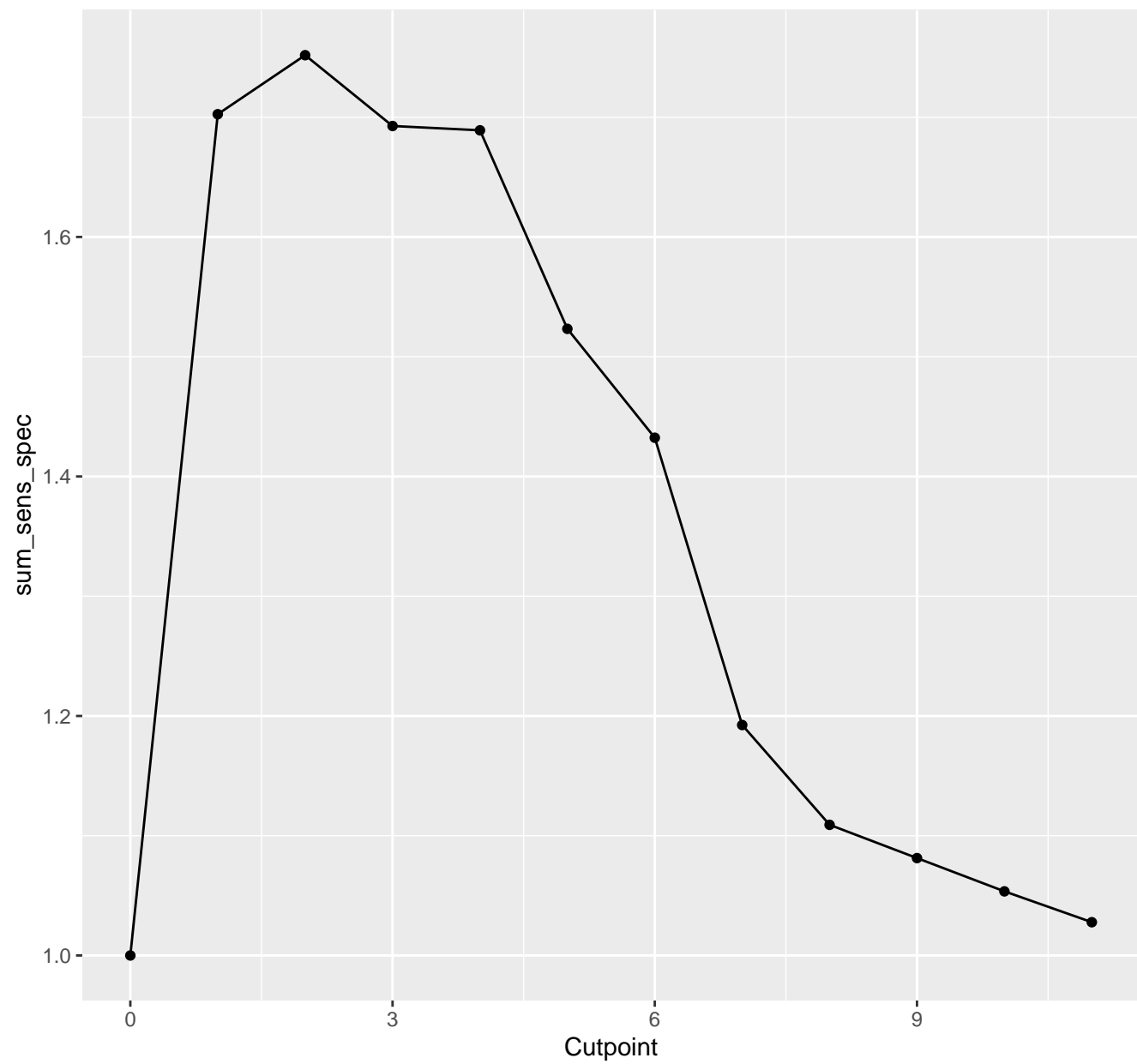
# Independent variable

optimal cutpoint and distribution by class

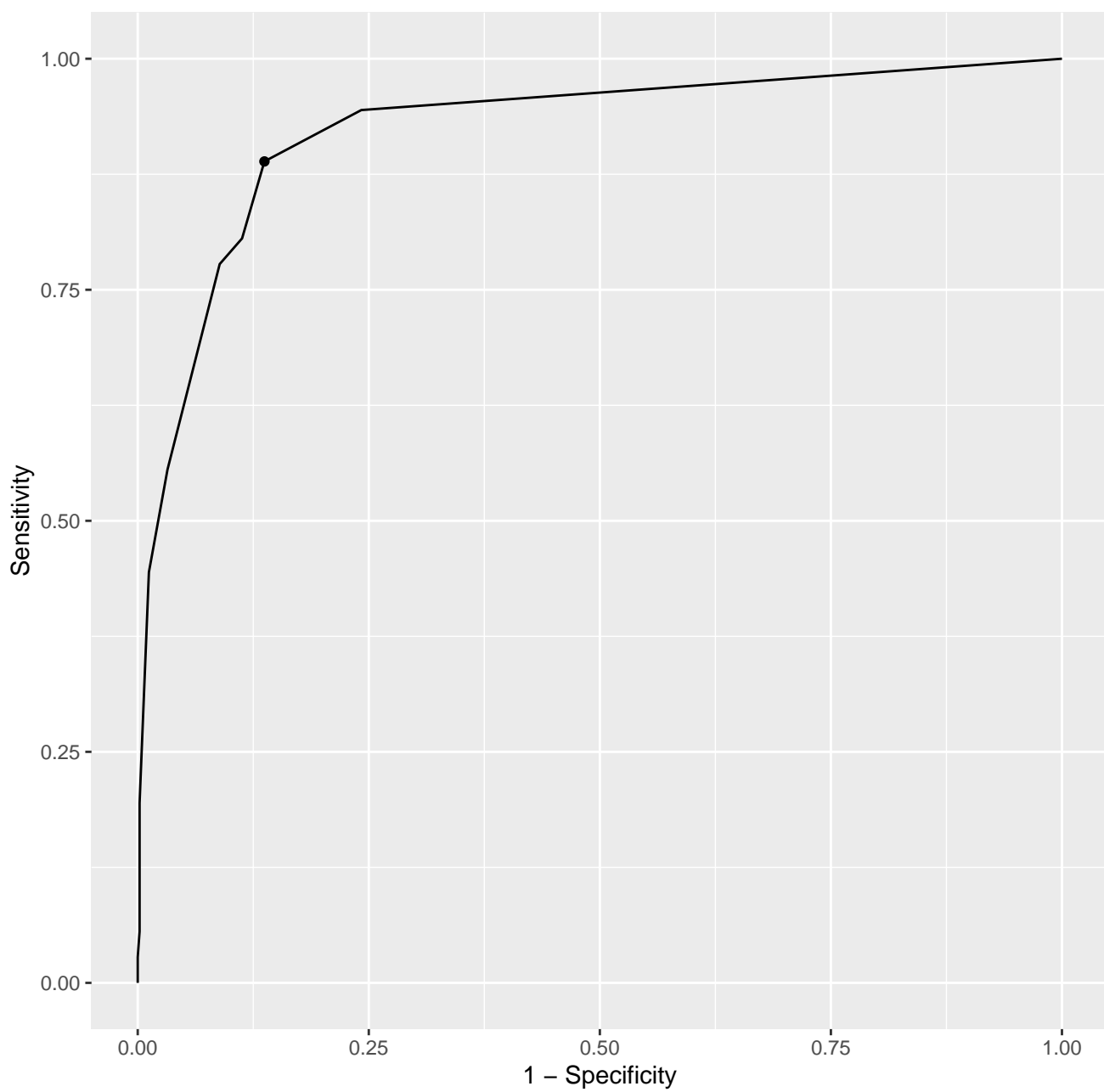


# Metric values by cutpoint value

in-sample results

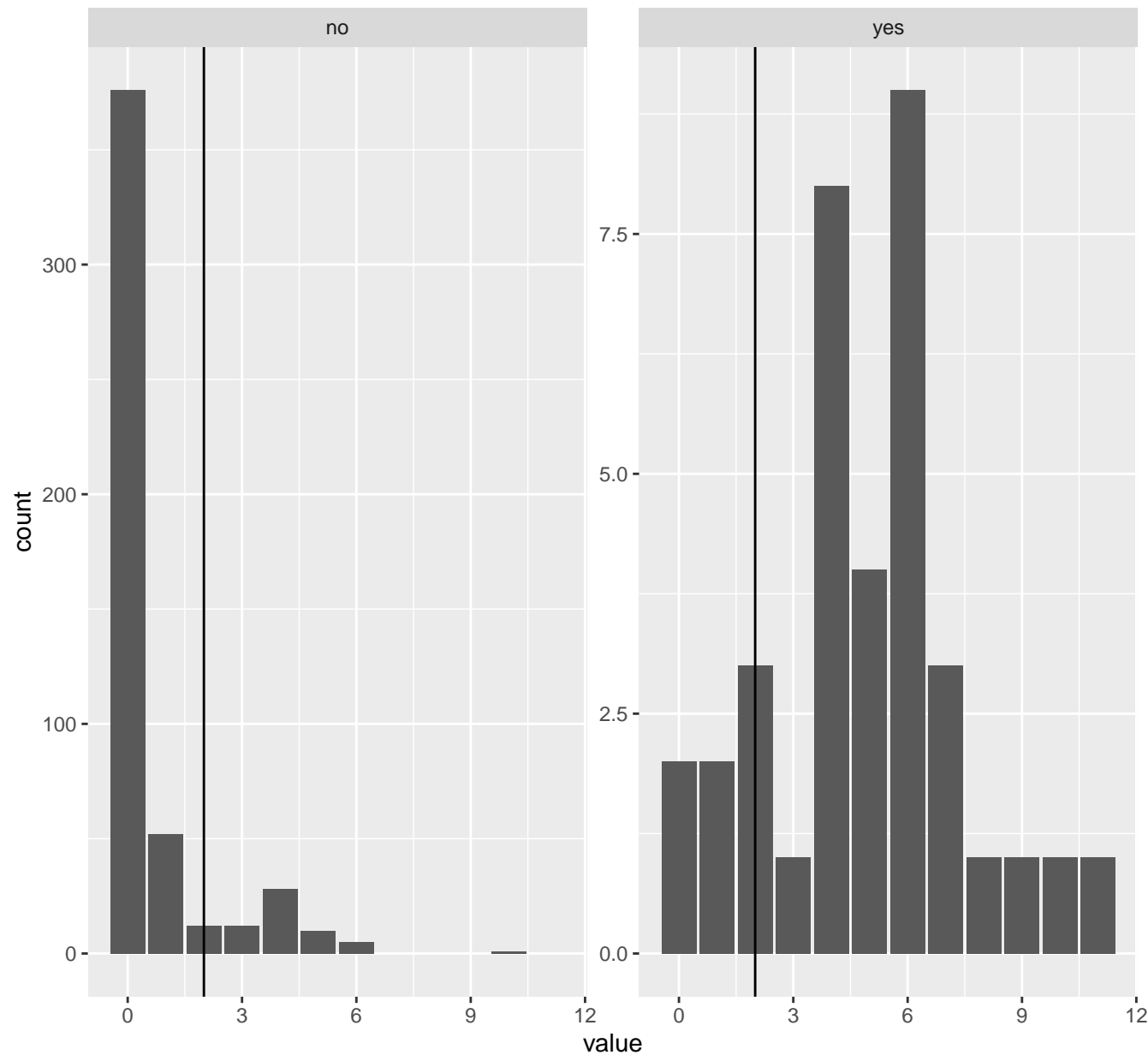


ROC curve

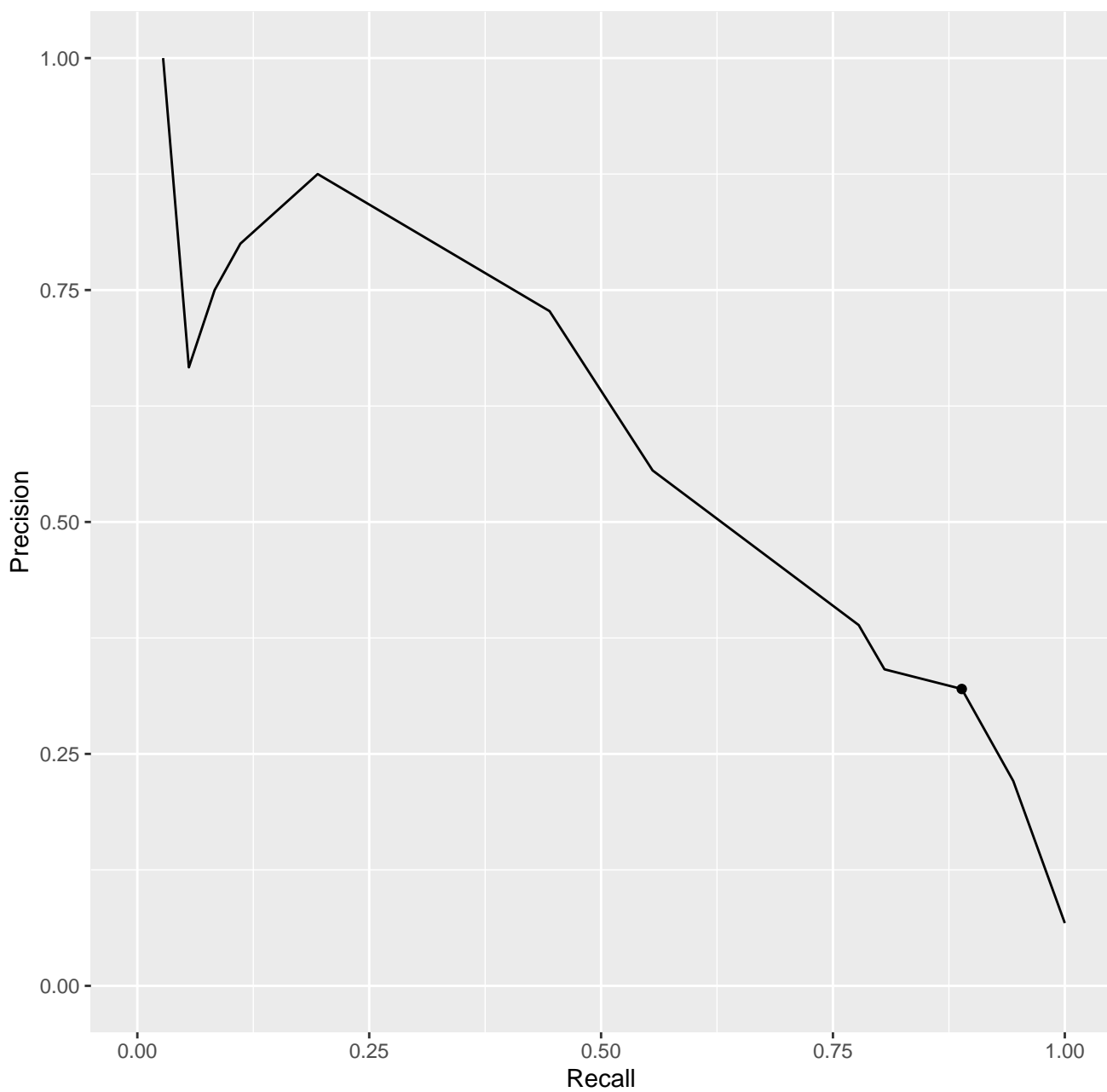


# Independent variable

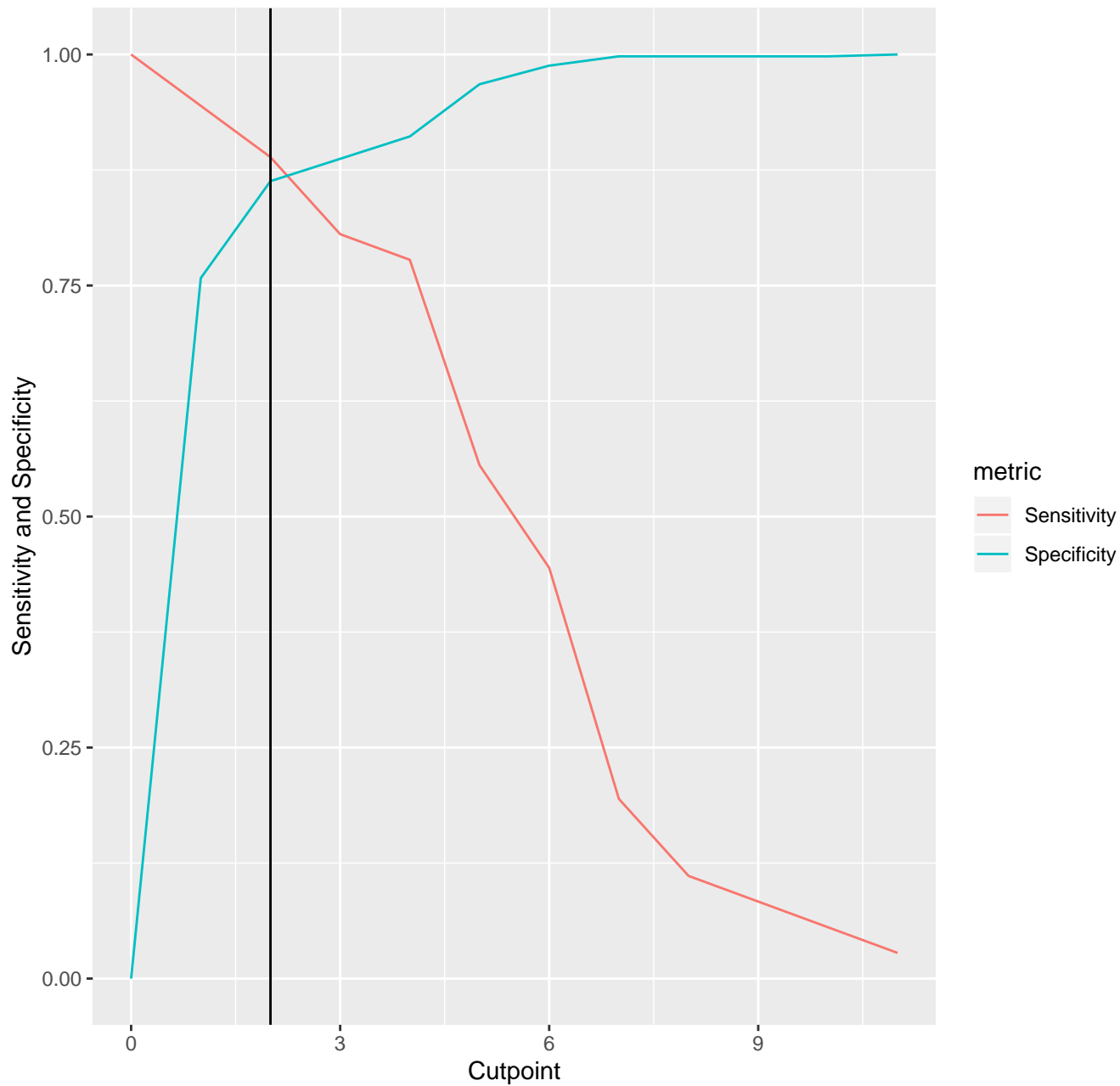
optimal cutpoint and distribution by class



Precision recall plot

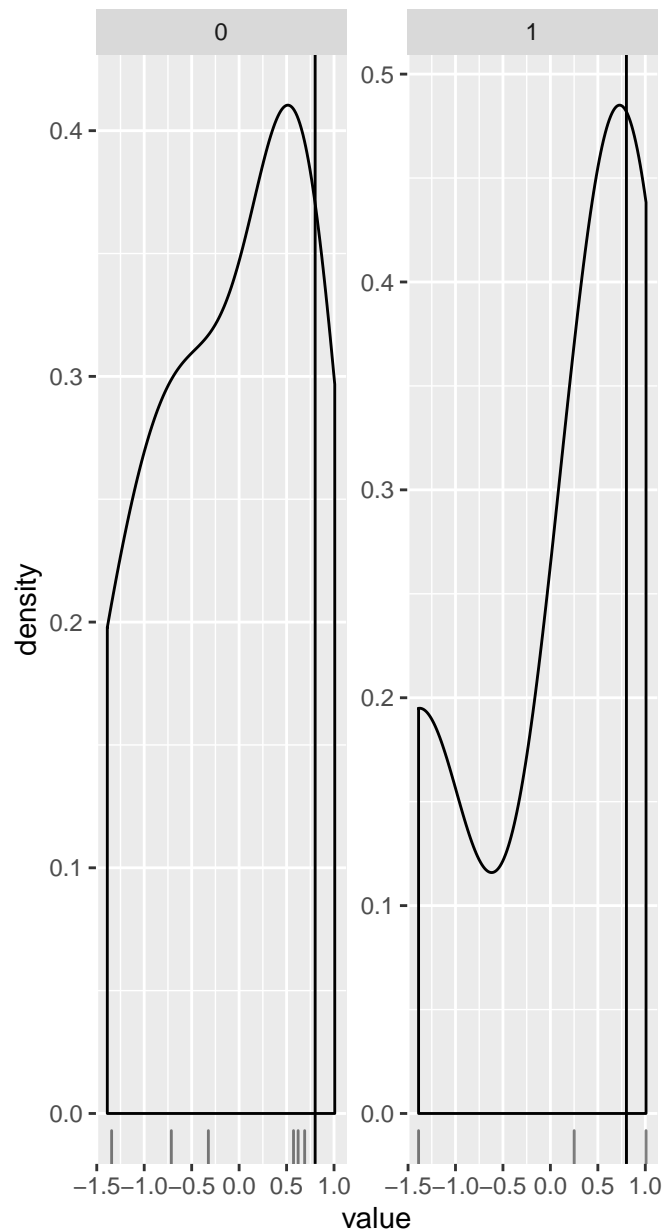


Sensitivity and specificity plot

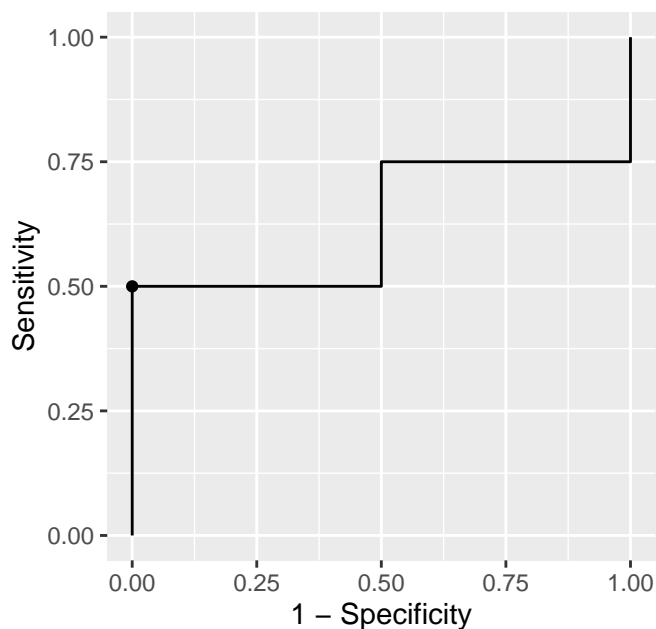


# Independent variable

optimal cutpoint and distribution by class

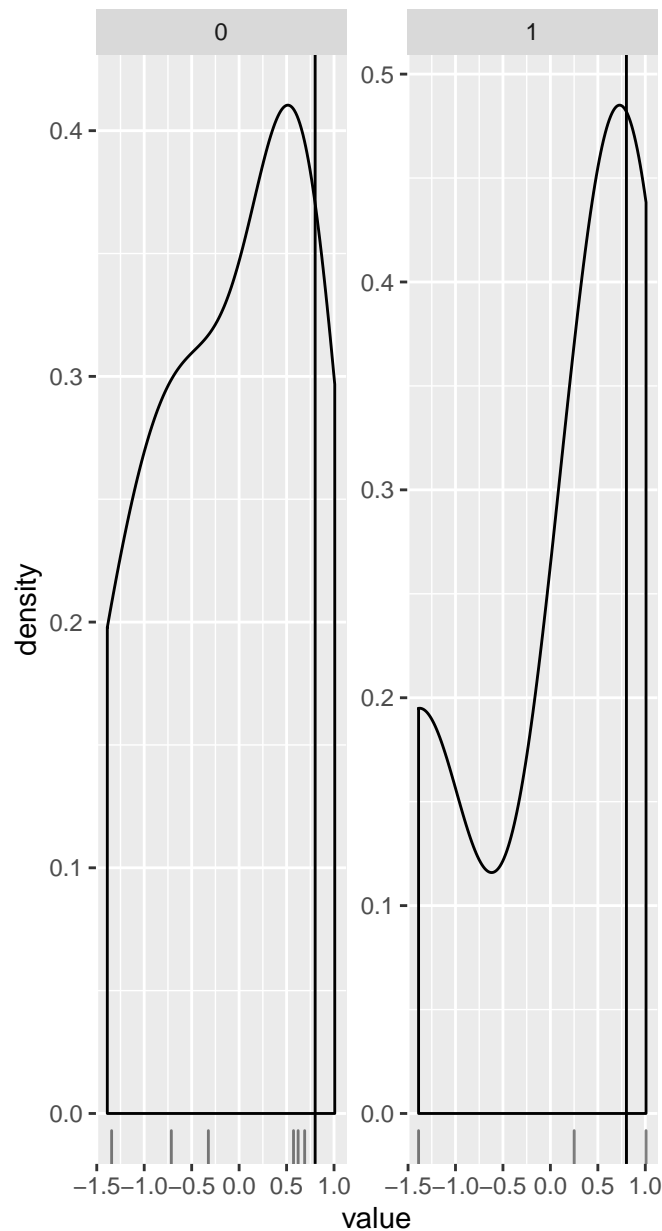


## ROC curve

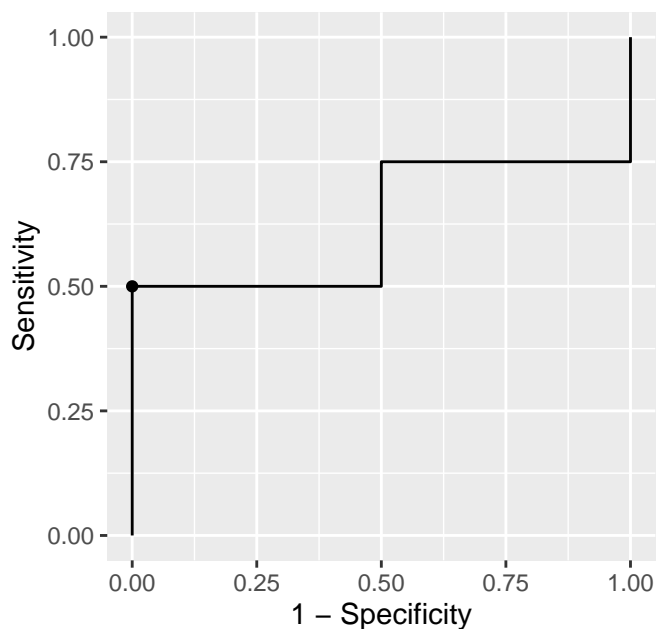


# Independent variable

optimal cutpoint and distribution by class

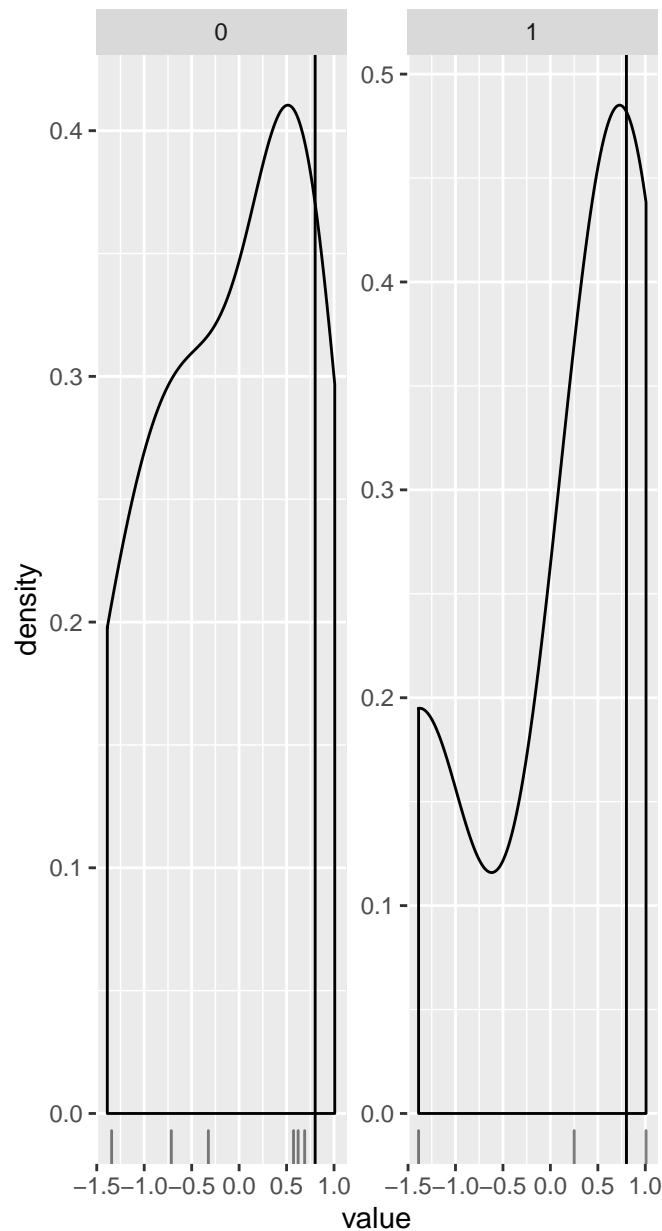


## ROC curve

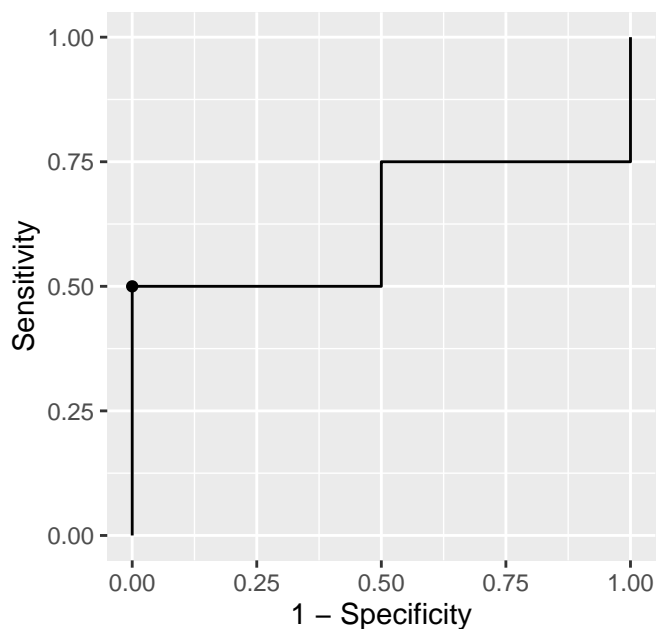


# Independent variable

optimal cutpoint and distribution by class

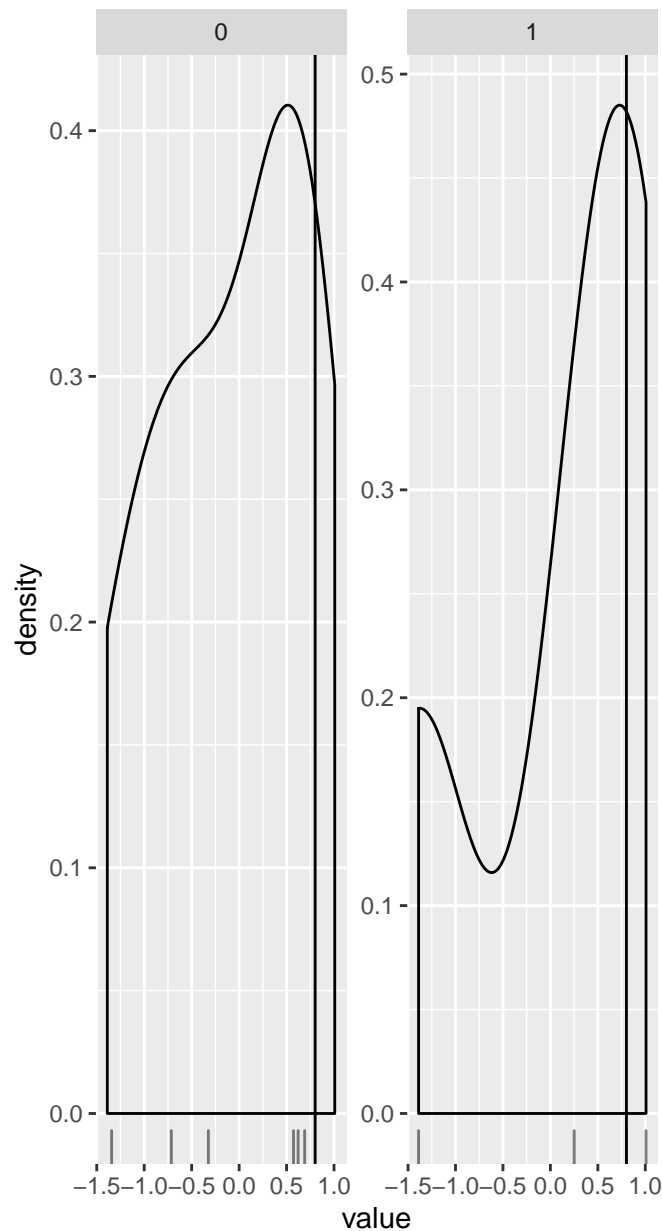


## ROC curve

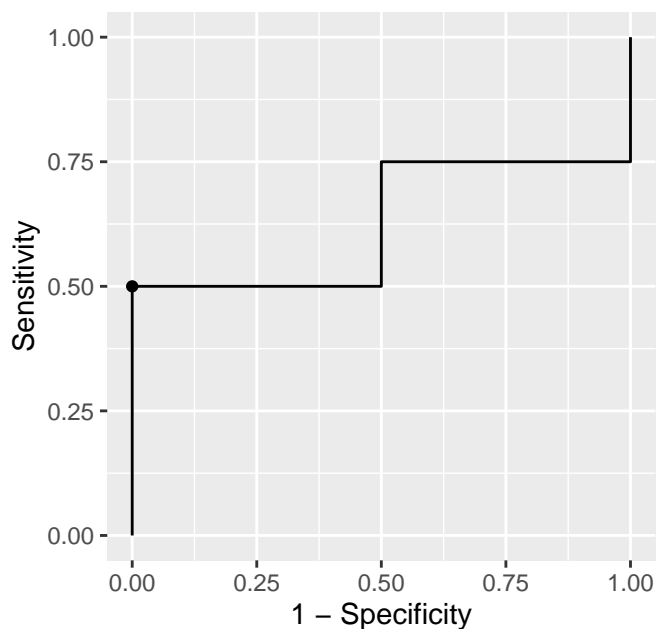


# Independent variable

optimal cutpoint and distribution by class

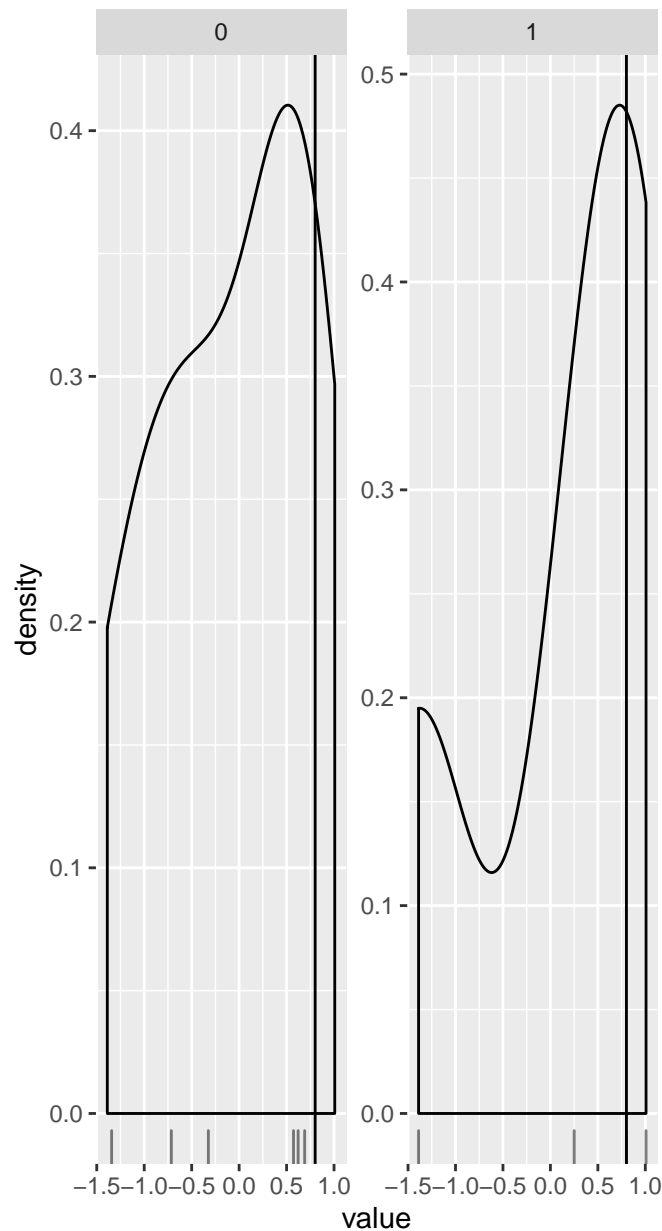


## ROC curve

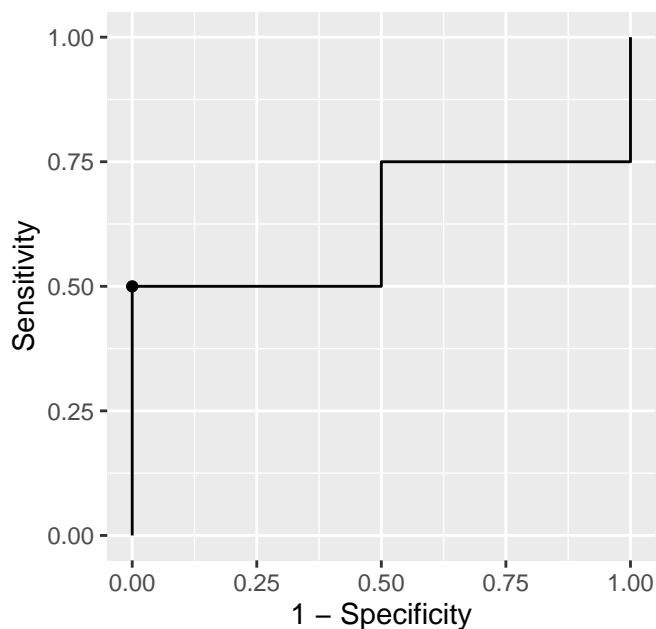


# Independent variable

optimal cutpoint and distribution by class

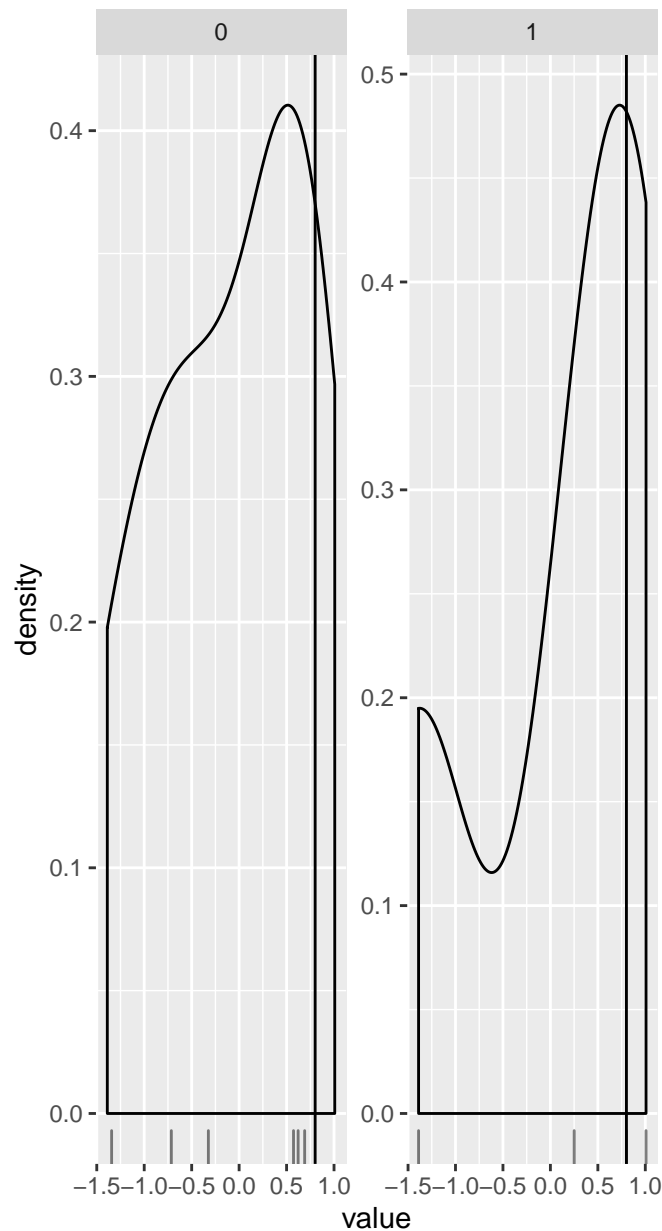


## ROC curve

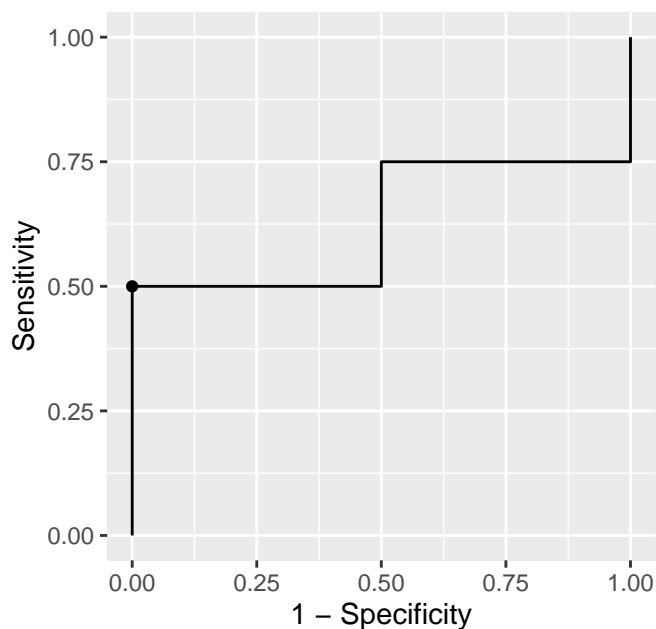


# Independent variable

optimal cutpoint and distribution by class

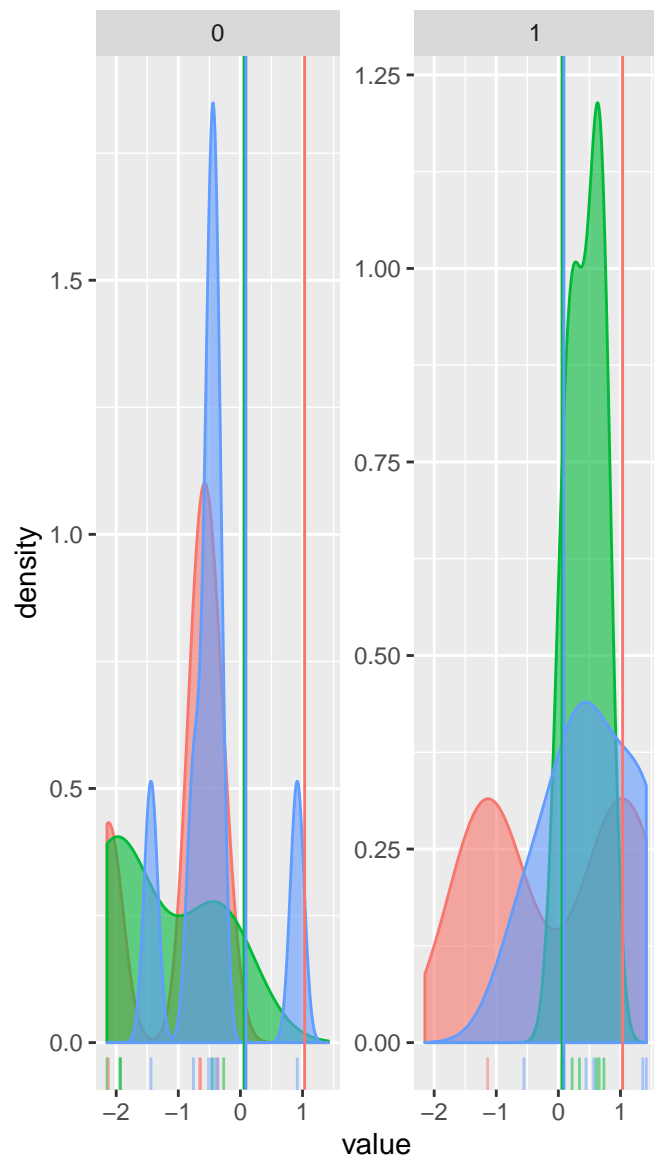


## ROC curve



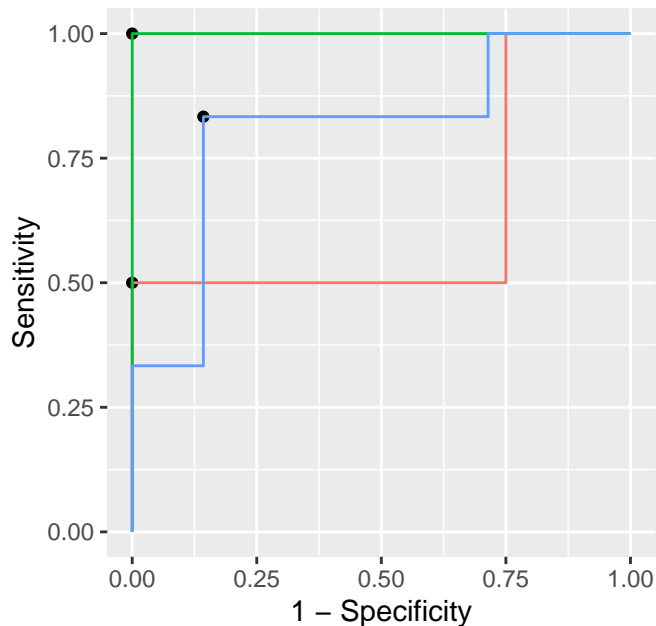
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

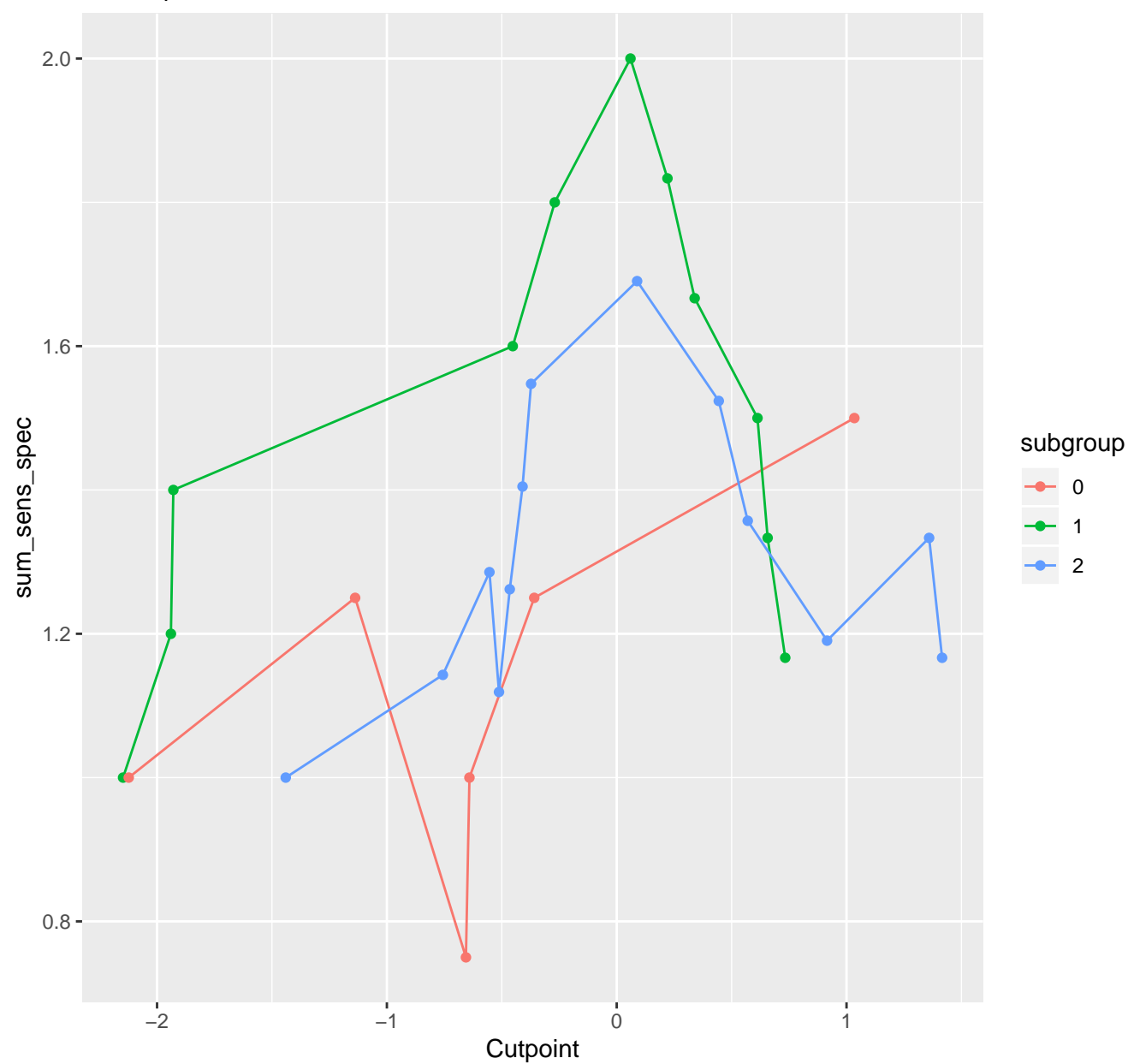
by class



Subgroup 0 1 2

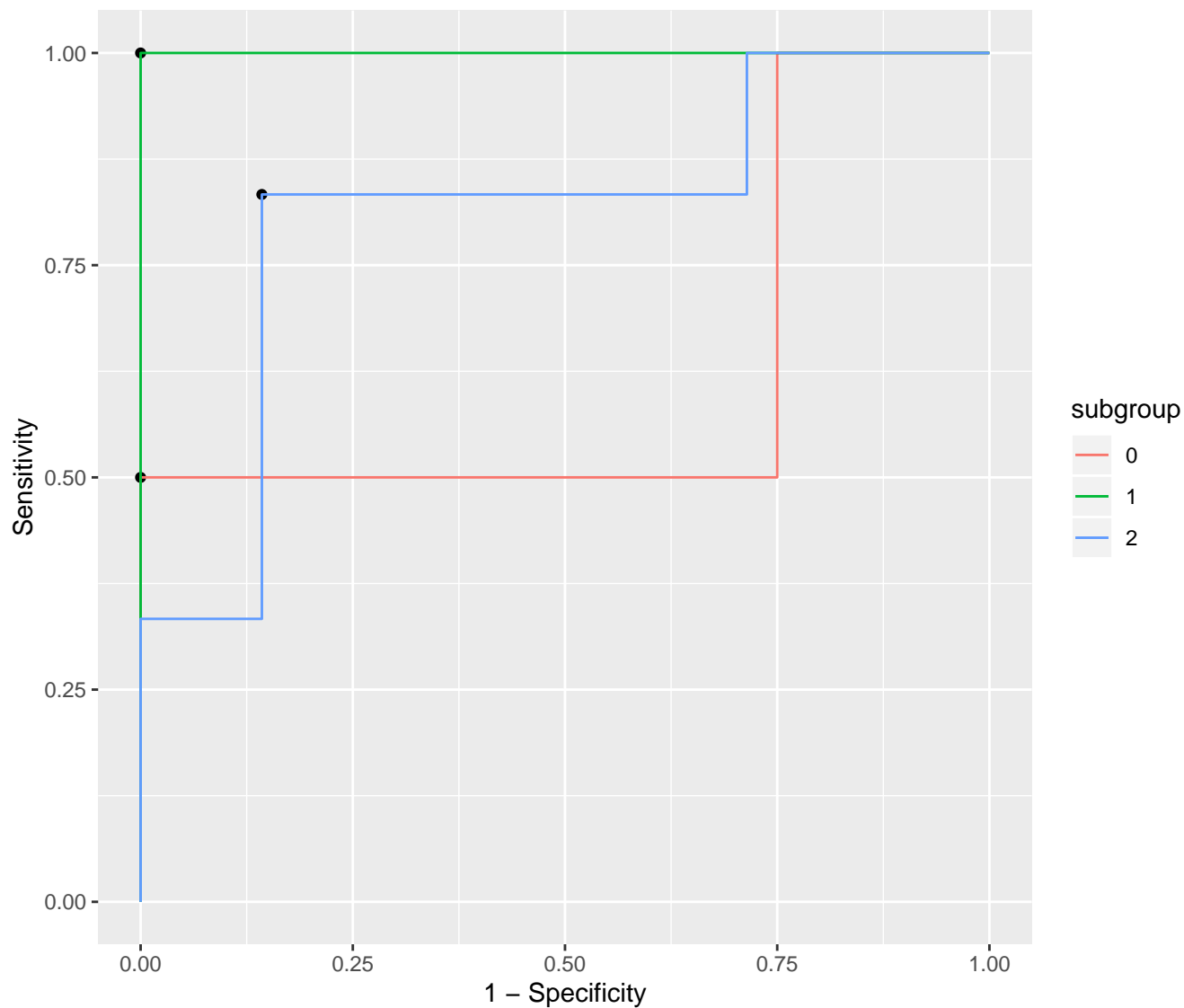
# Metric values by cutpoint value

in-sample results



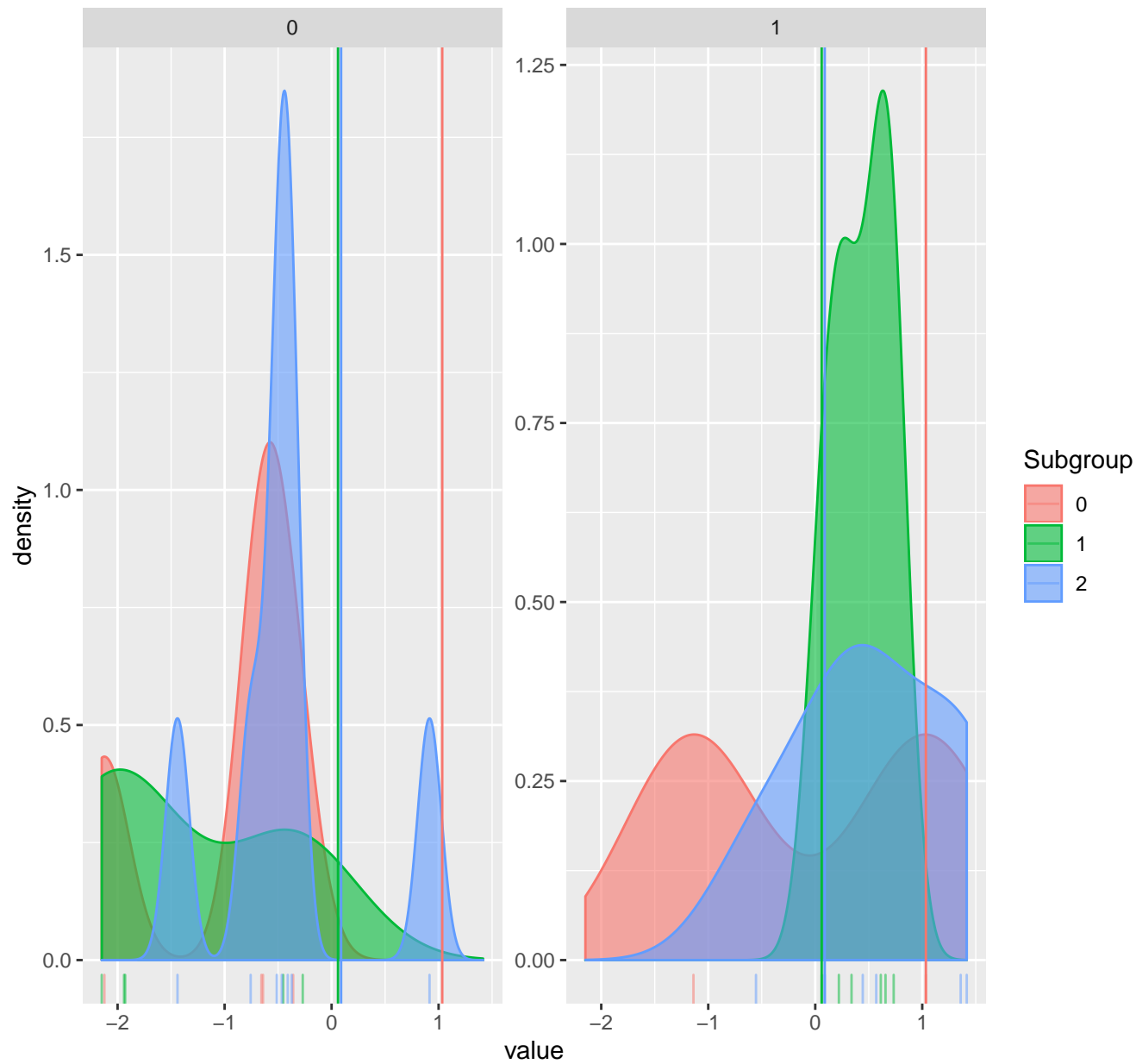
# ROC curve

by class

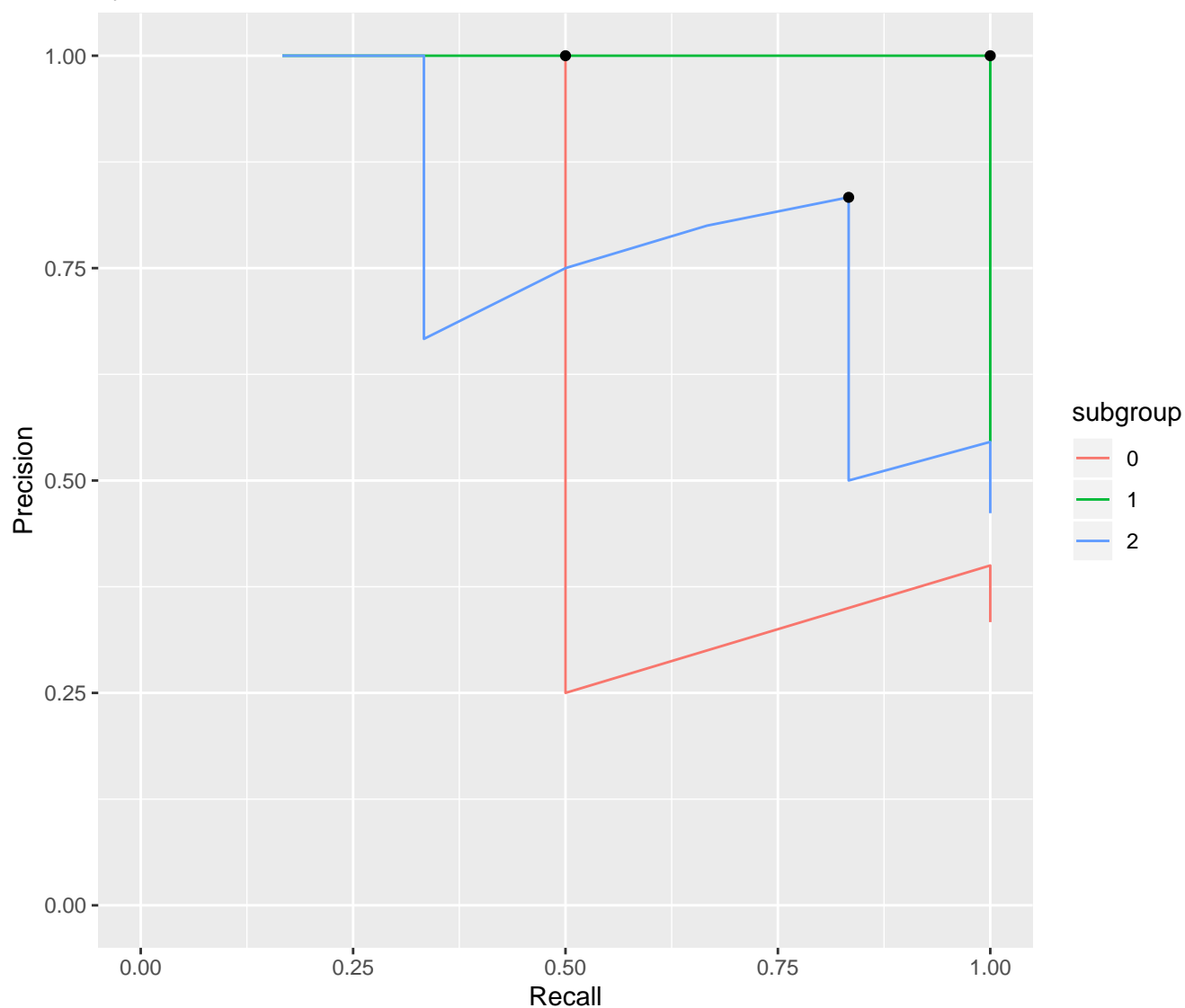


# Independent variable

optimal cutpoint and distribution by class

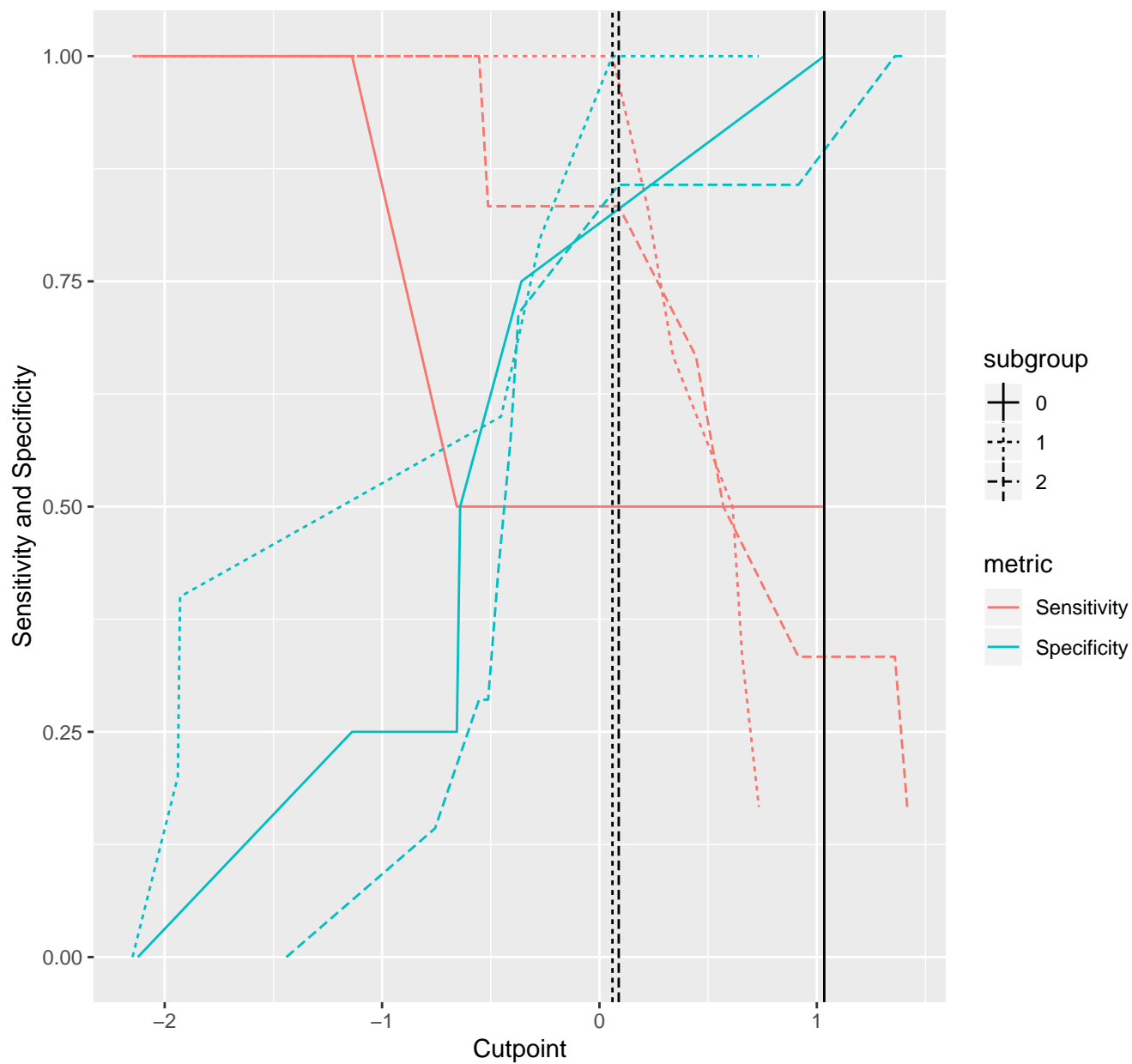


Precision recall plot  
by class



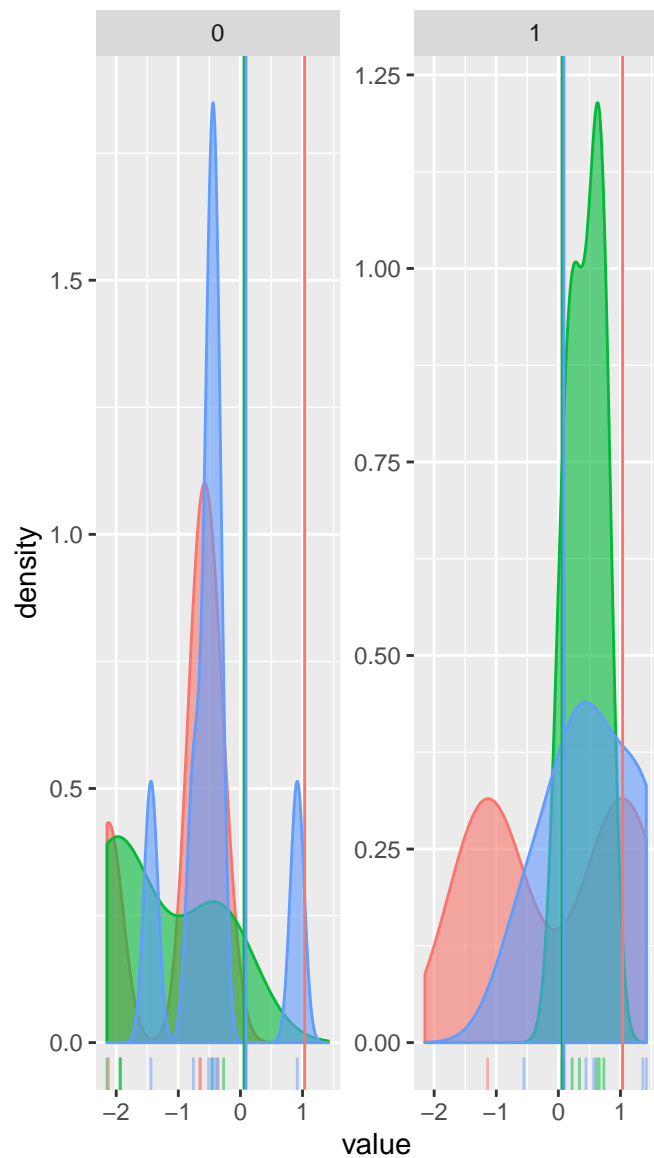
# Sensitivity and specificity plot

by class



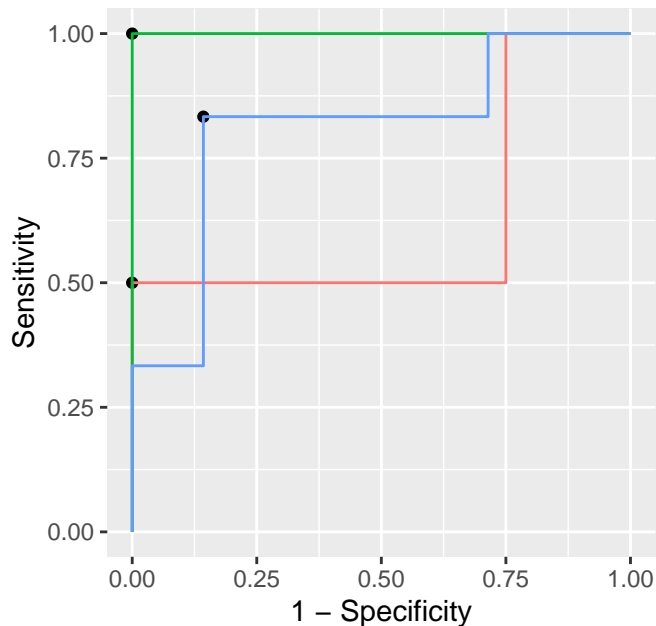
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

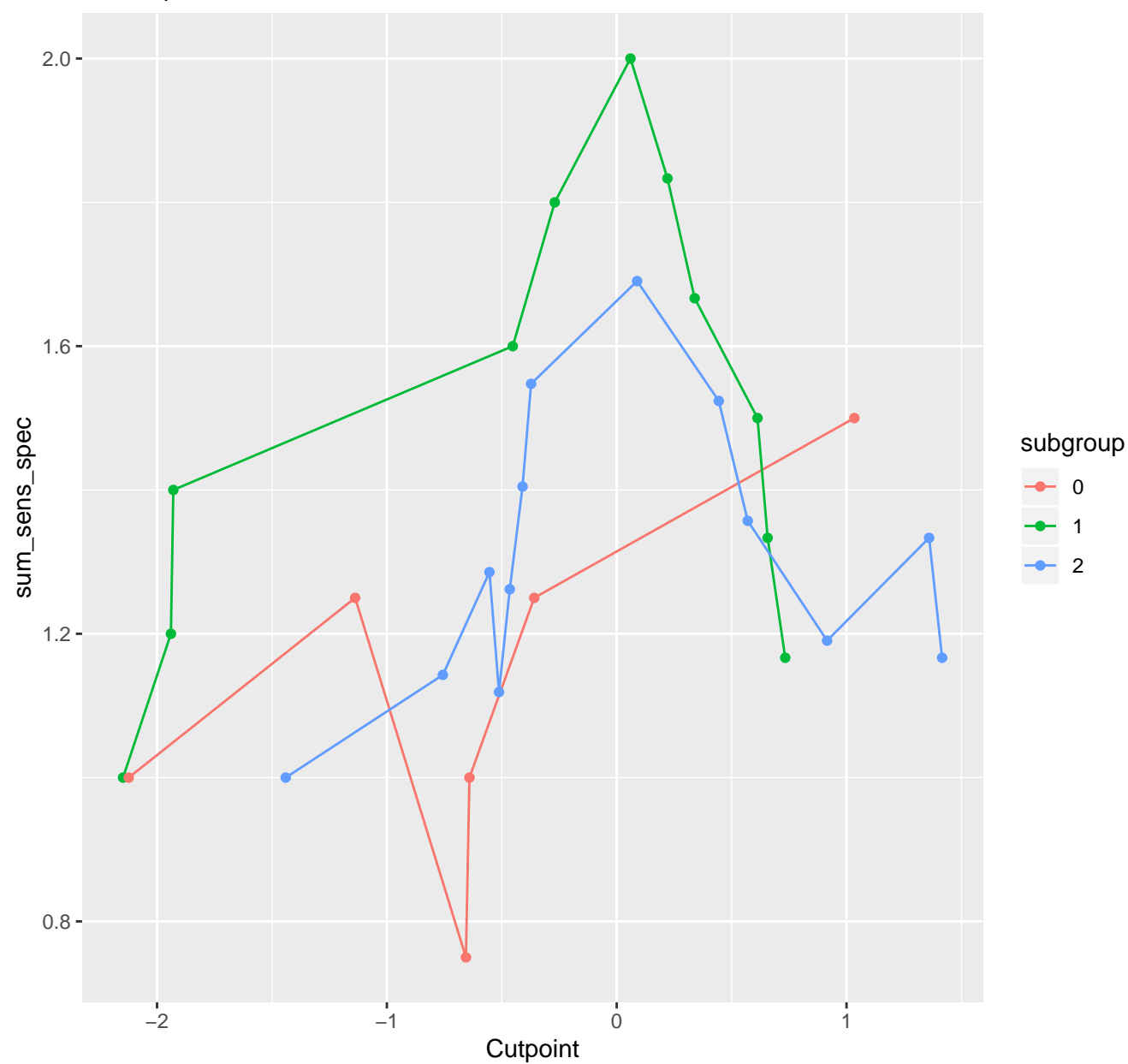
by class



Subgroup 0 1 2

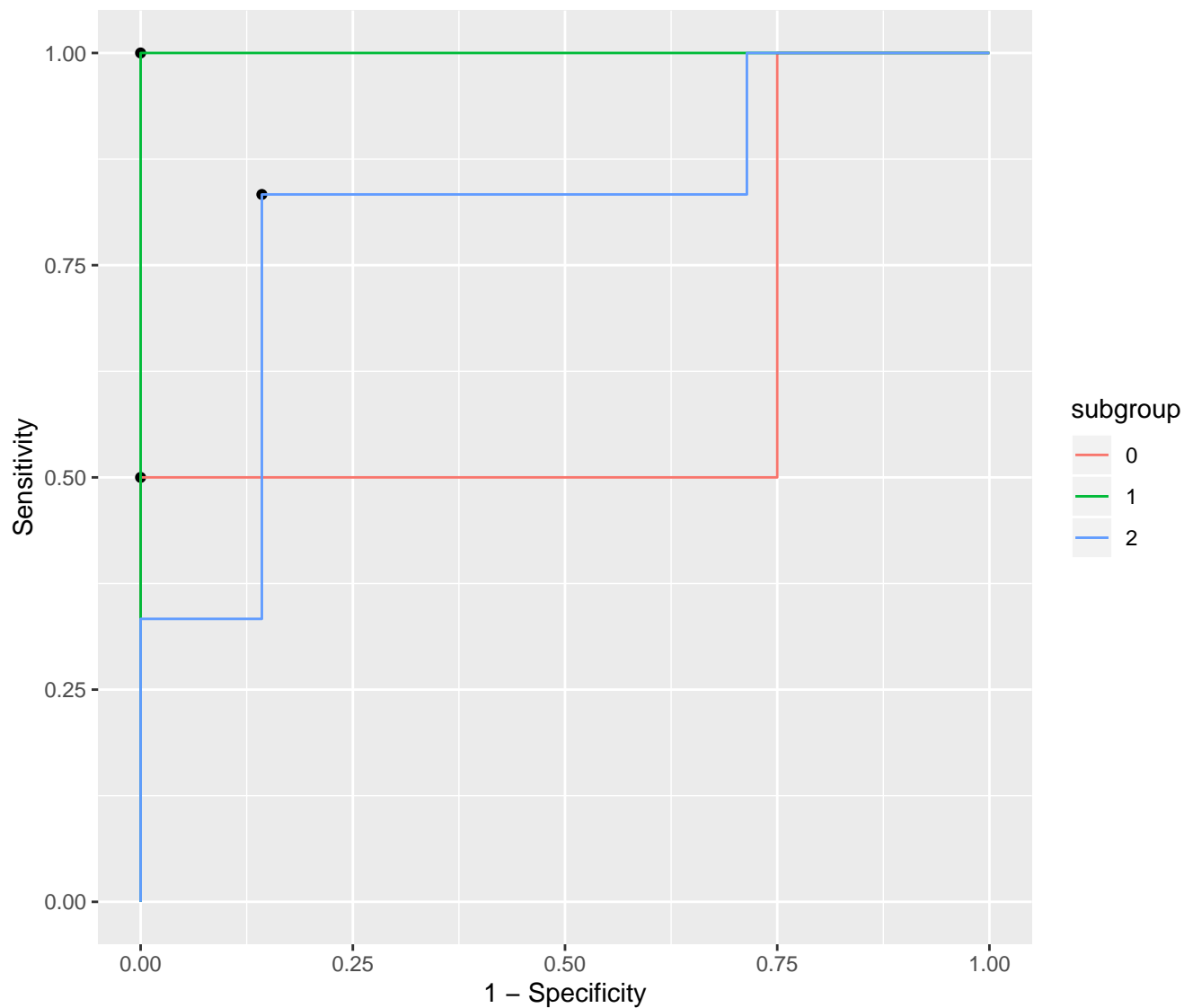
# Metric values by cutpoint value

in-sample results



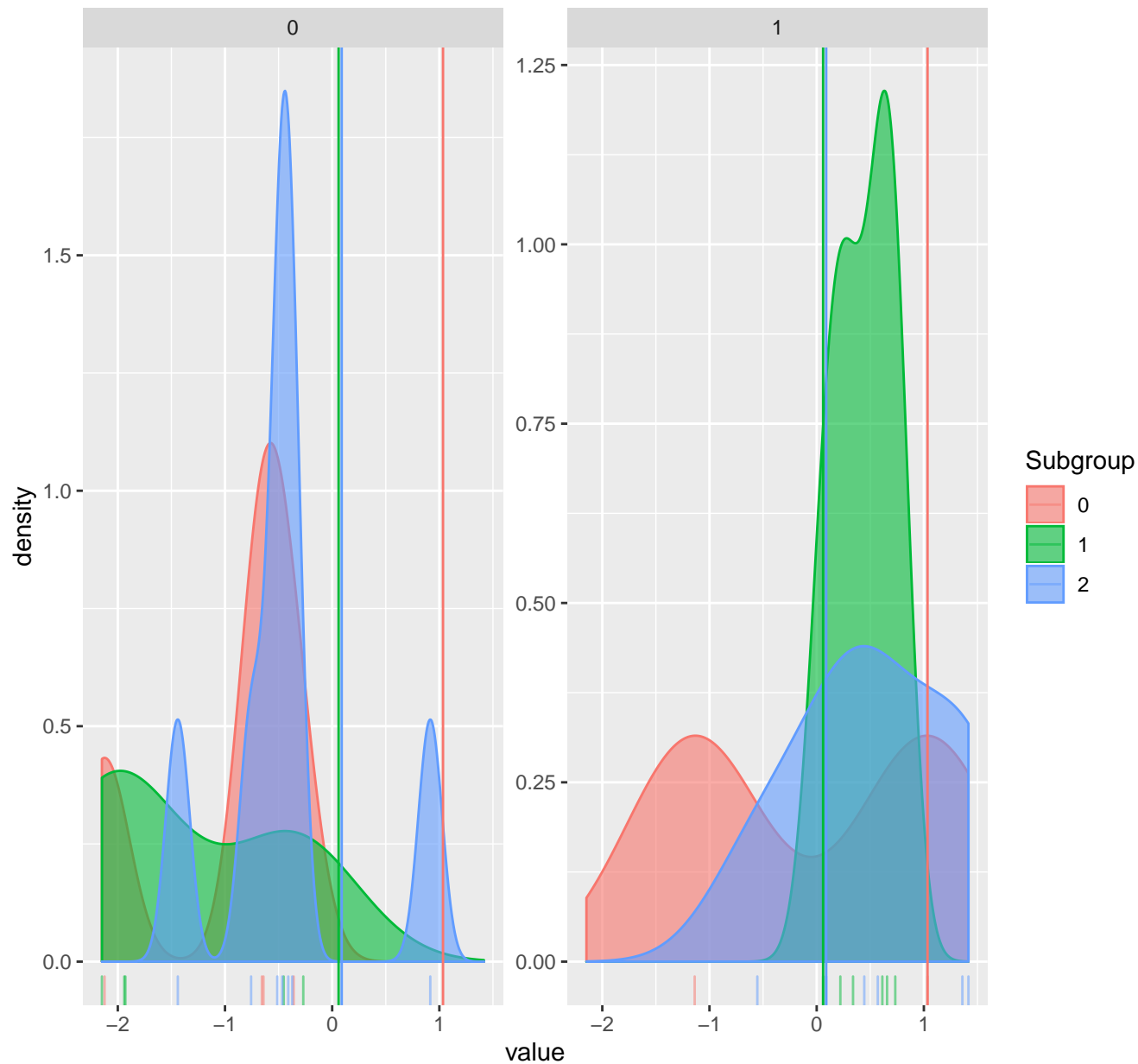
# ROC curve

by class

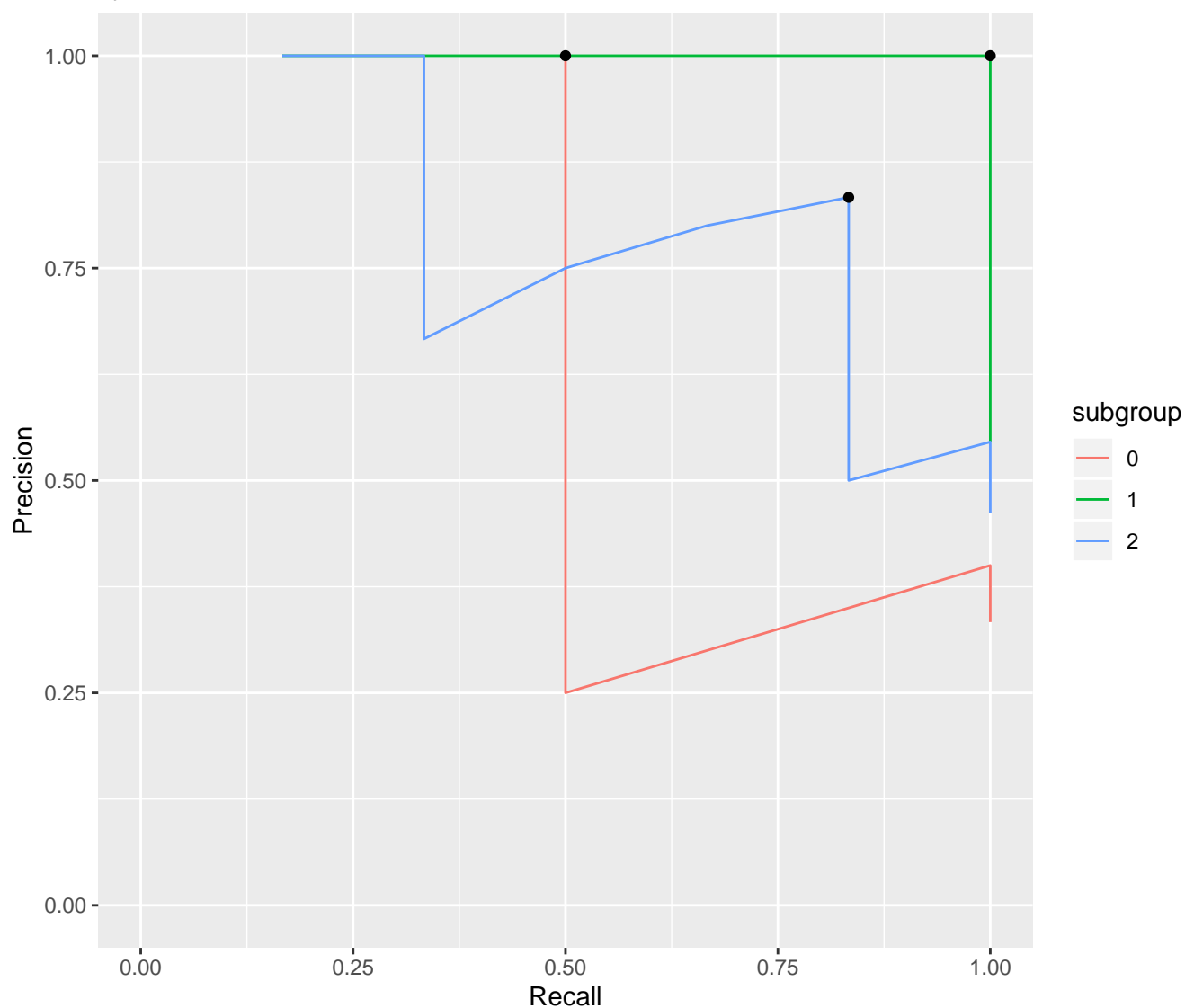


# Independent variable

optimal cutpoint and distribution by class

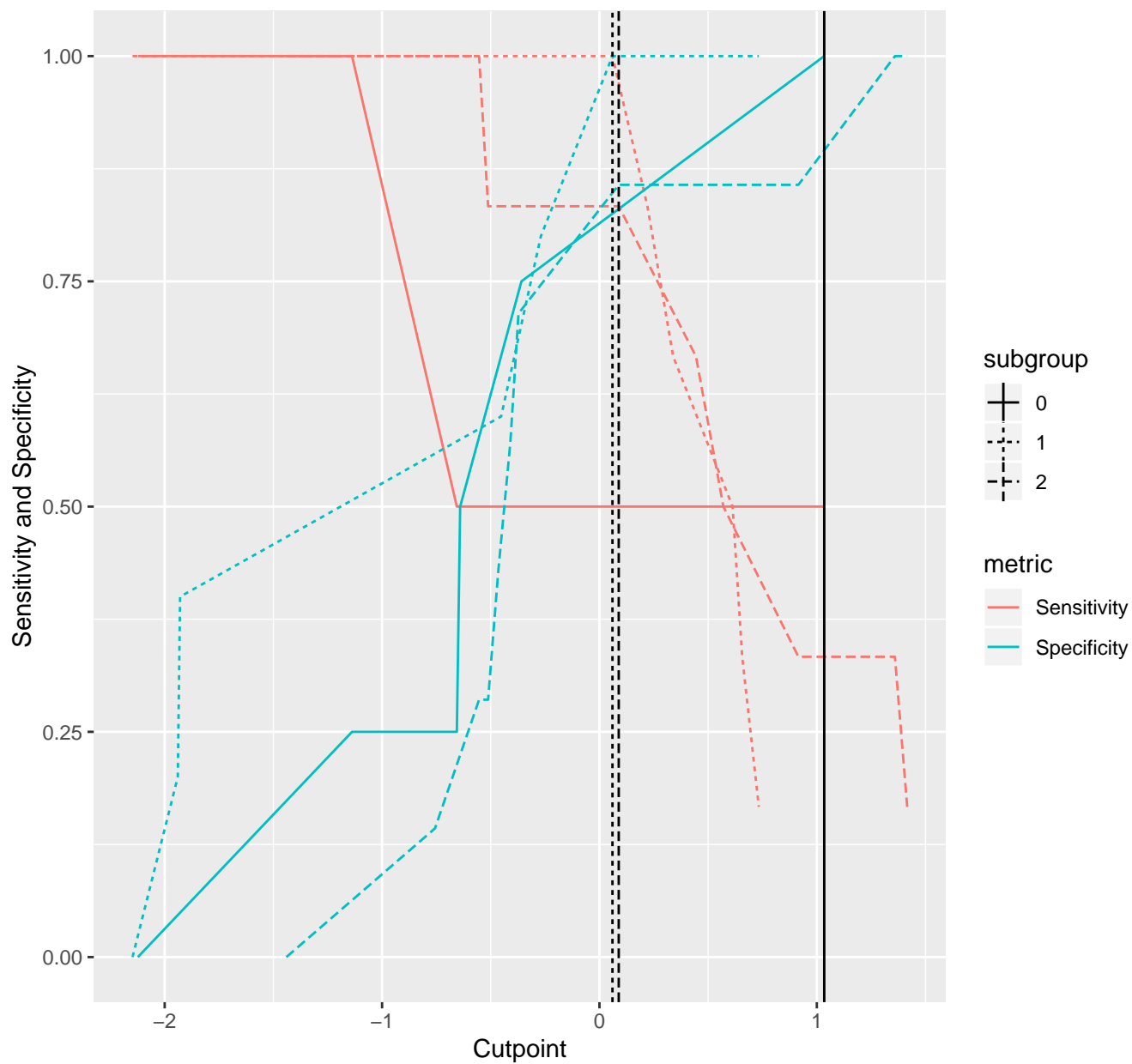


Precision recall plot  
by class



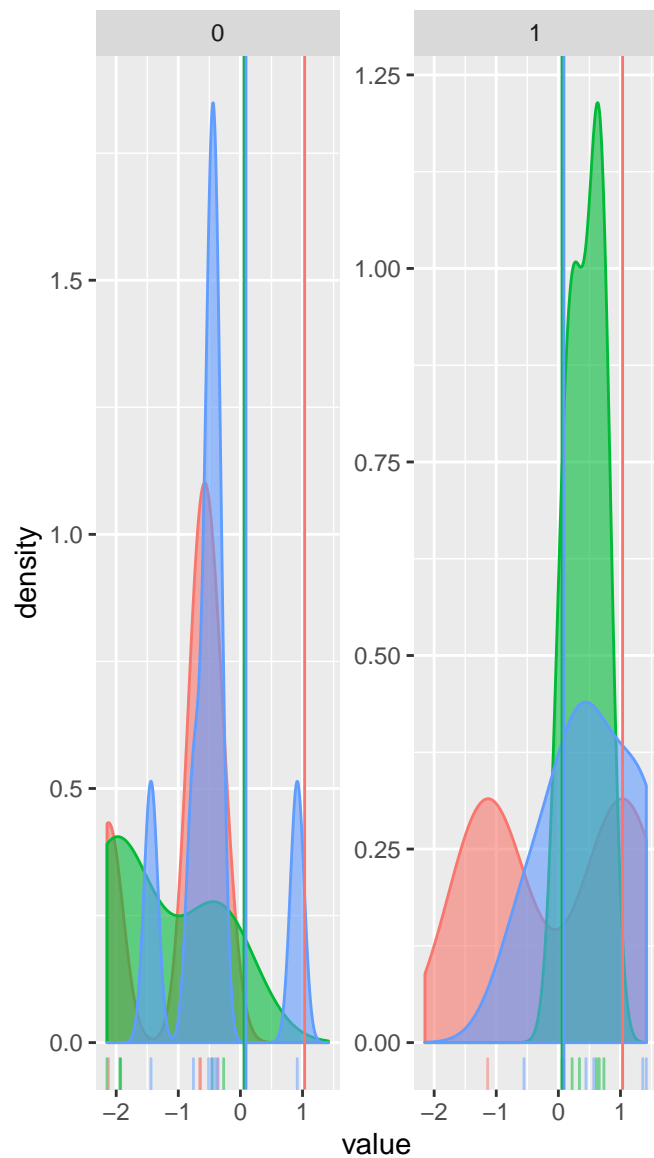
# Sensitivity and specificity plot

by class



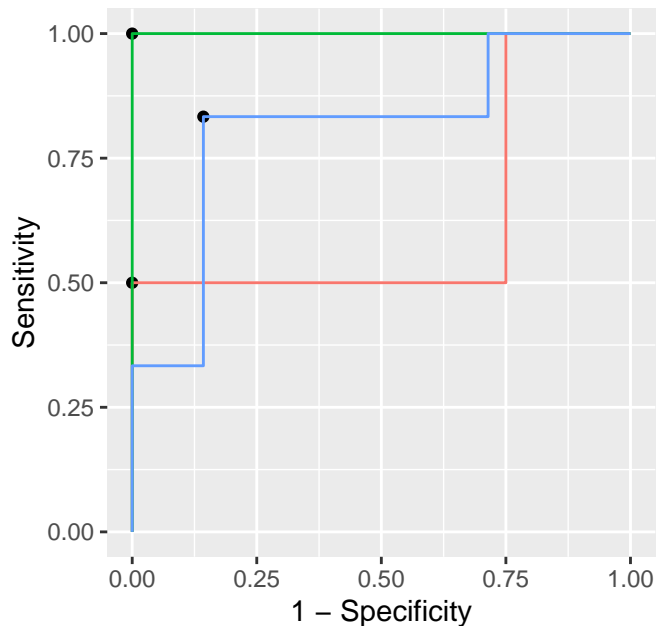
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

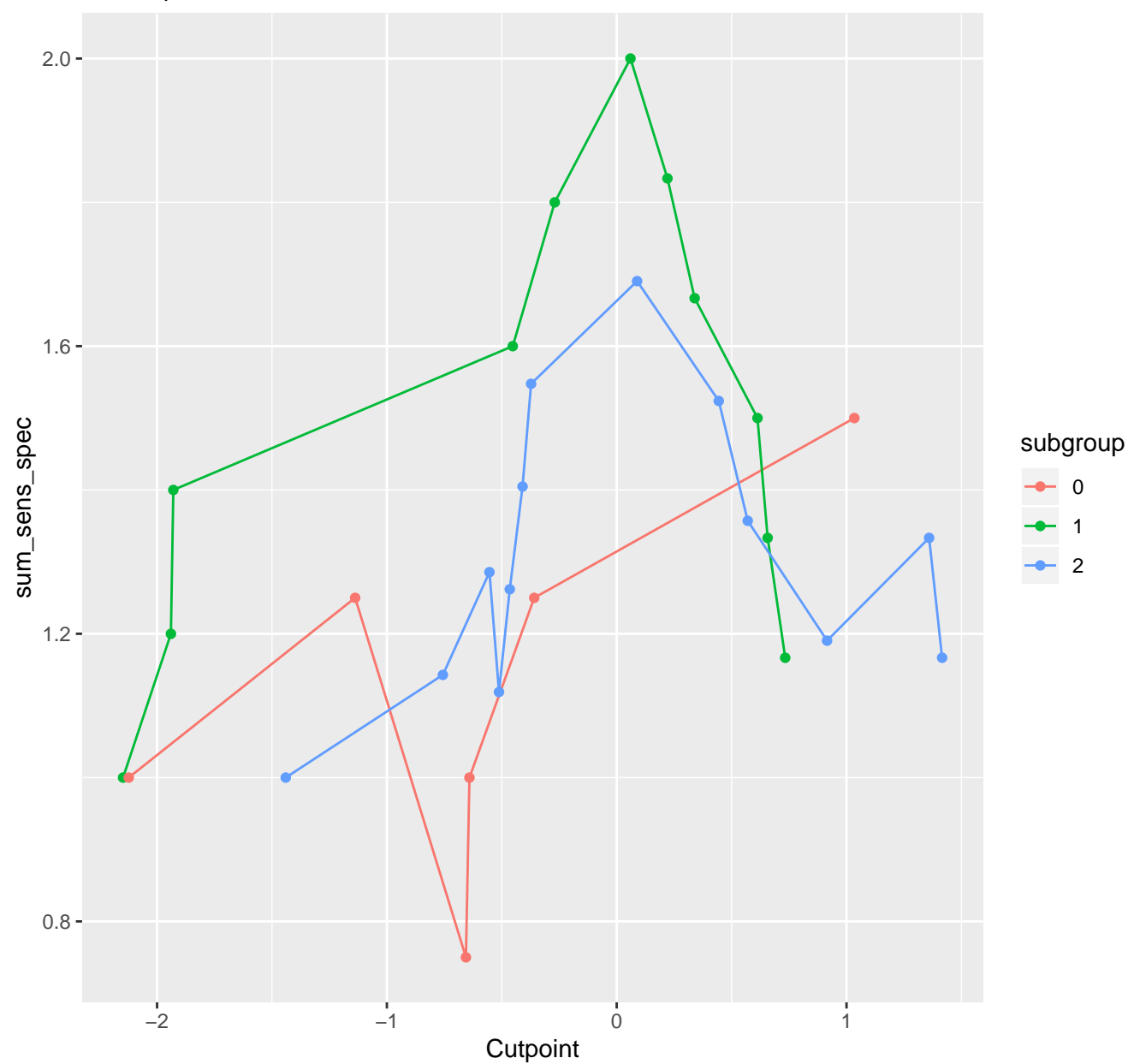
by class



Subgroup 0 1 2

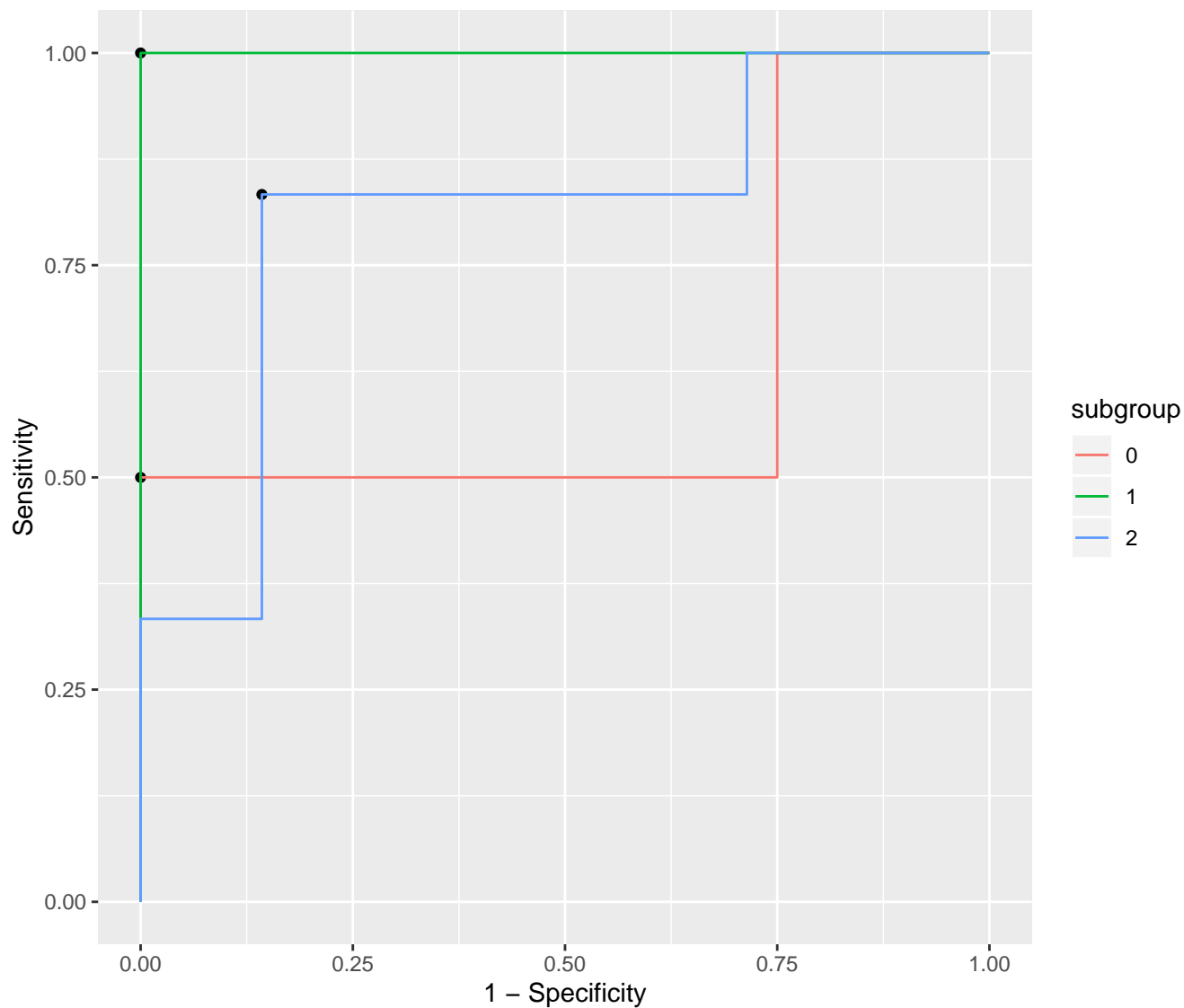
# Metric values by cutpoint value

in-sample results



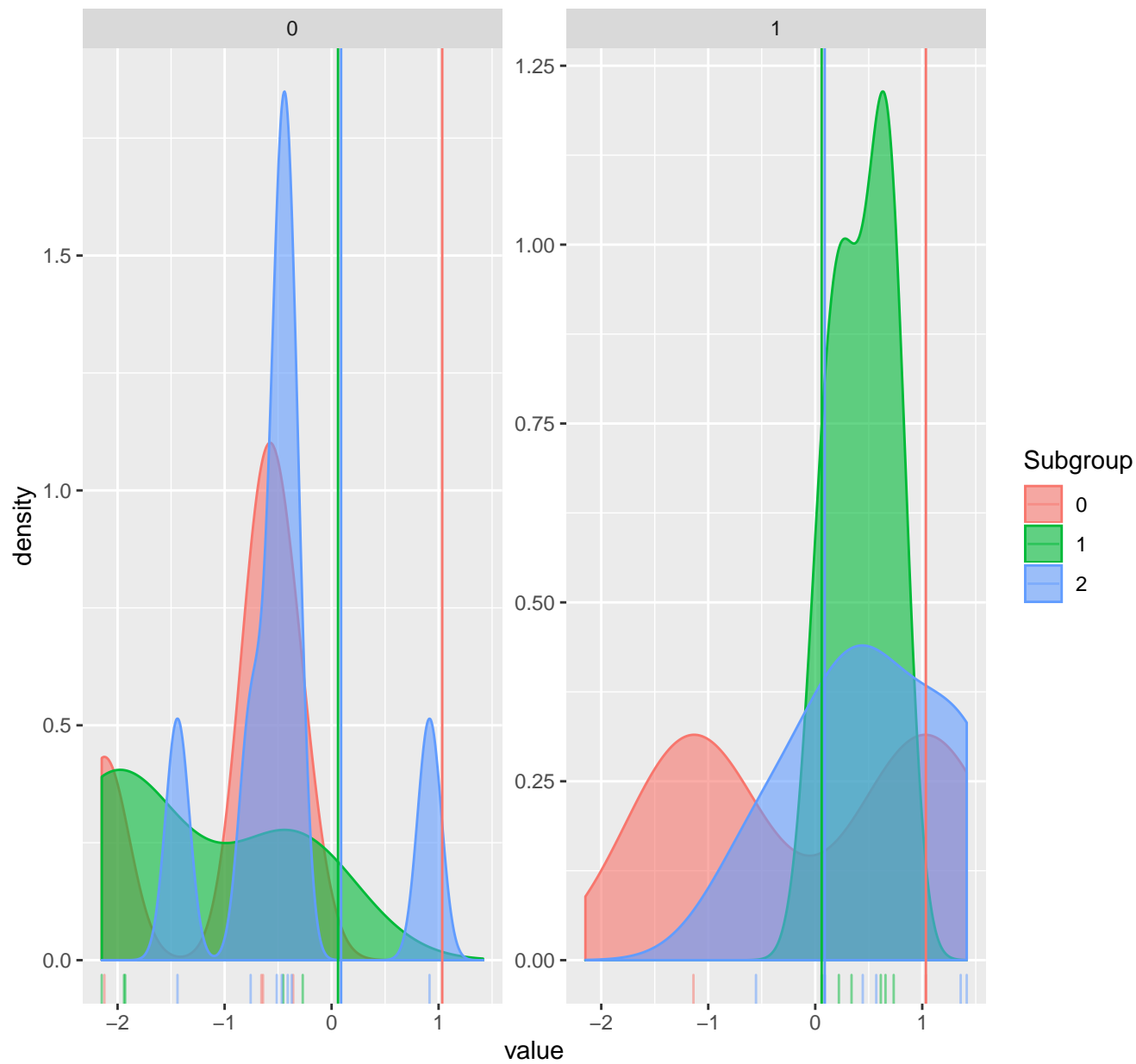
# ROC curve

by class

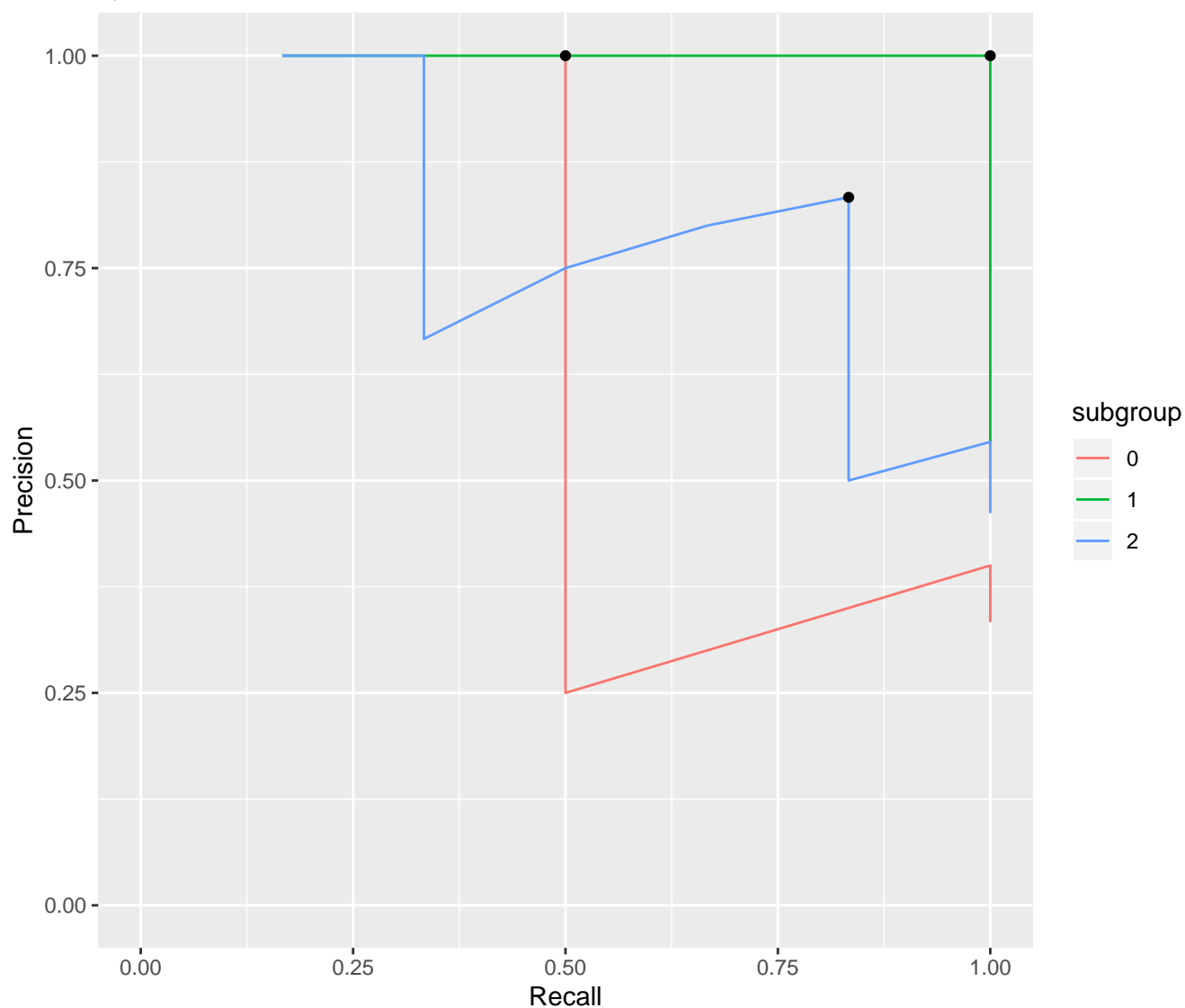


# Independent variable

optimal cutpoint and distribution by class

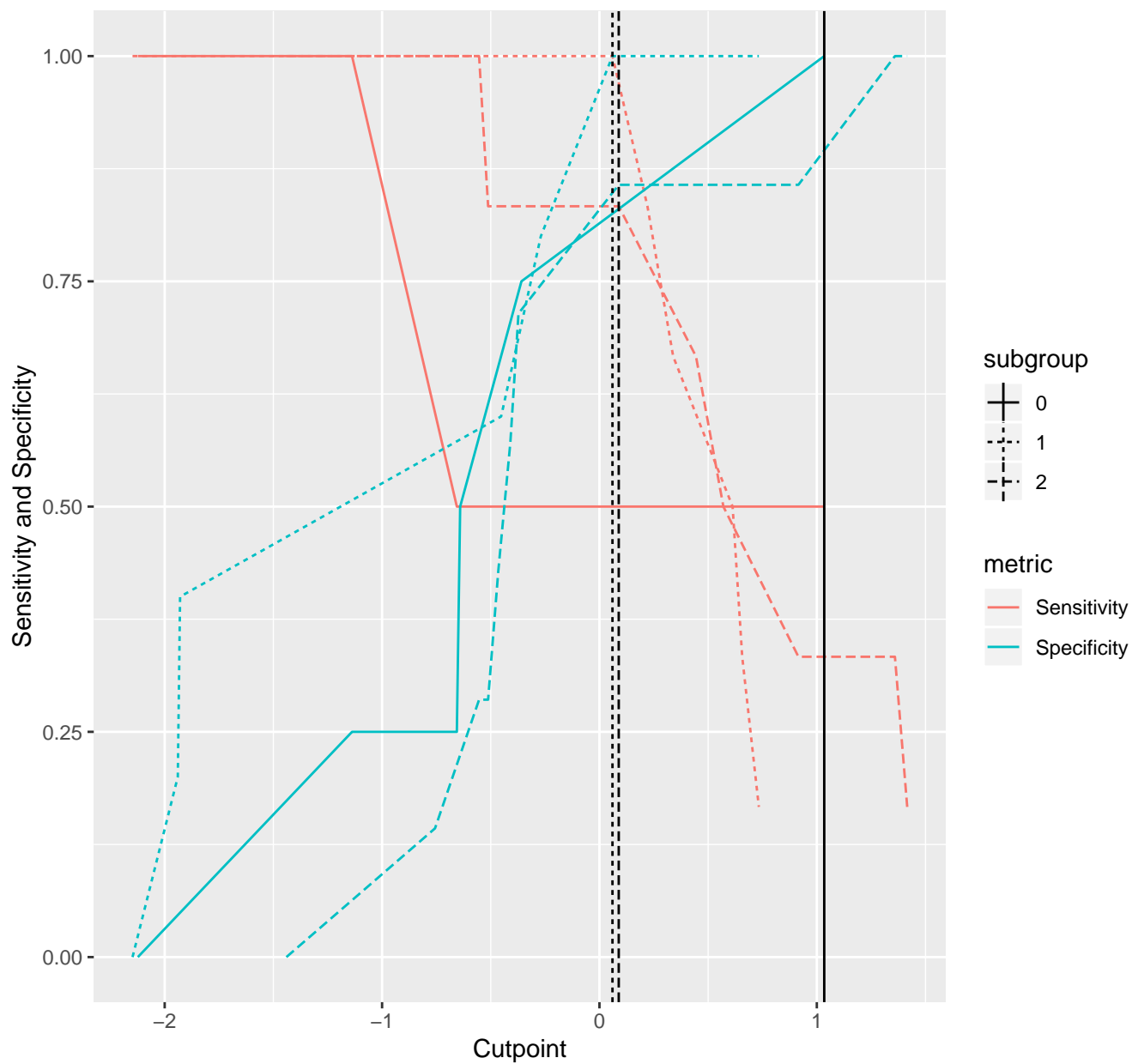


Precision recall plot  
by class



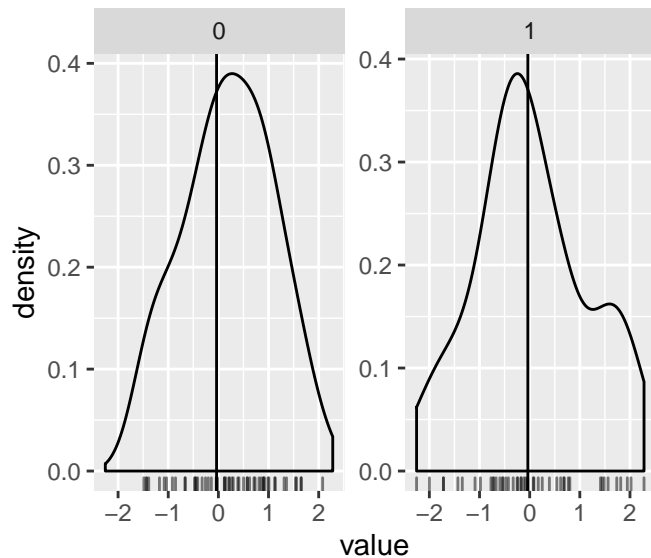
# Sensitivity and specificity plot

by class

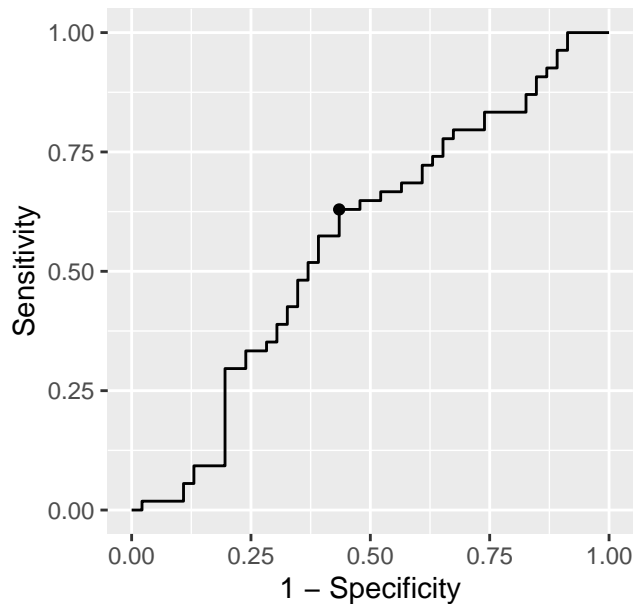


## Independent variable

optimal cutpoint and distribution by class

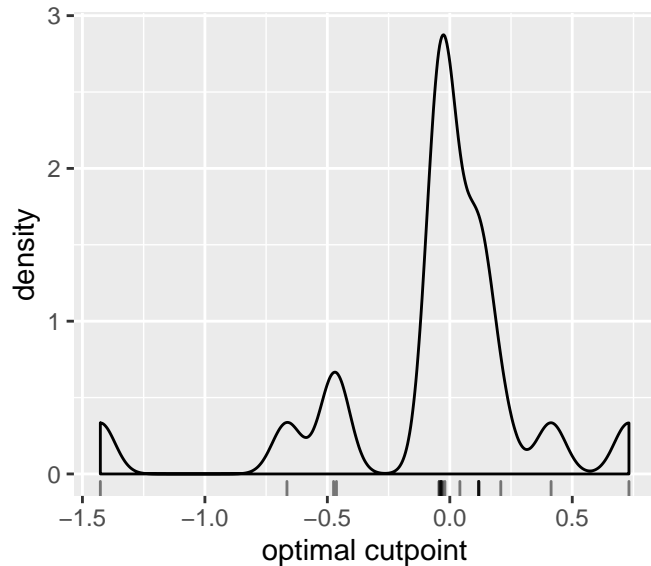


## ROC curve



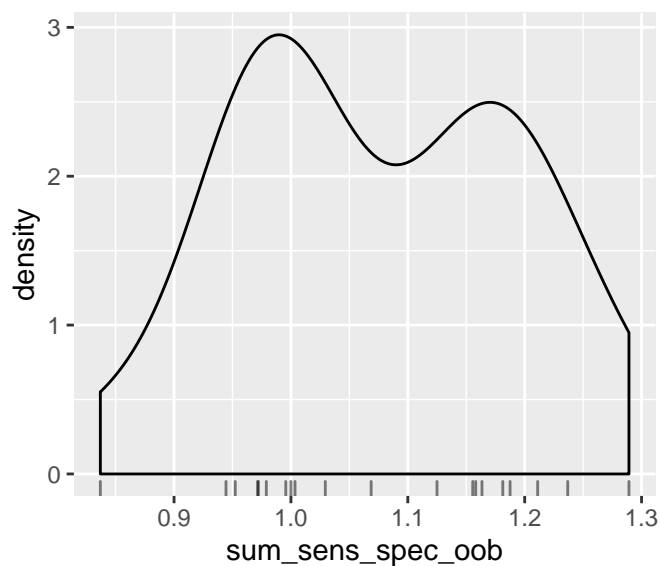
## Bootstrap

distribution of optimal cutpoints



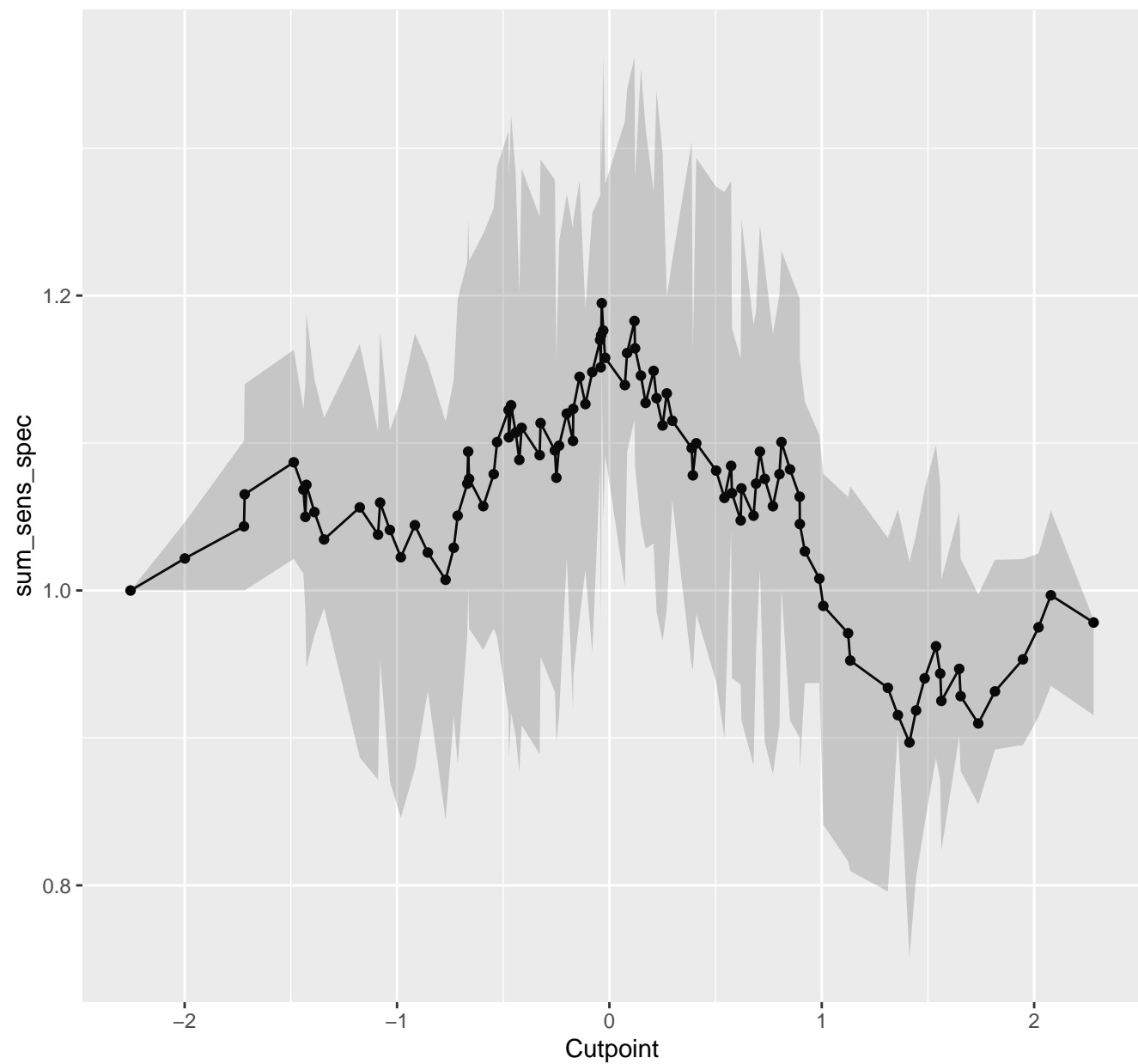
## Bootstrap

out-of-bag estimates

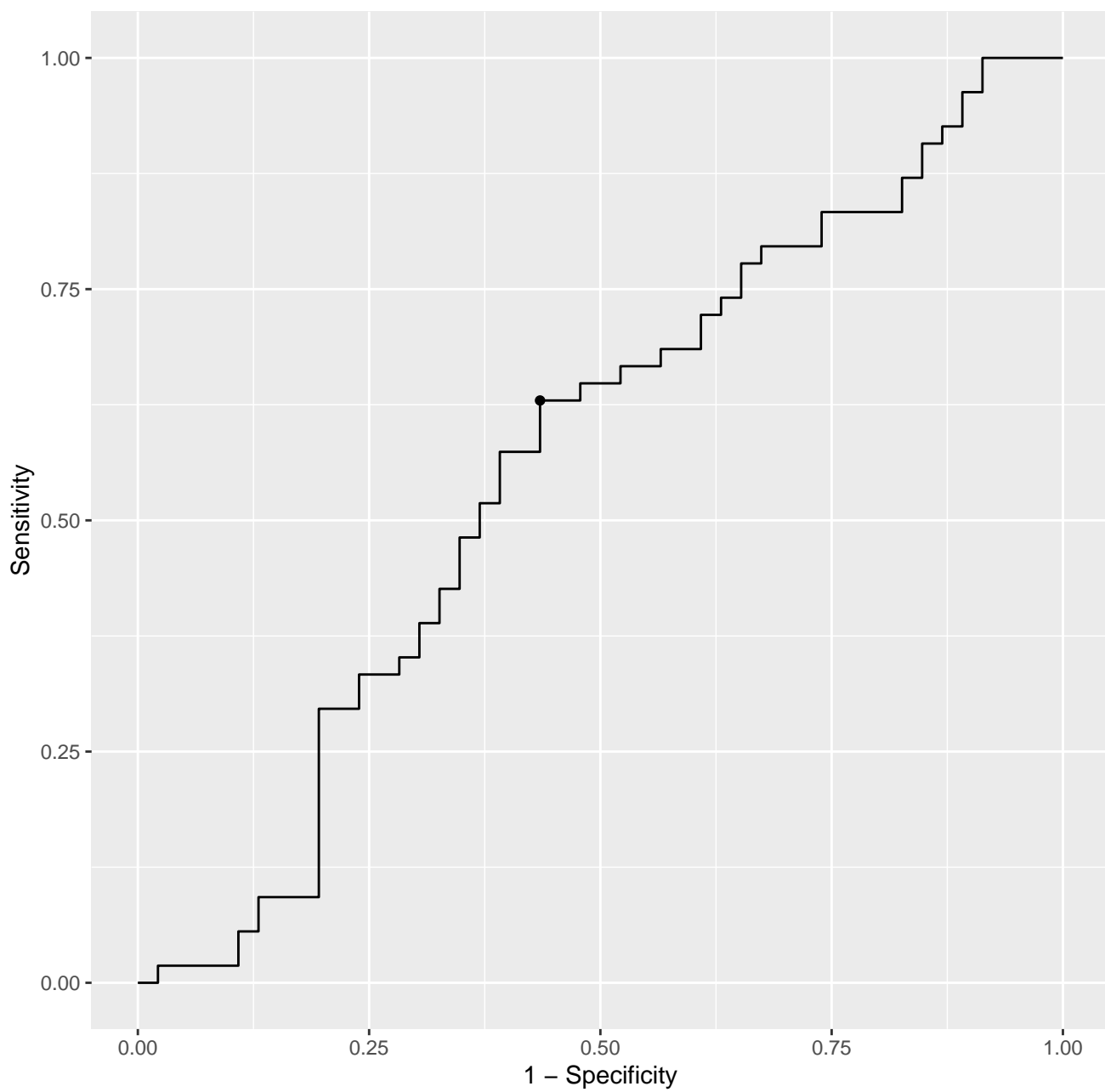


# Metric values by cutpoint value

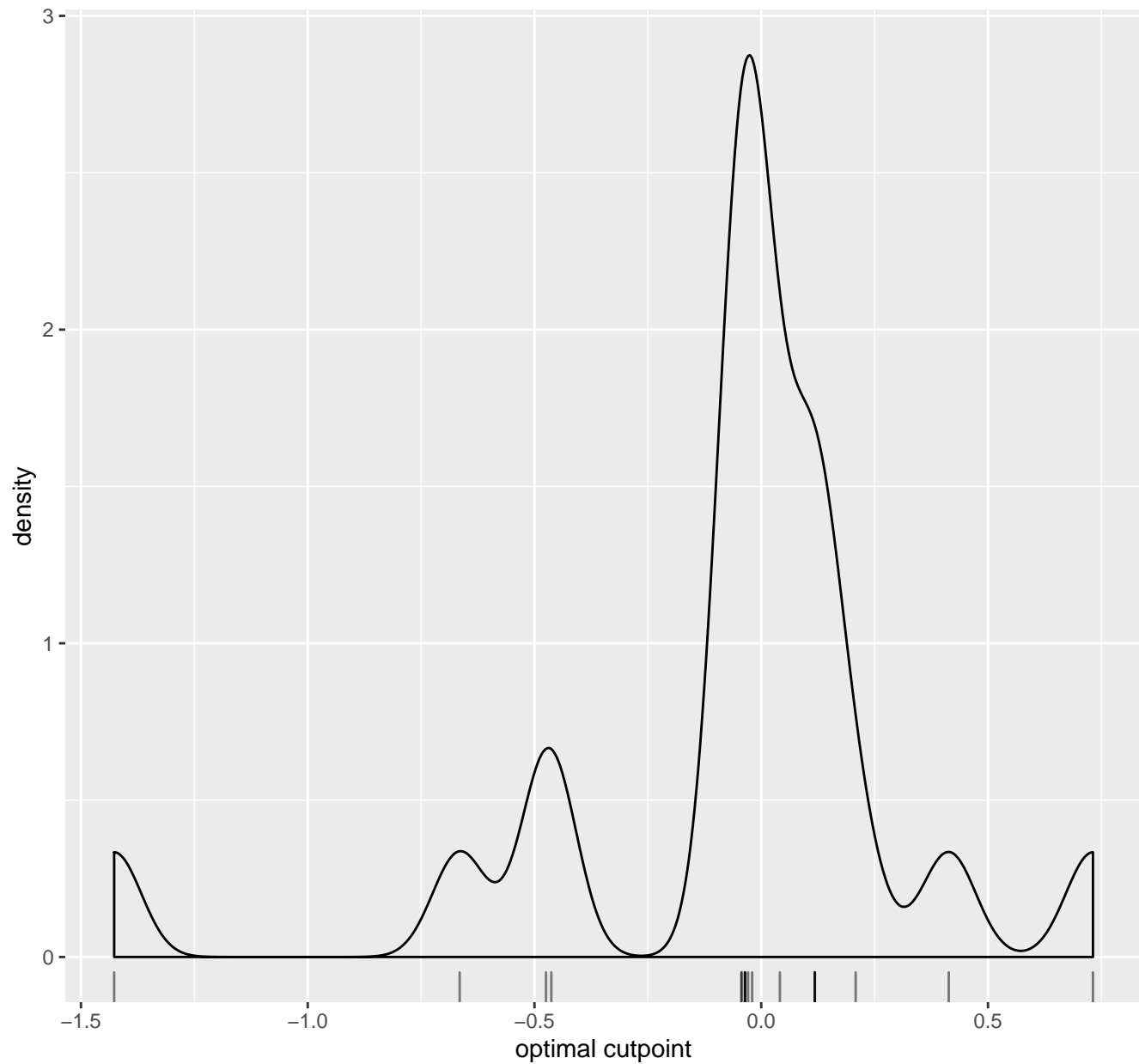
in-sample results



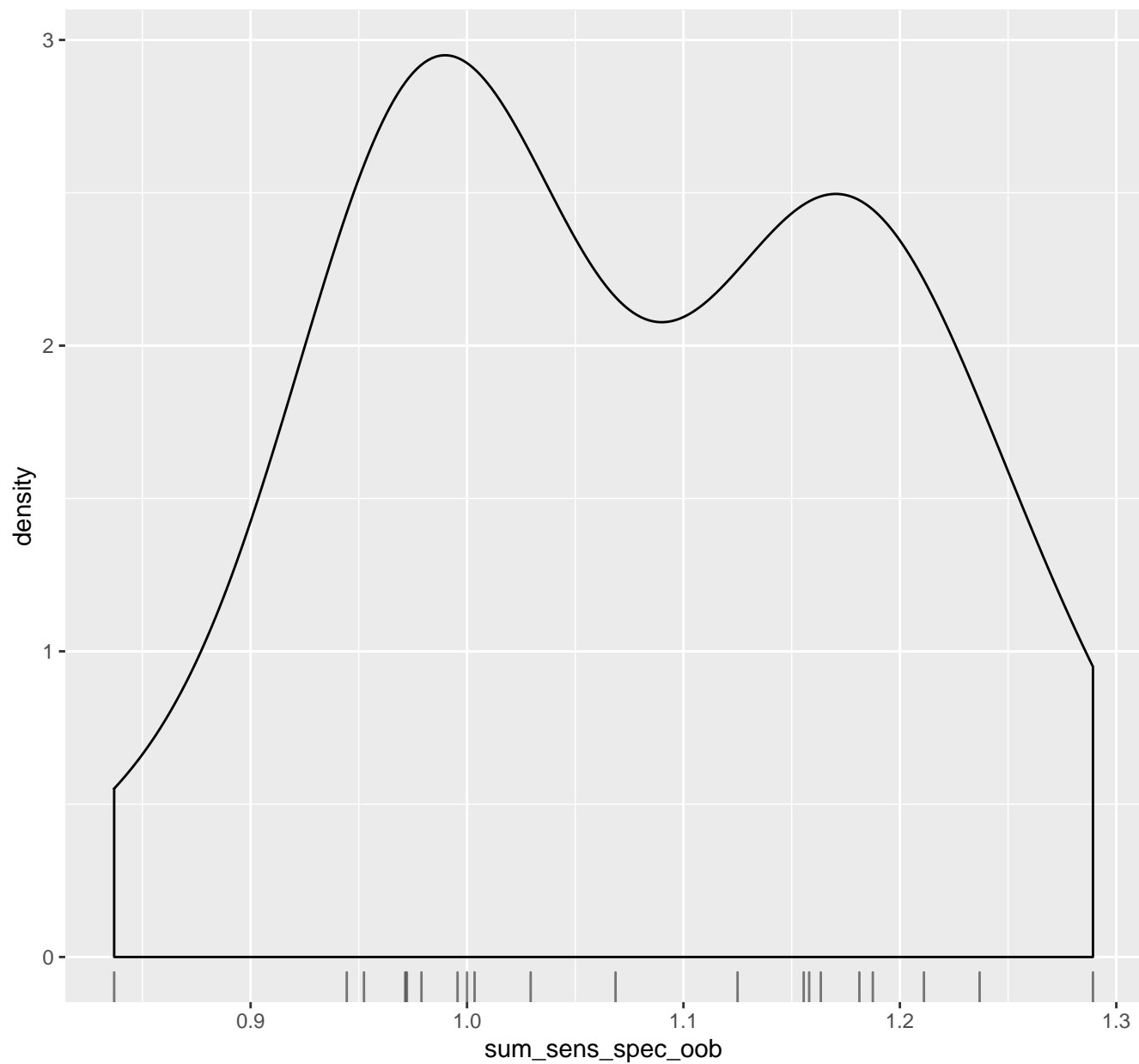
ROC curve



Bootstrap  
distribution of optimal cutpoints

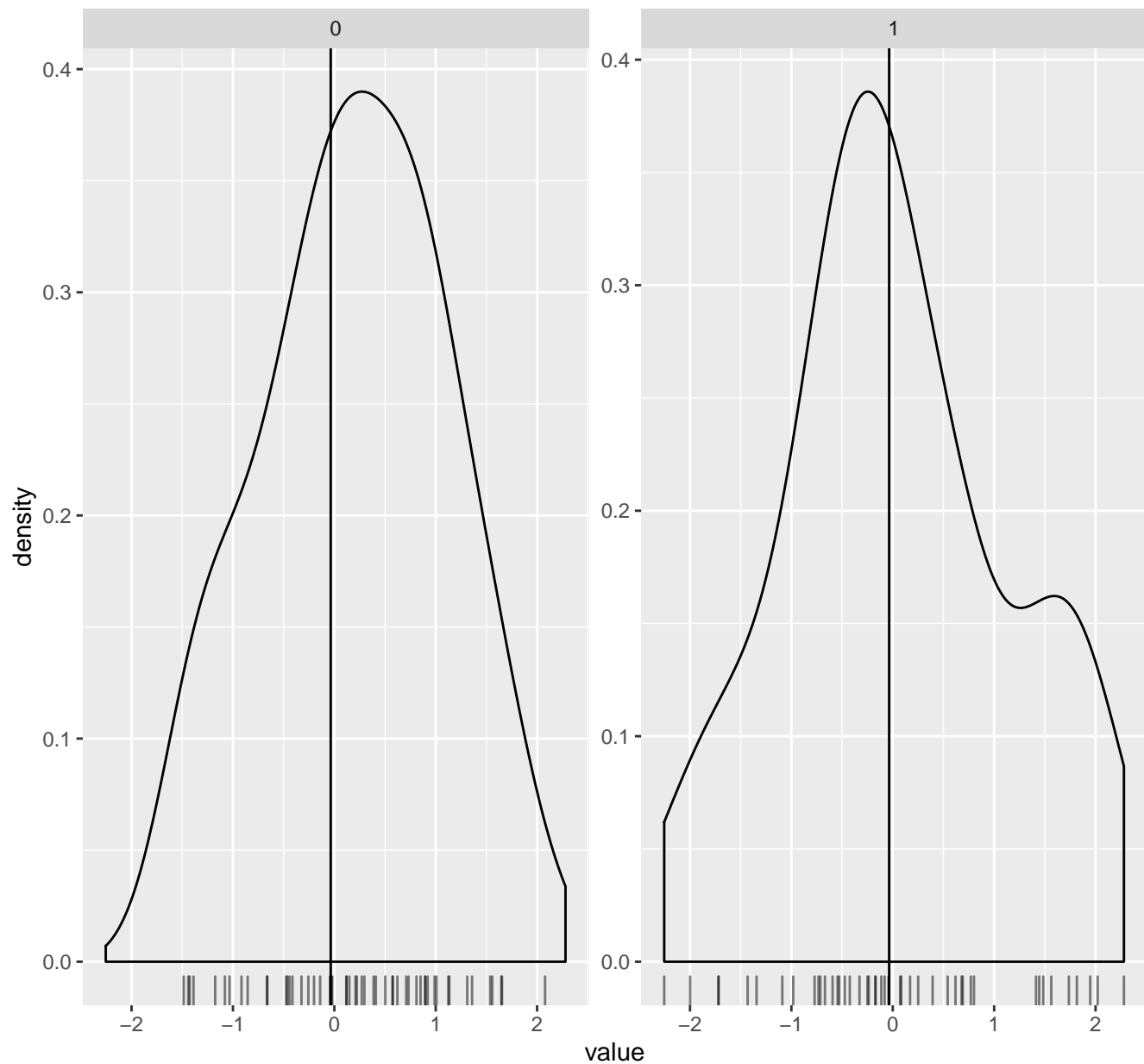


# Bootstrap out-of-bag estimates

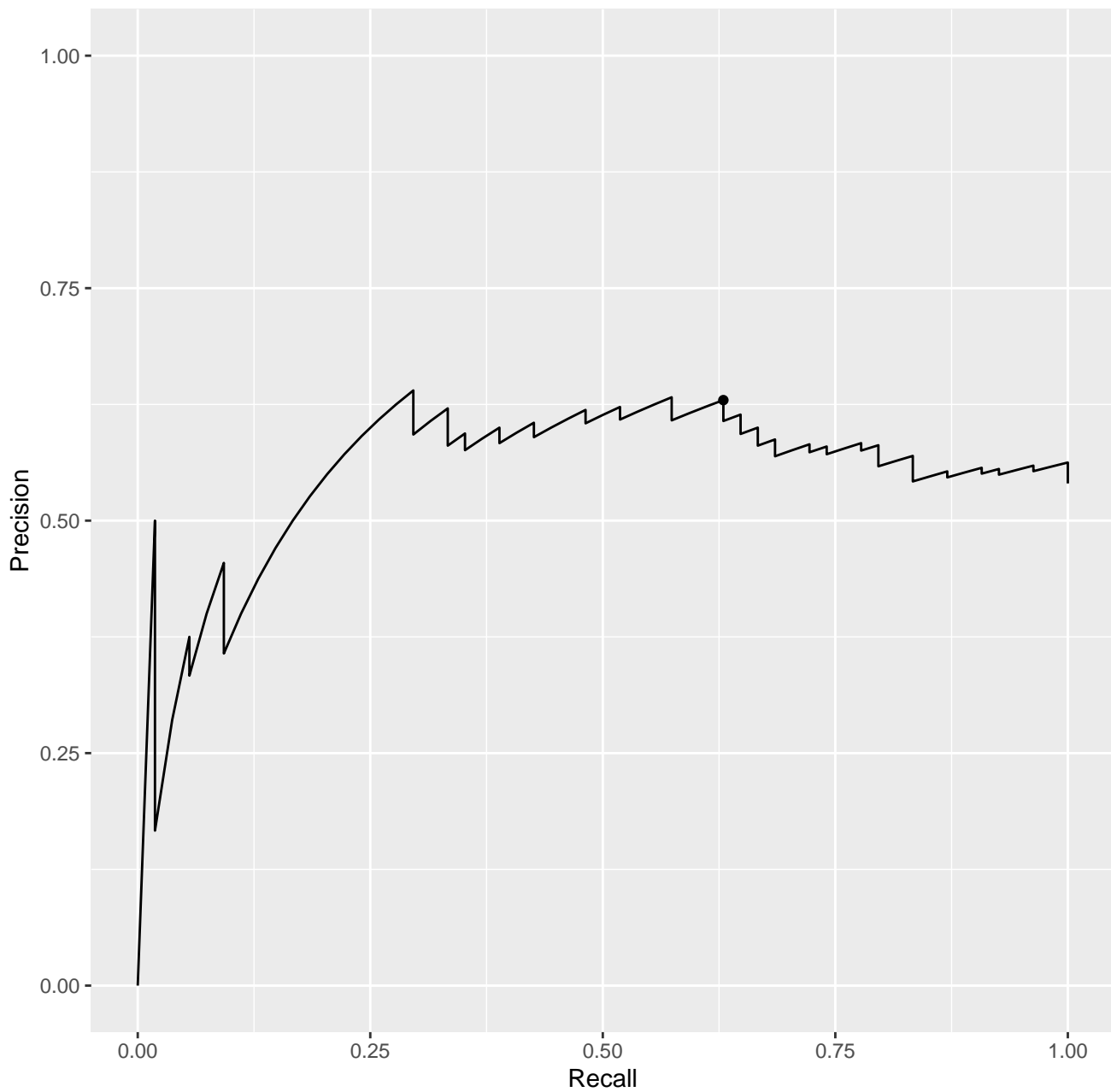


# Independent variable

optimal cutpoint and distribution by class

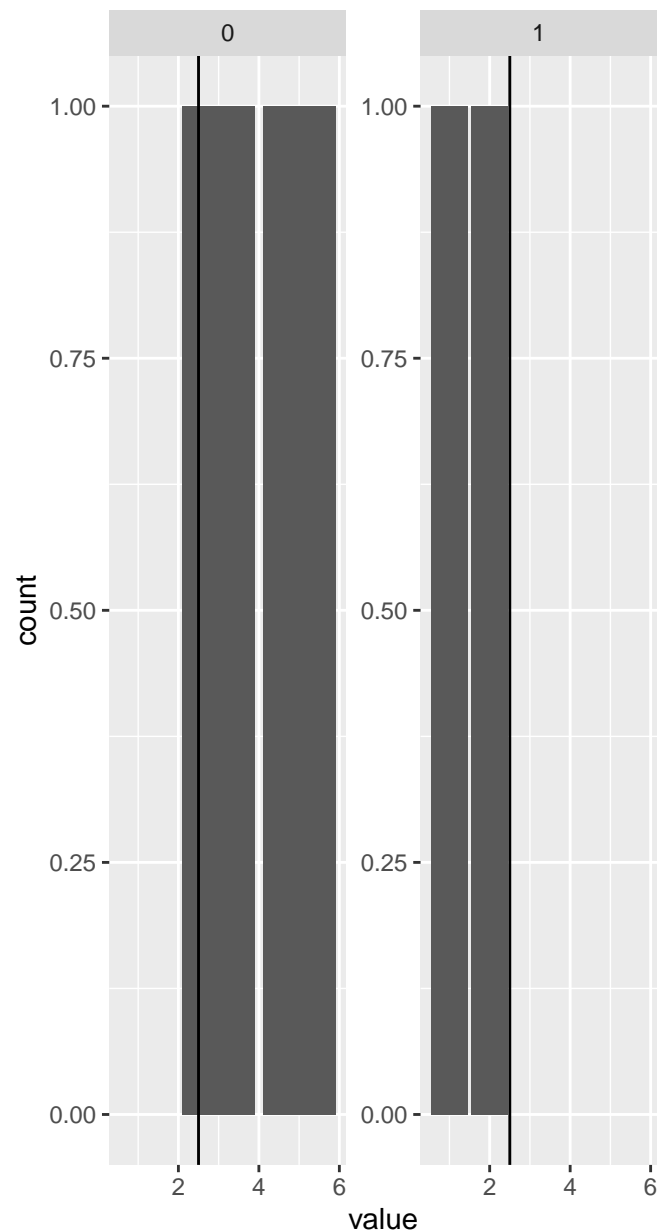


Precision recall plot

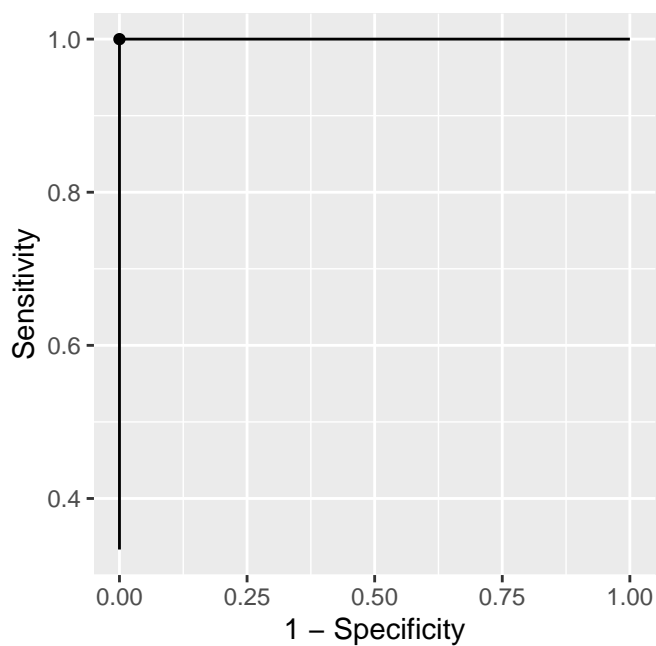


# Independent variable

optimal cutpoint and distribution by class

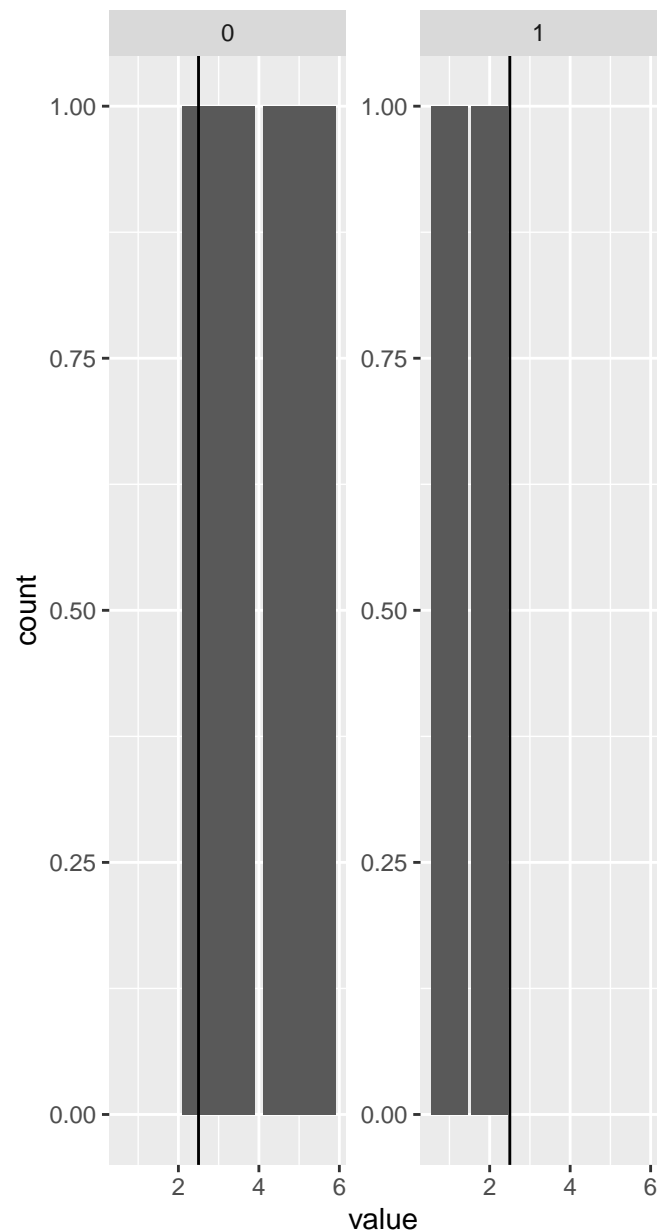


## ROC curve

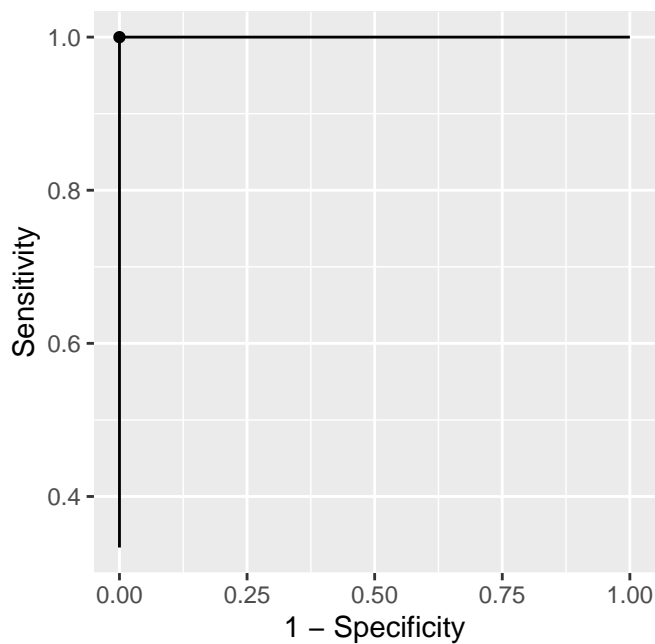


# Independent variable

optimal cutpoint and distribution by class

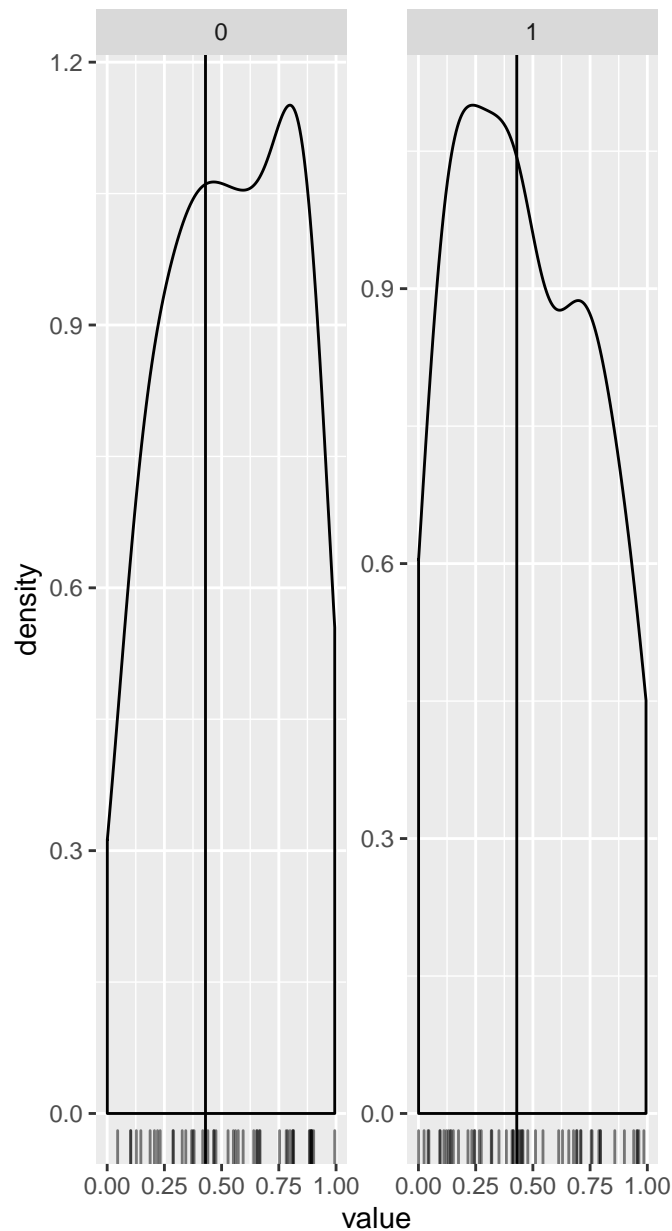


## ROC curve

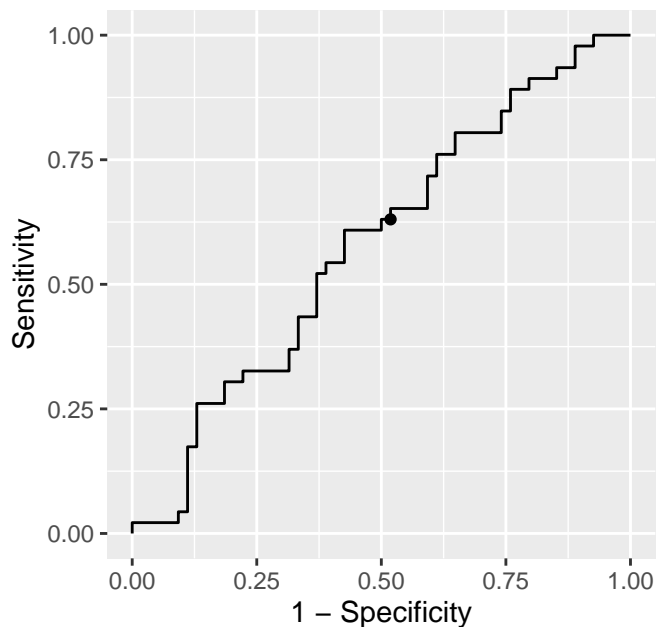


# Independent variable

optimal cutpoint and distribution by class

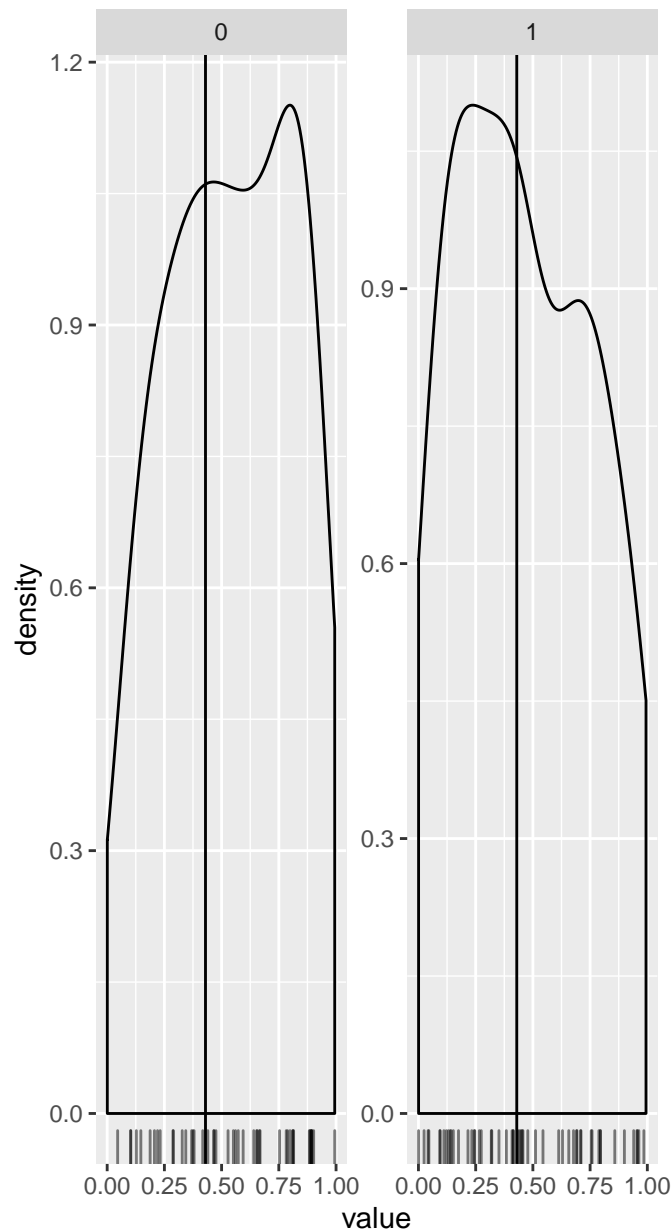


## ROC curve

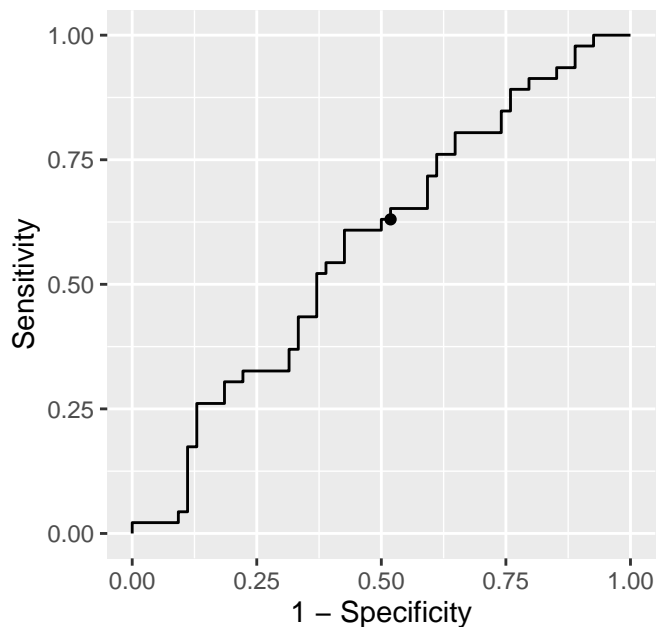


# Independent variable

optimal cutpoint and distribution by class

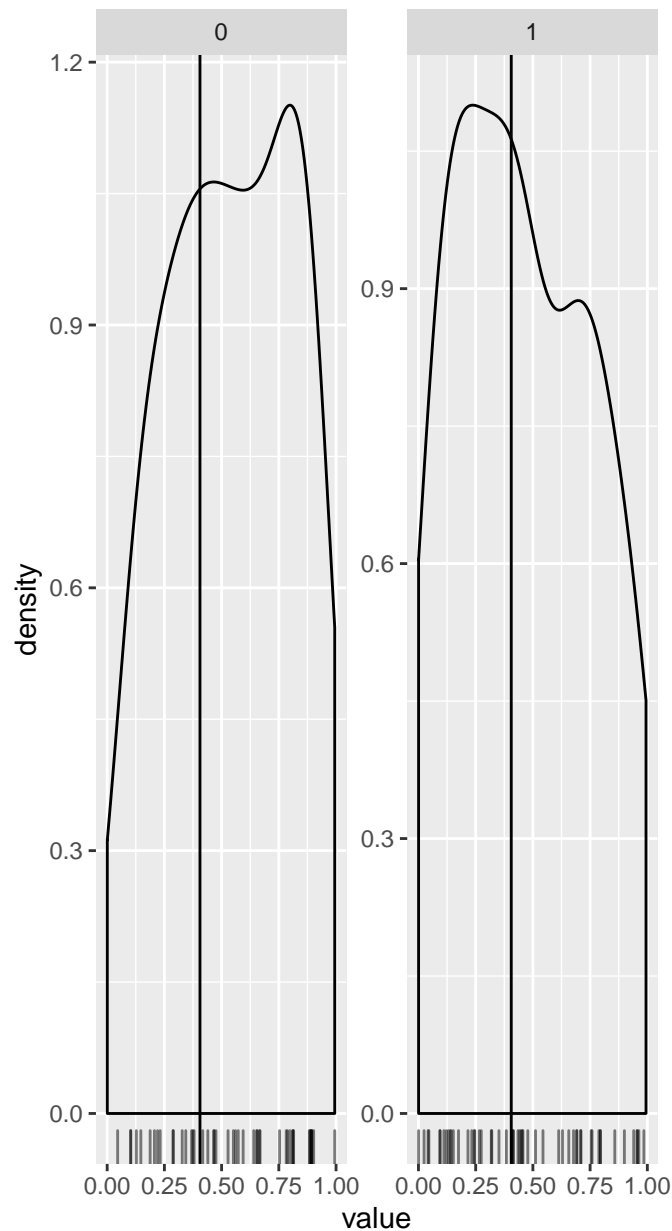


## ROC curve

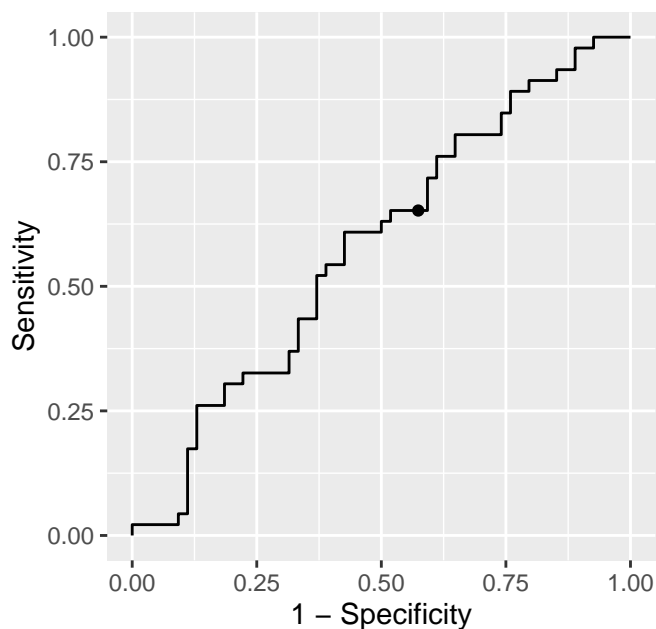


# Independent variable

optimal cutpoint and distribution by class

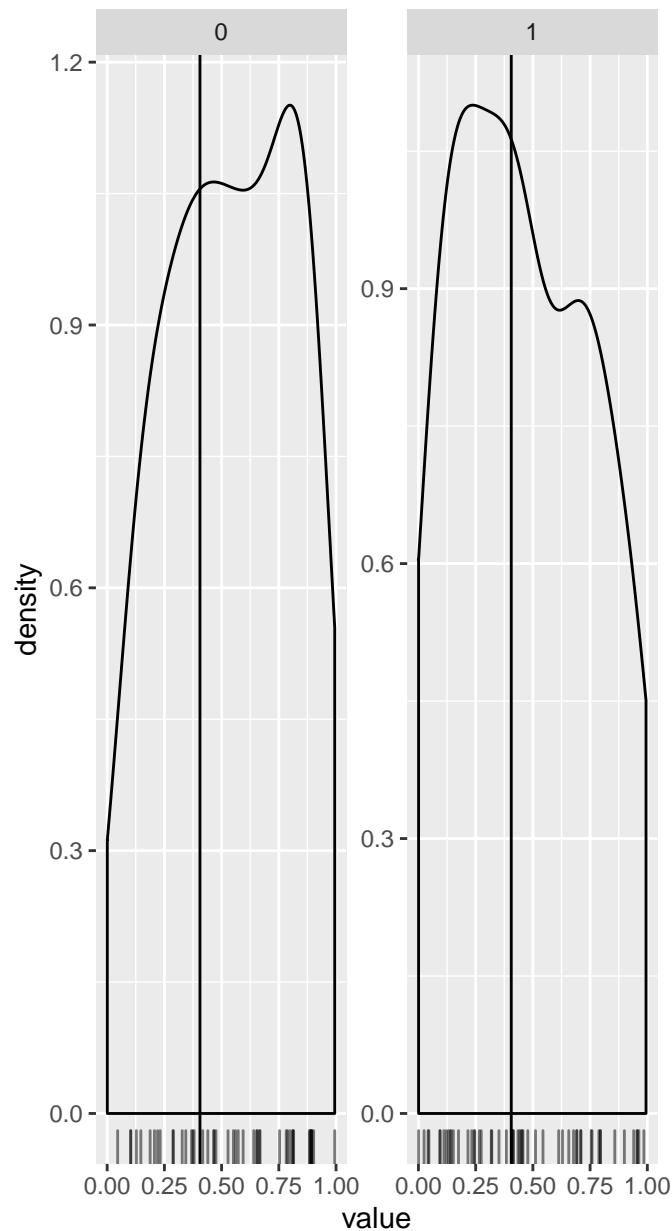


## ROC curve

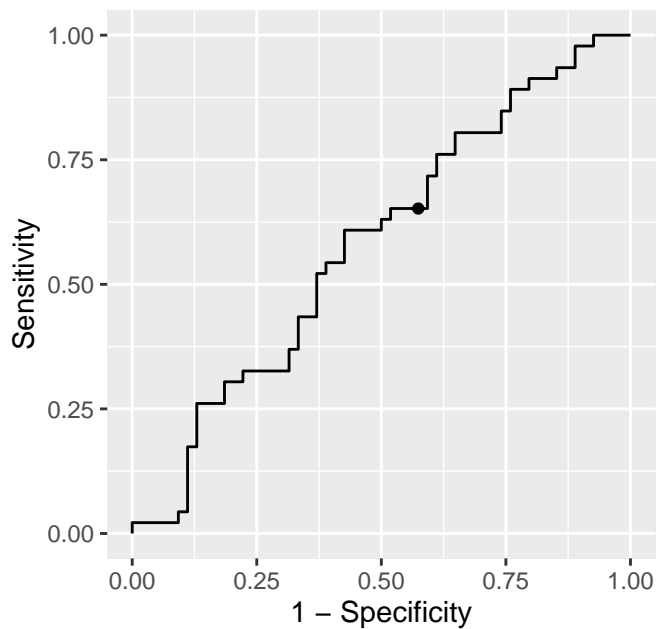


# Independent variable

optimal cutpoint and distribution by class

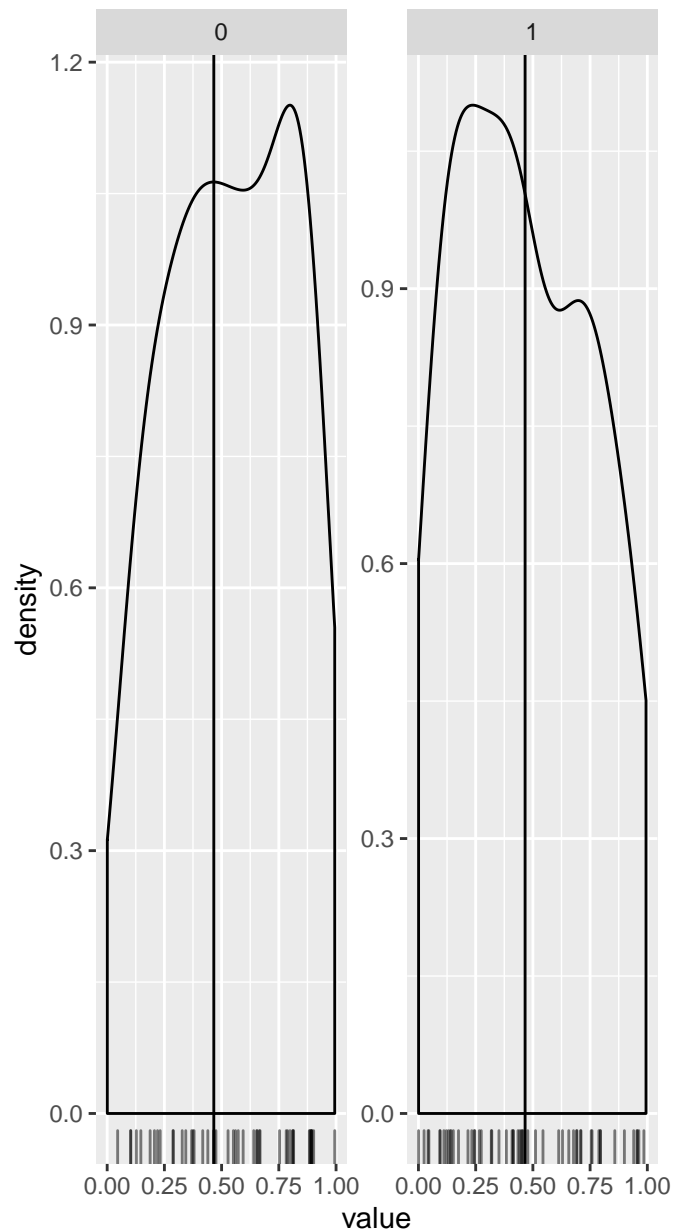


## ROC curve

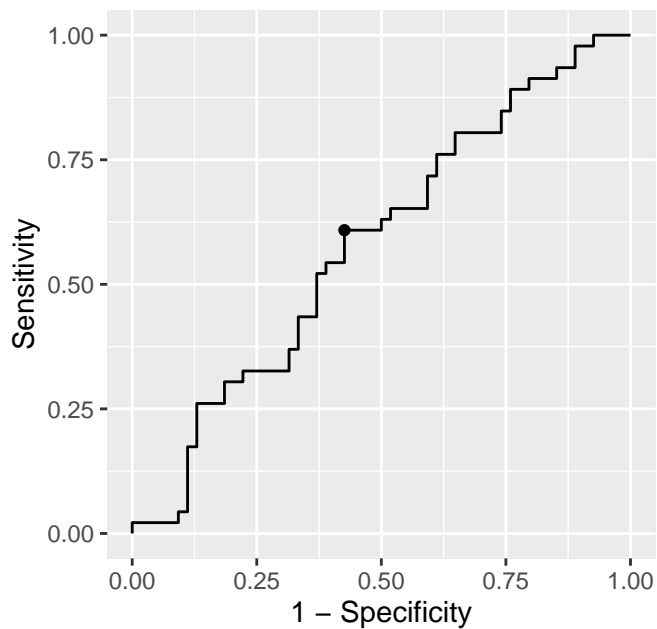


# Independent variable

optimal cutpoint and distribution by class

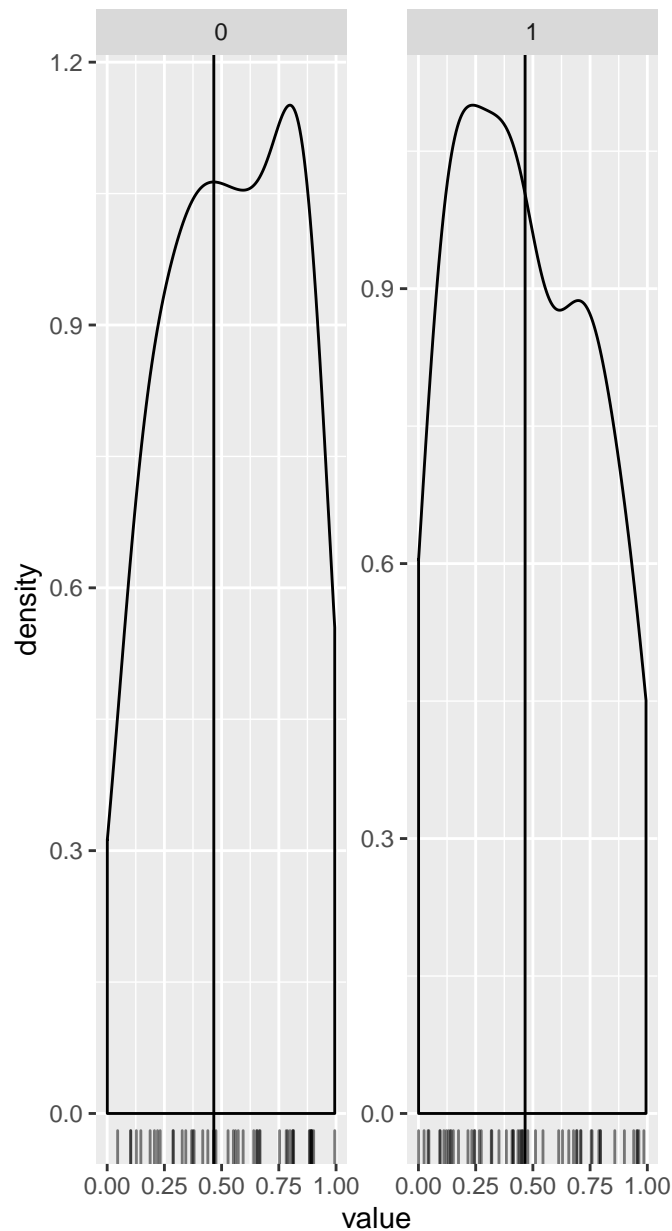


## ROC curve

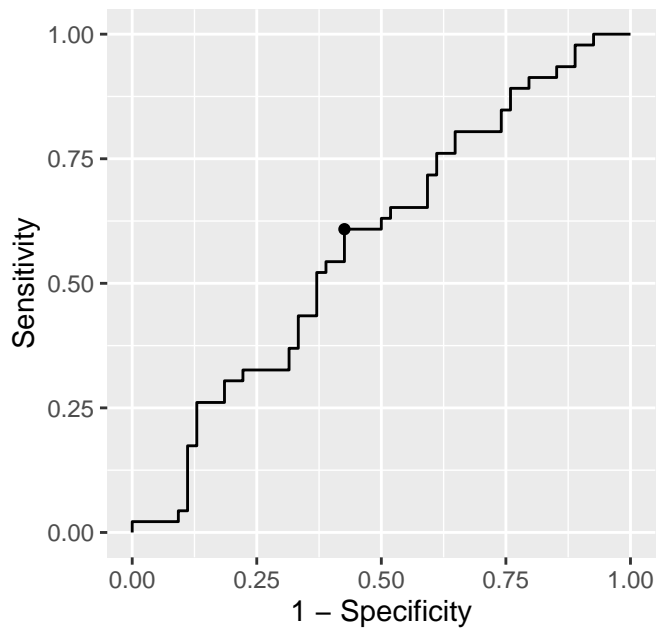


# Independent variable

optimal cutpoint and distribution by class

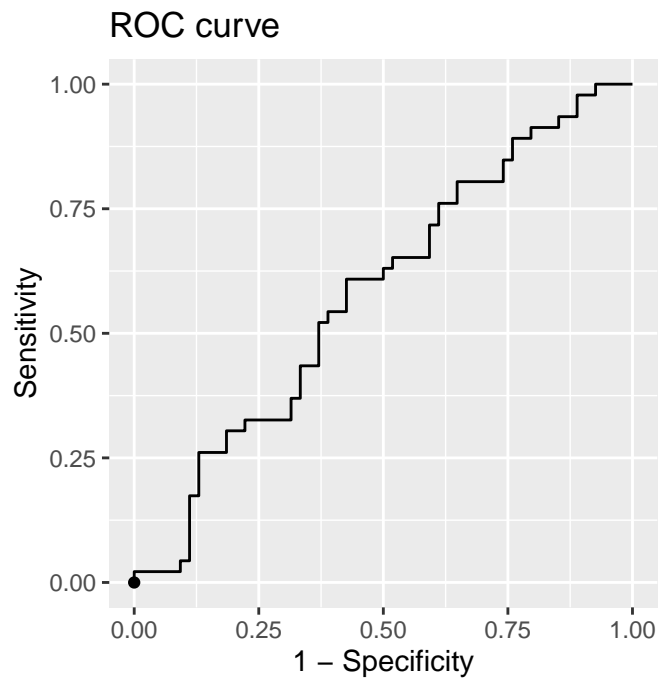
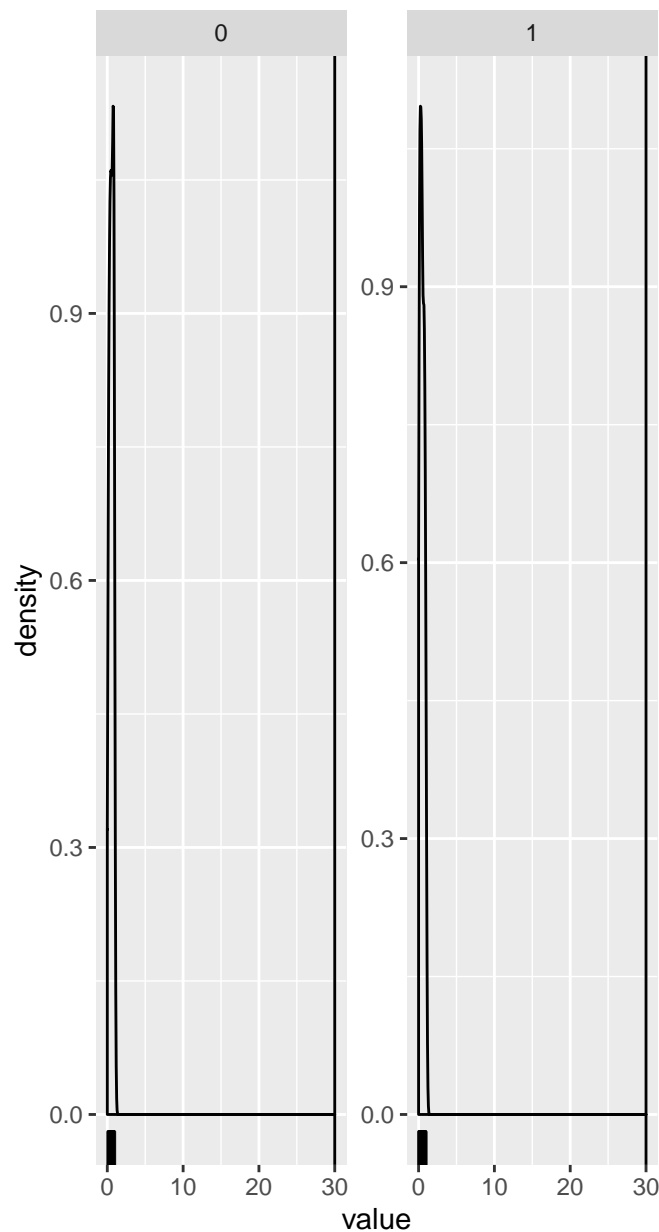


## ROC curve



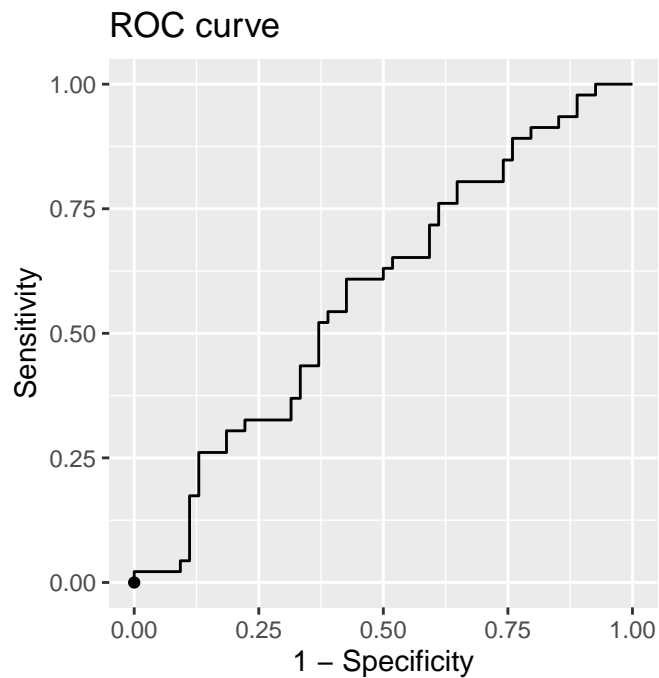
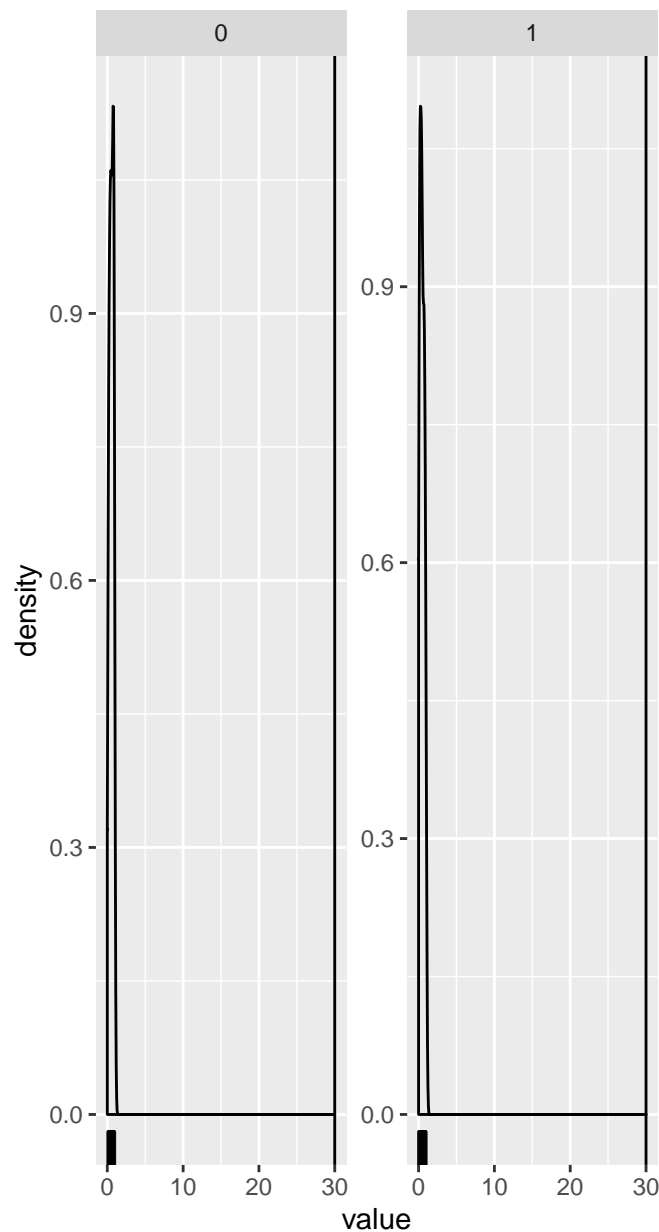
# Independent variable

optimal cutpoint and distribution by class



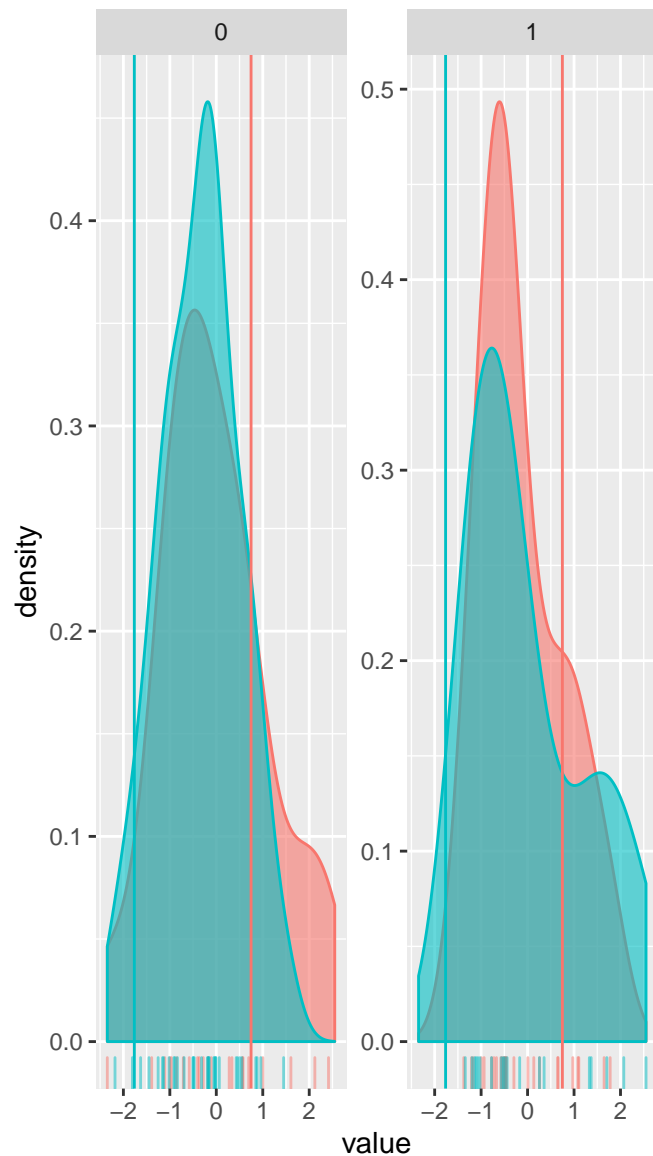
# Independent variable

optimal cutpoint and distribution by class



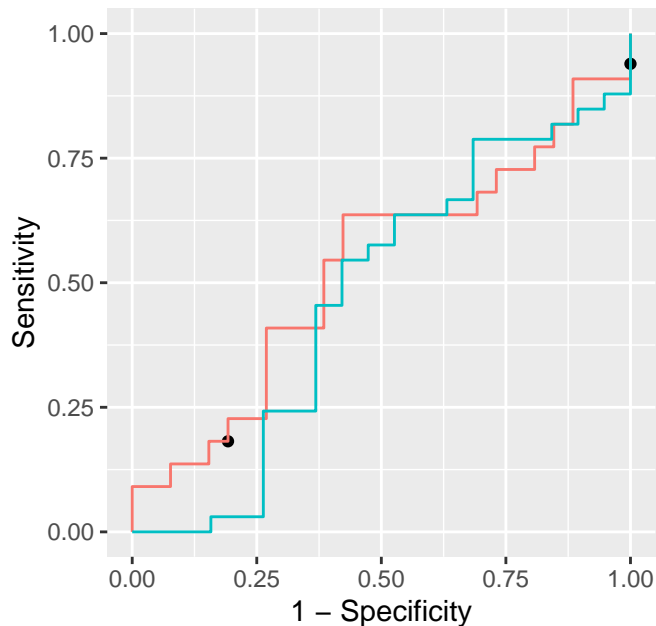
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

by class

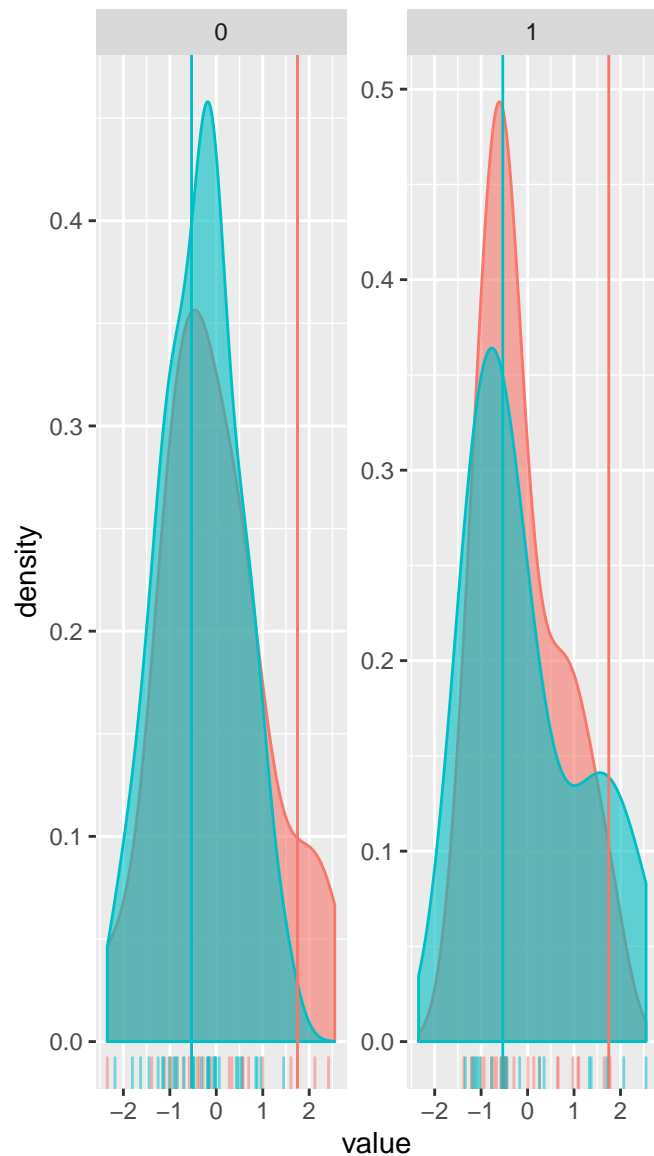


Subgroup



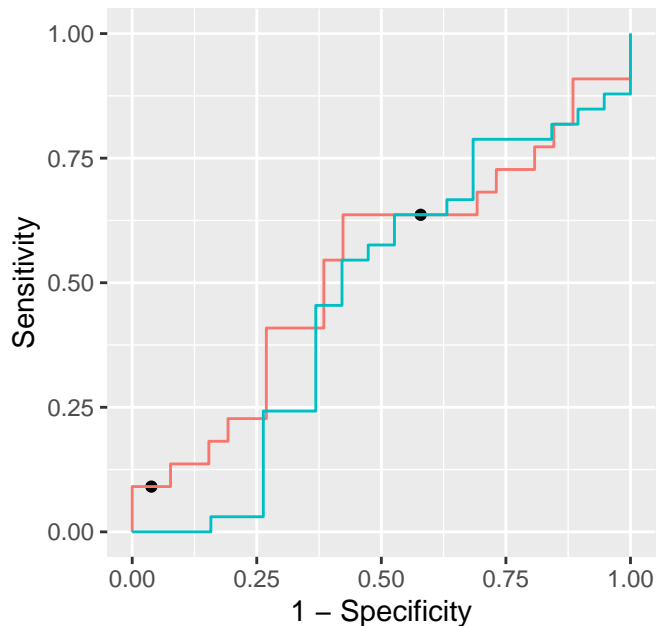
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

by class



Subgroup



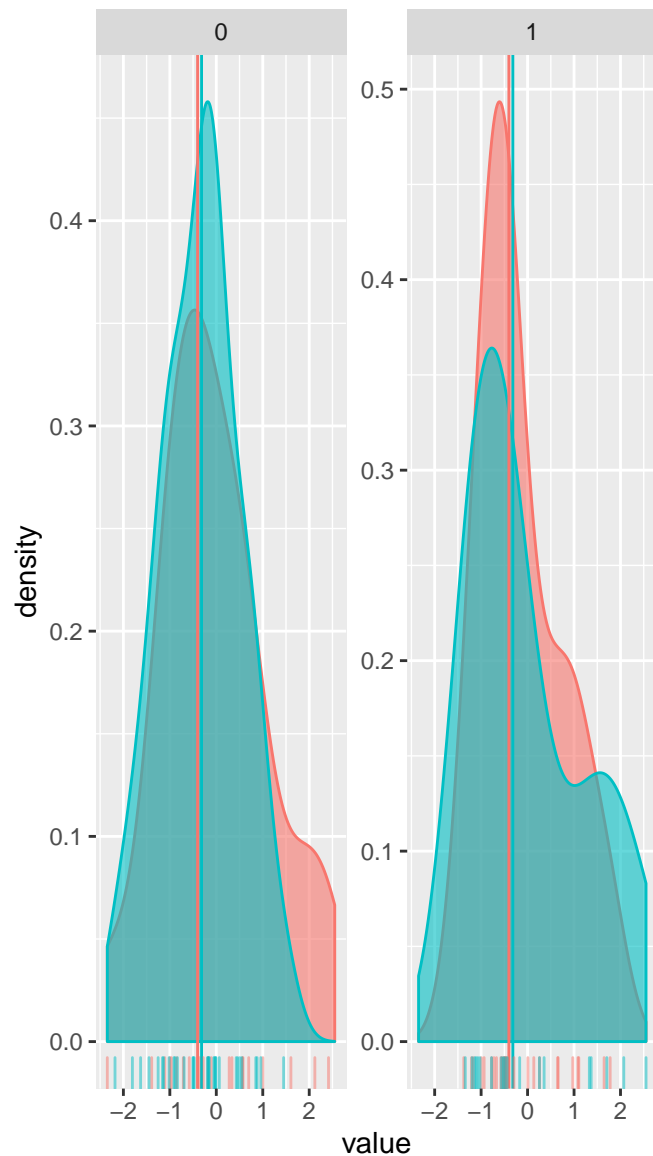
0



1

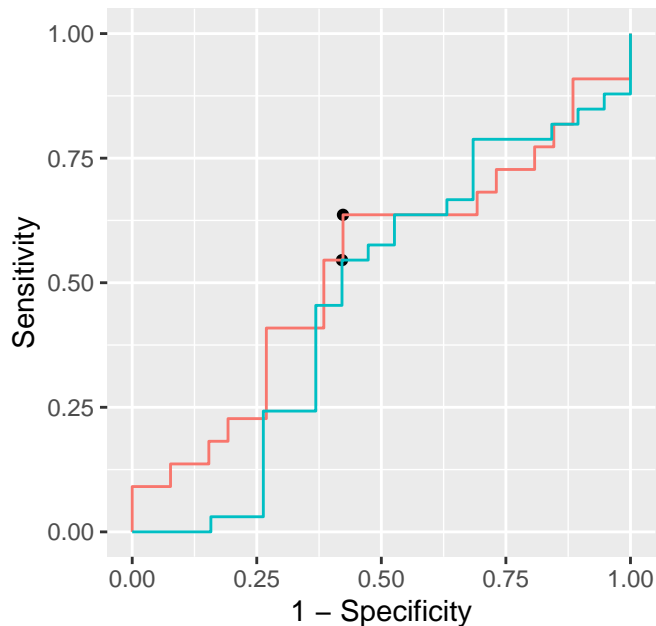
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

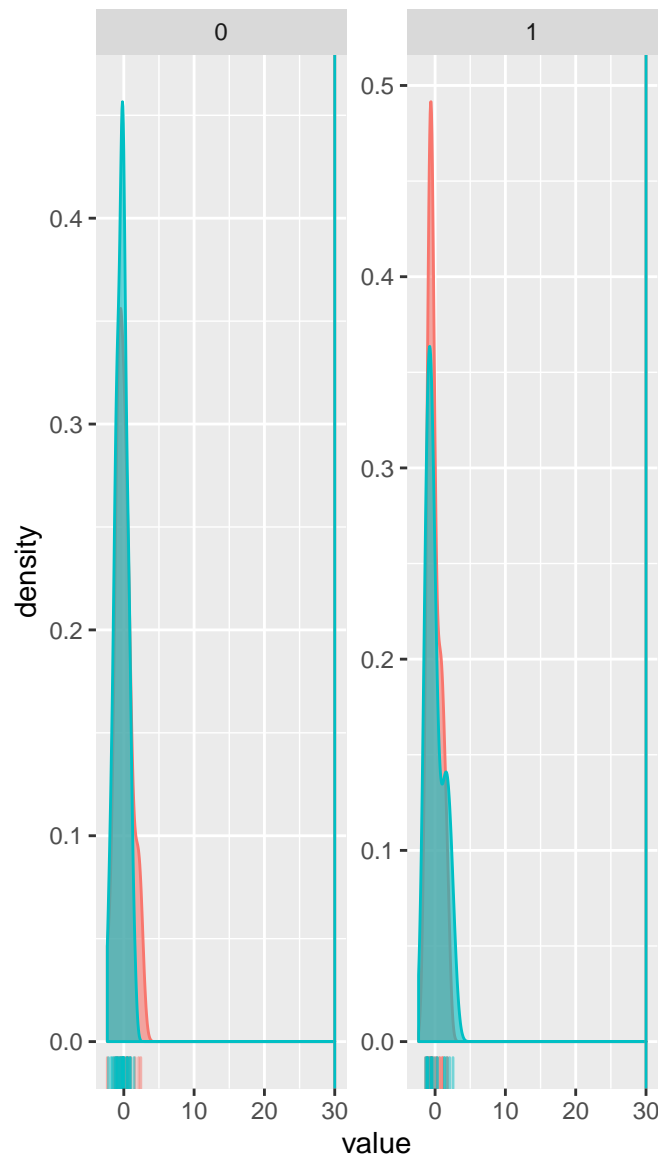
by class



Subgroup 0 1

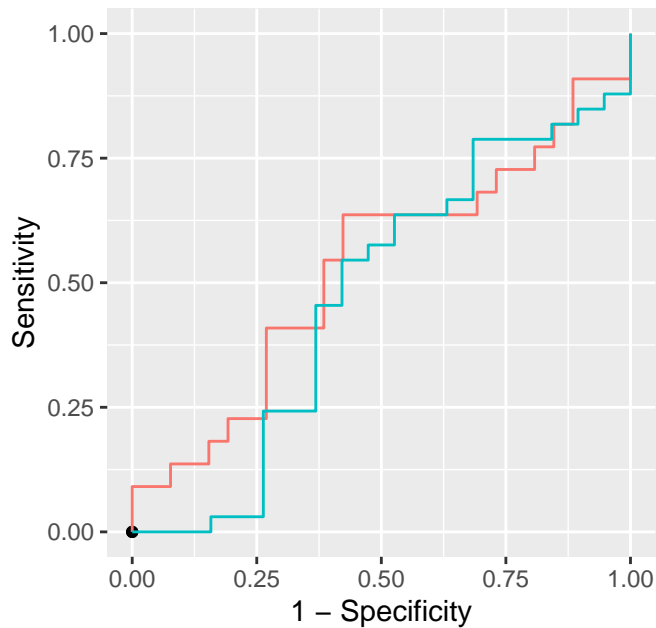
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

by class



Subgroup



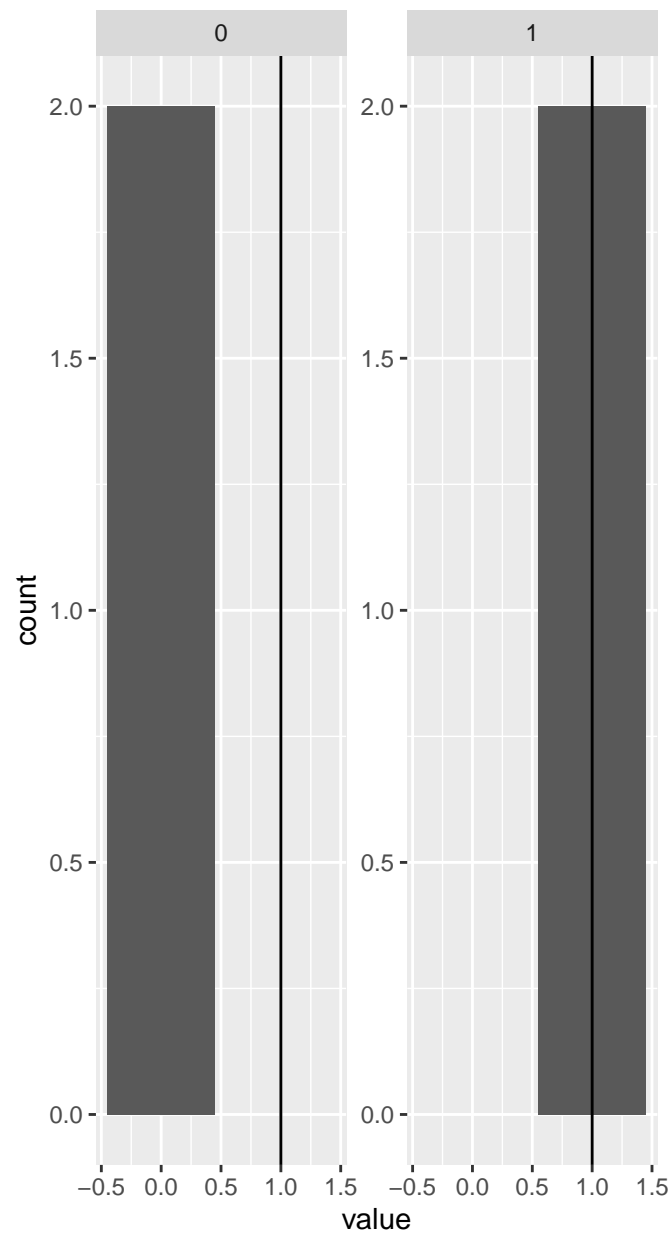
0



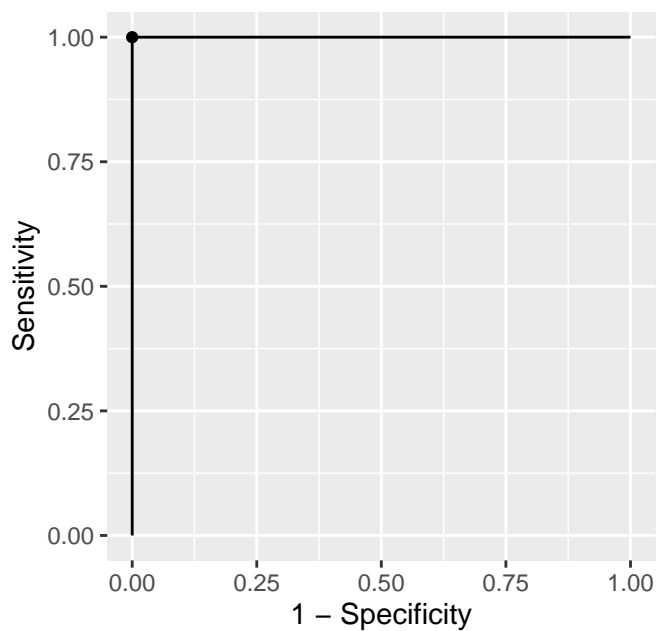
1

# Independent variable

optimal cutpoint and distribution by class

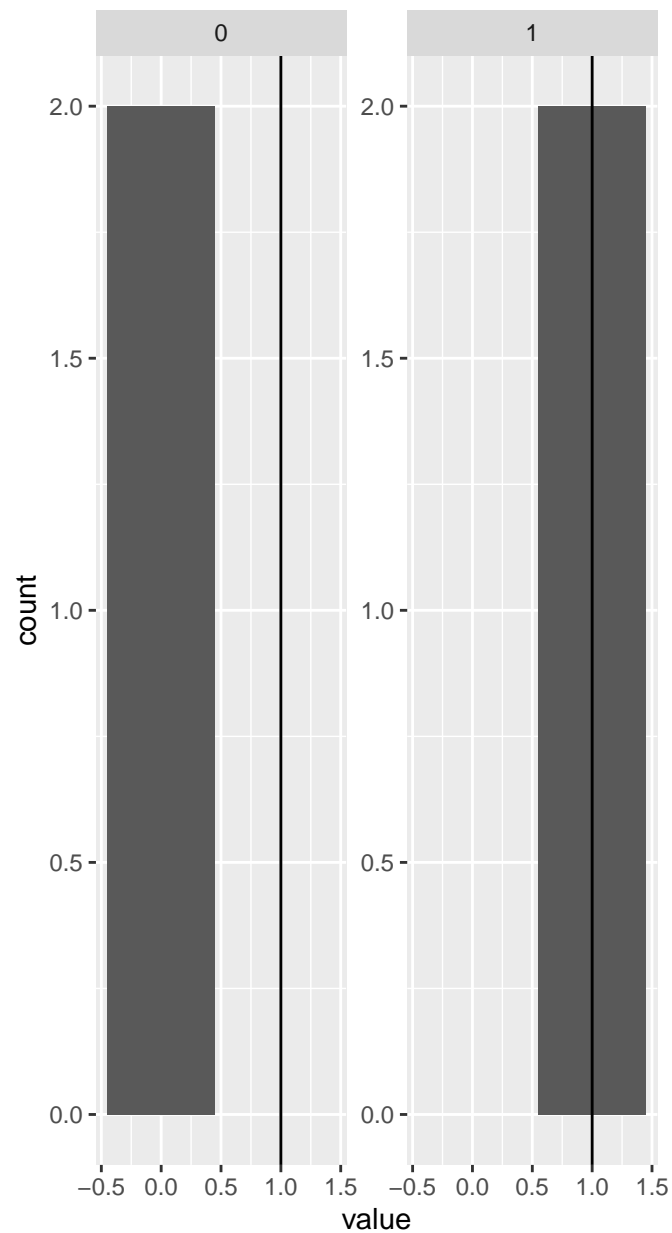


## ROC curve

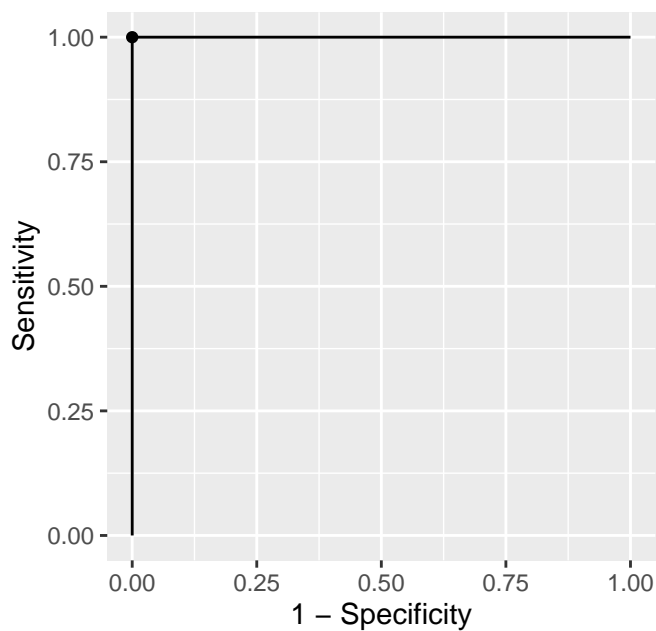


# Independent variable

optimal cutpoint and distribution by class

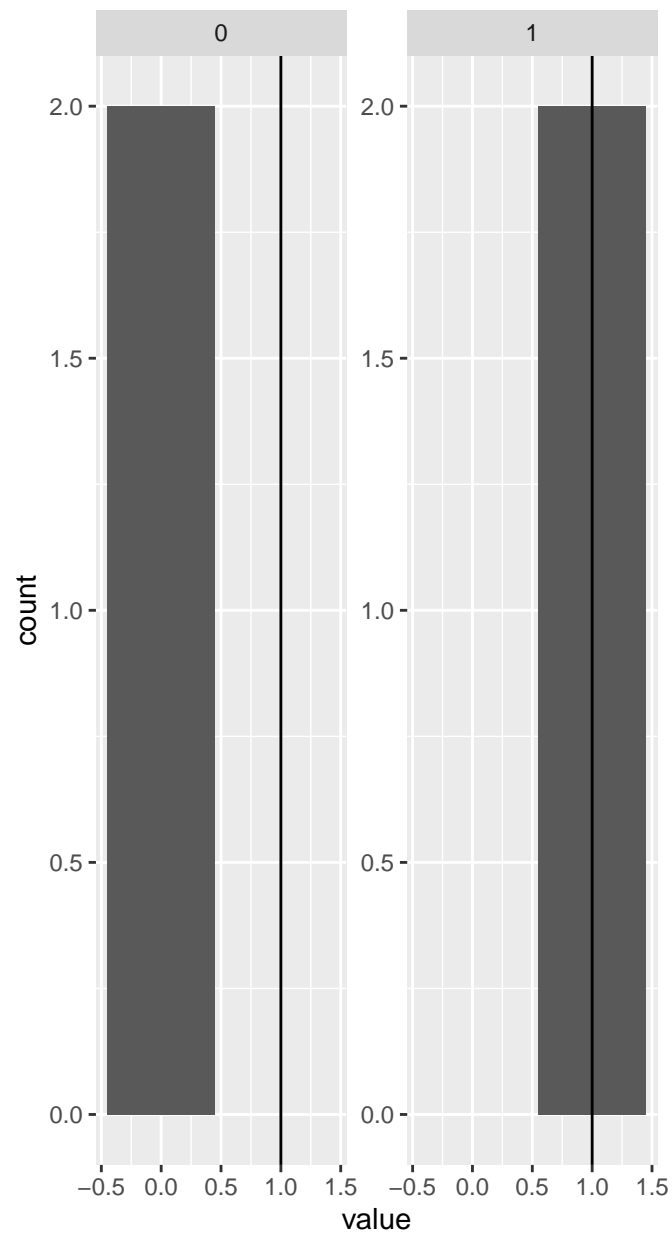


## ROC curve

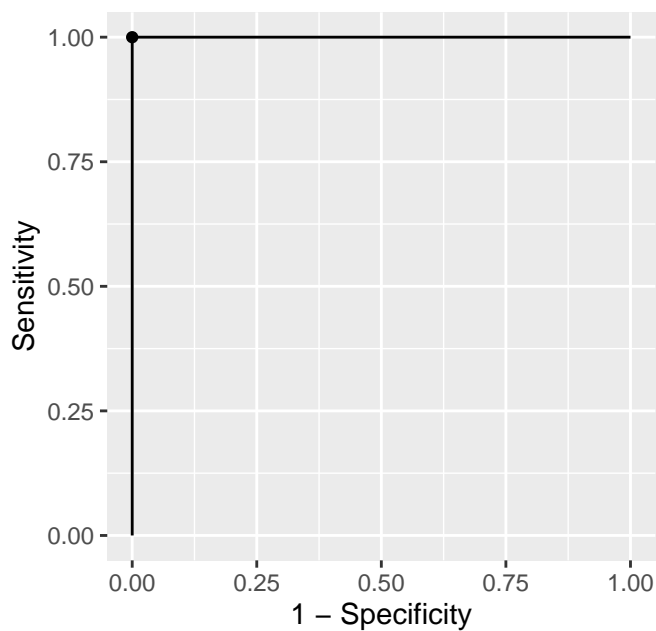


# Independent variable

optimal cutpoint and distribution by class

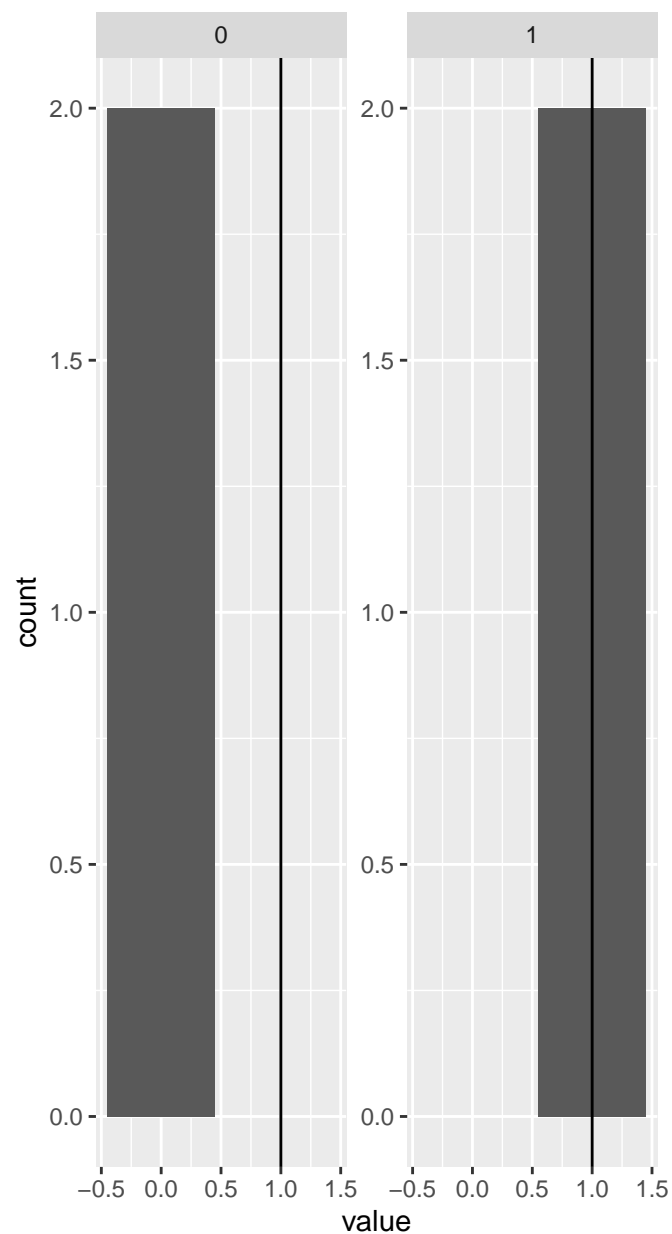


## ROC curve

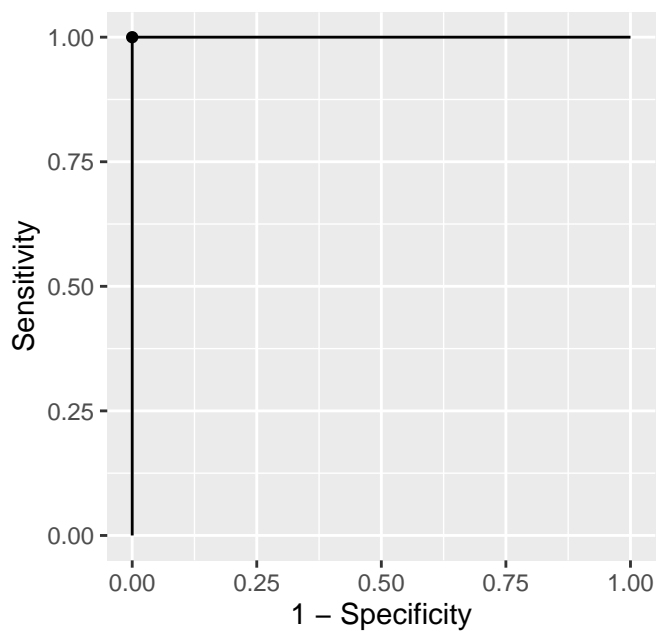


# Independent variable

optimal cutpoint and distribution by class

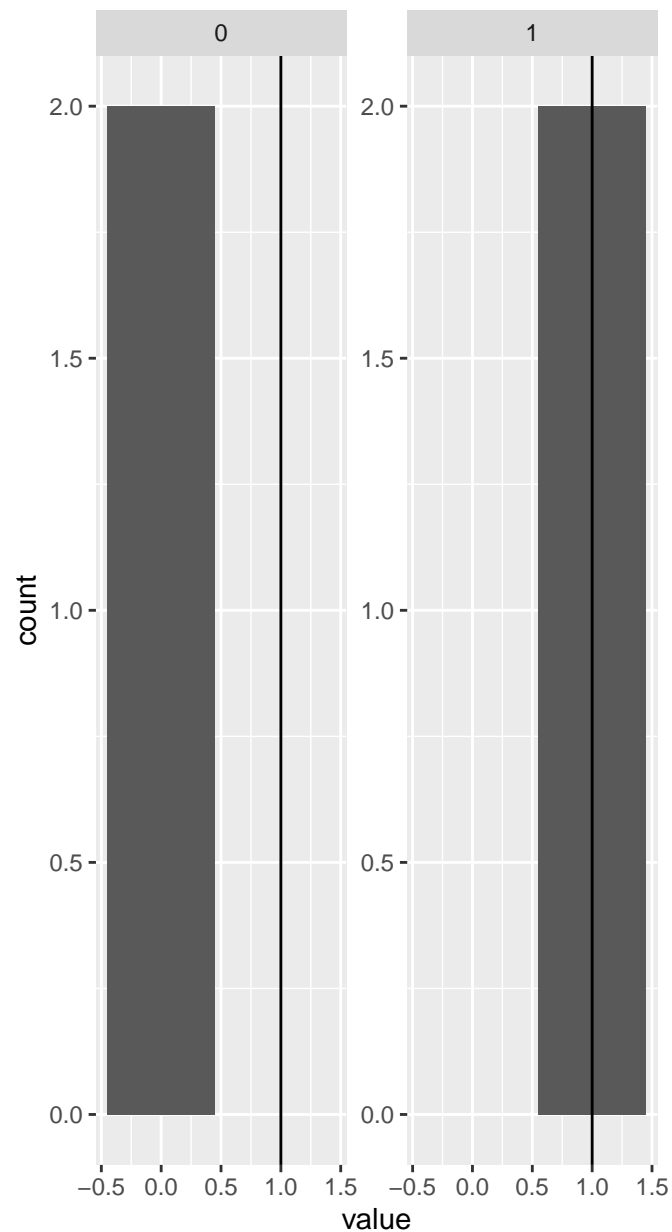


## ROC curve

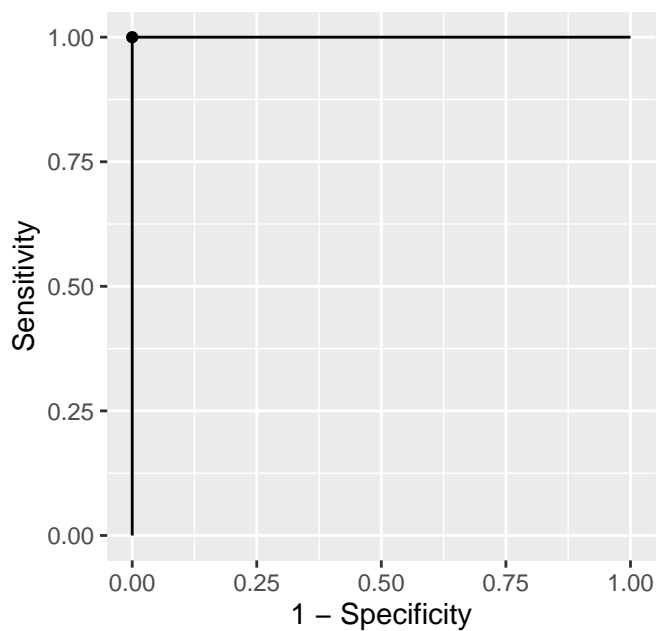


# Independent variable

optimal cutpoint and distribution by class

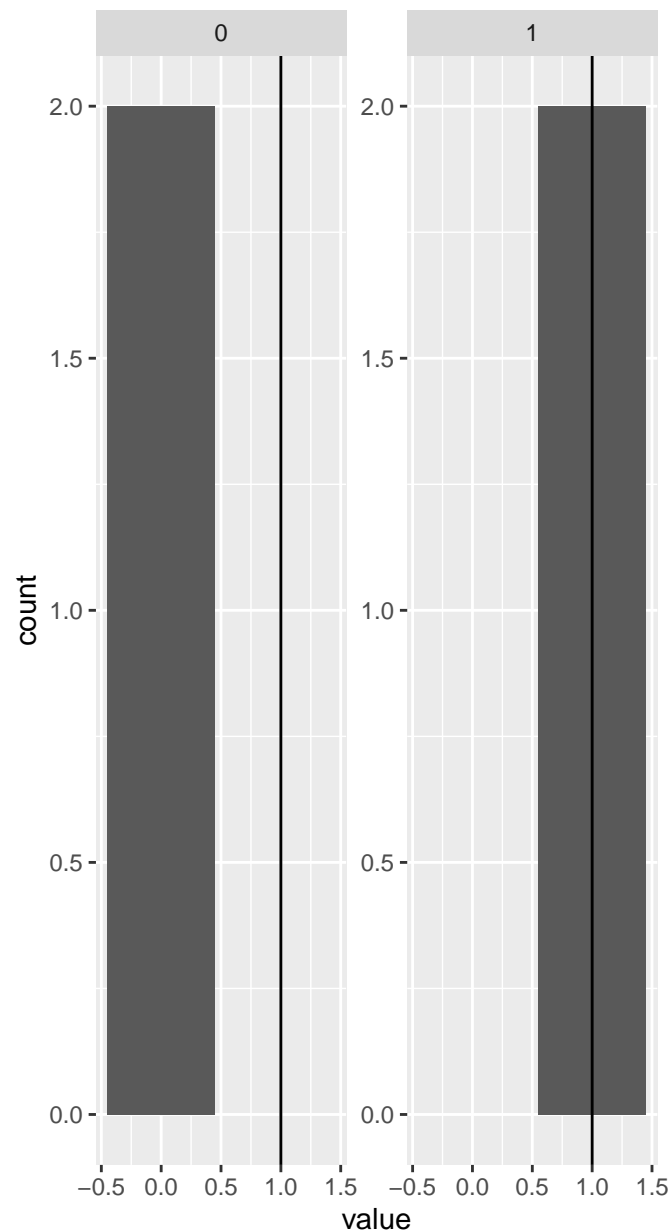


## ROC curve

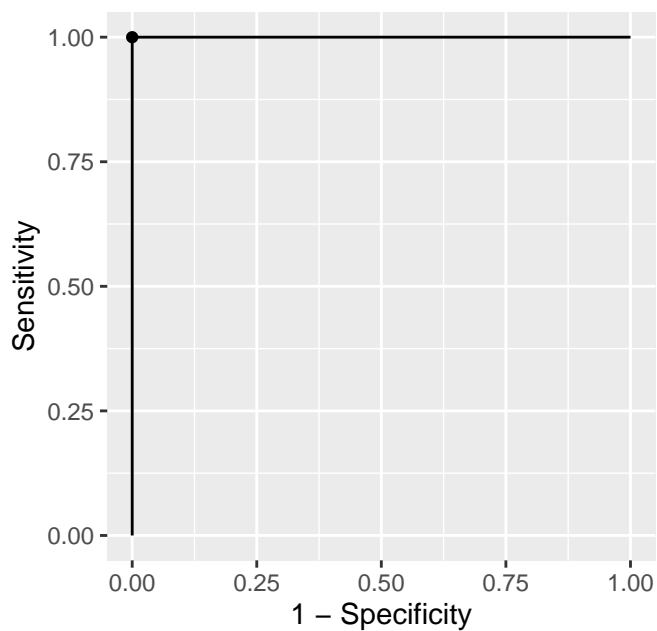


# Independent variable

optimal cutpoint and distribution by class

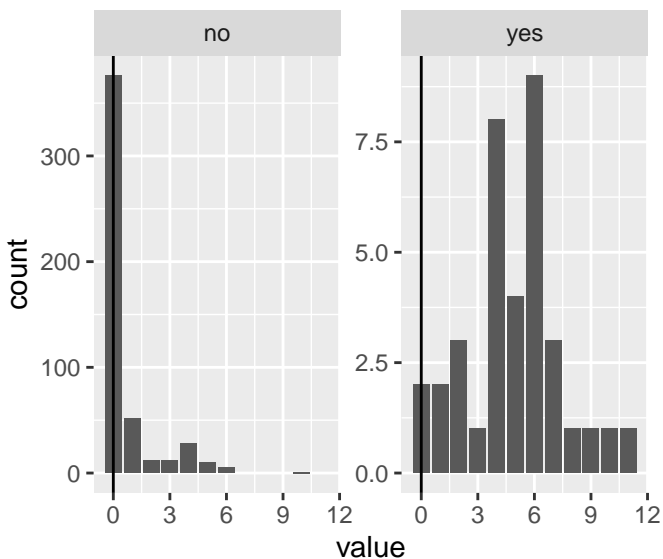


## ROC curve

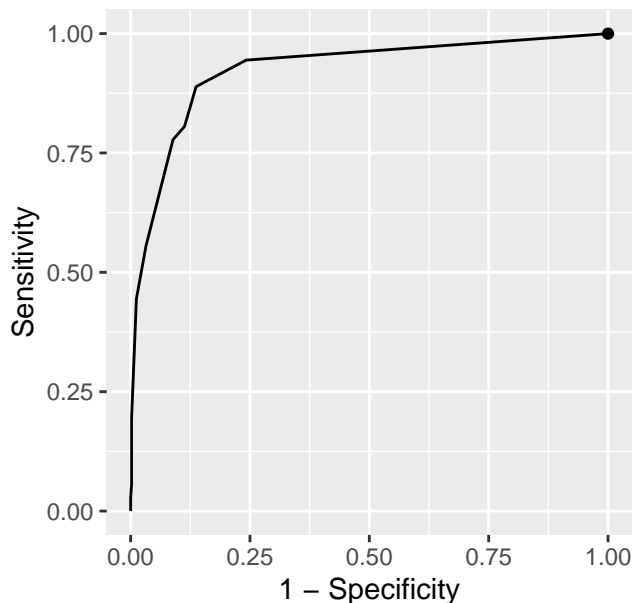


## Independent variable

optimal cutpoint and distribution by class

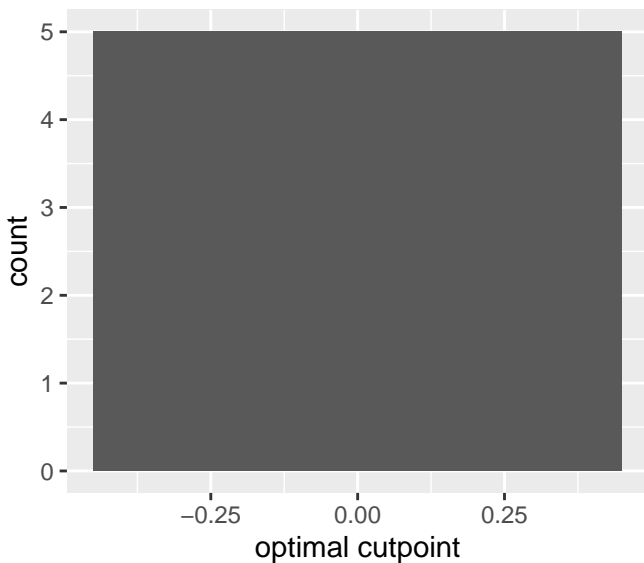


## ROC curve



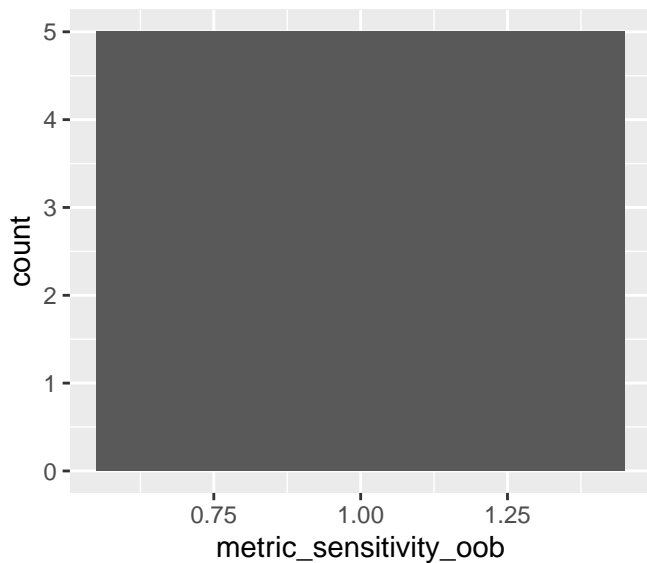
## Bootstrap

distribution of optimal cutpoints



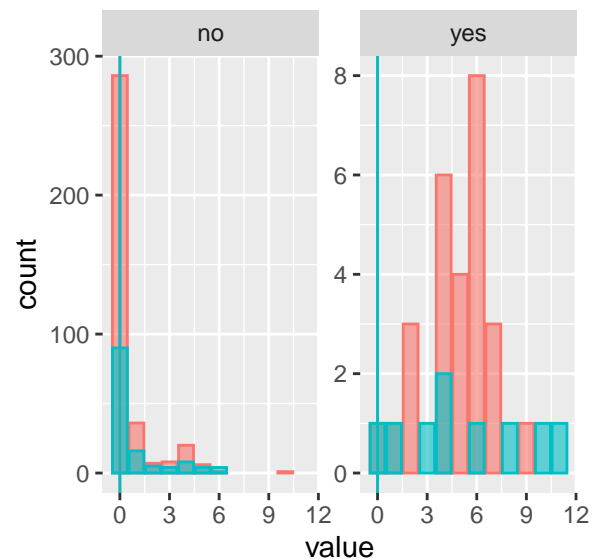
## Bootstrap

out-of-bag estimates



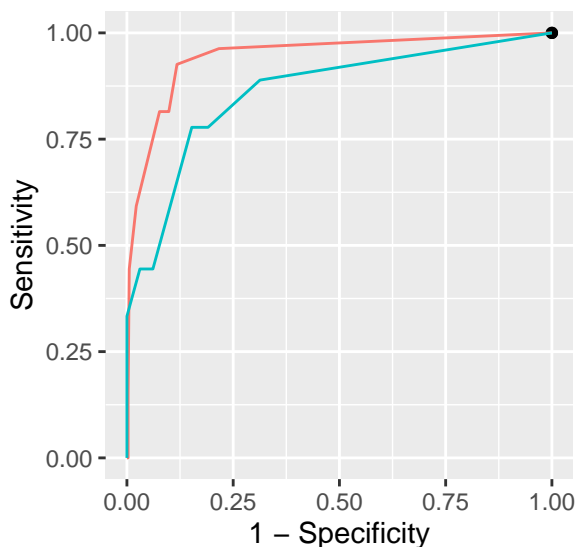
## Independent variable

optimal cutpoint and distribution by class



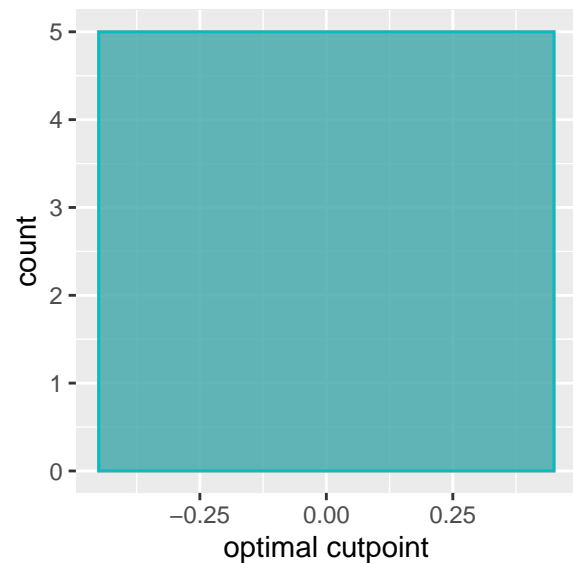
## ROC curve

by class



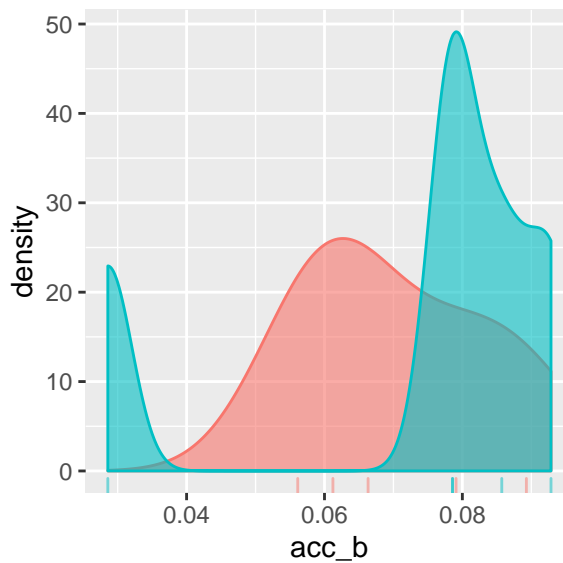
## Bootstrap

distribution of optimal cutpoints



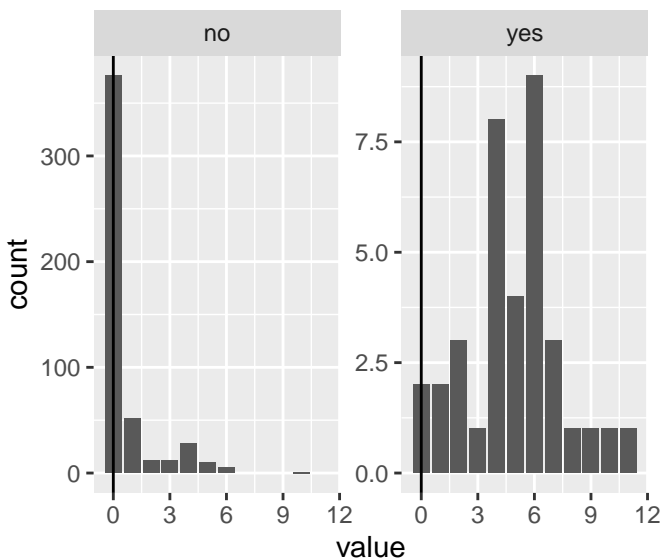
## Bootstrap

out-of-bag estimates

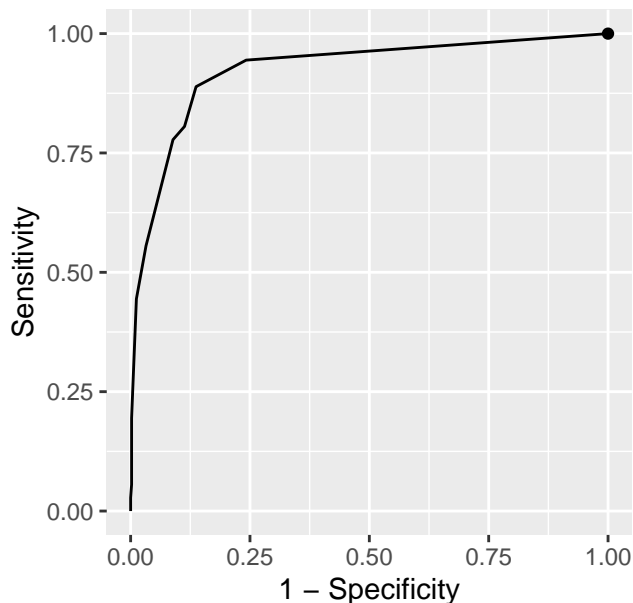


## Independent variable

optimal cutpoint and distribution by class

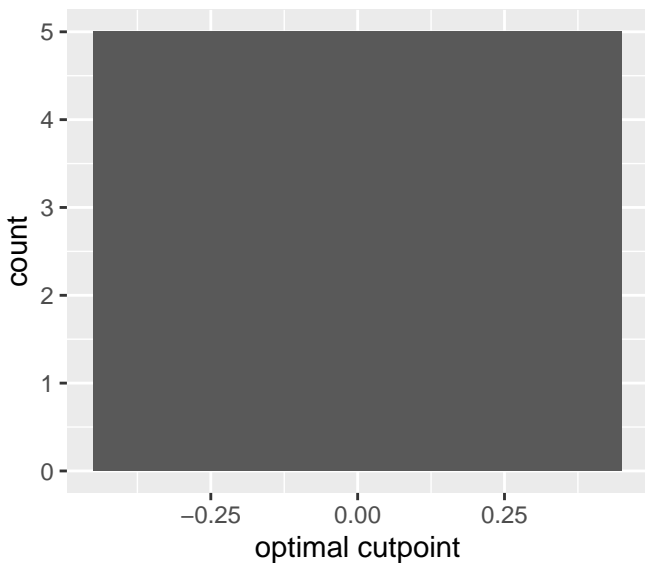


## ROC curve



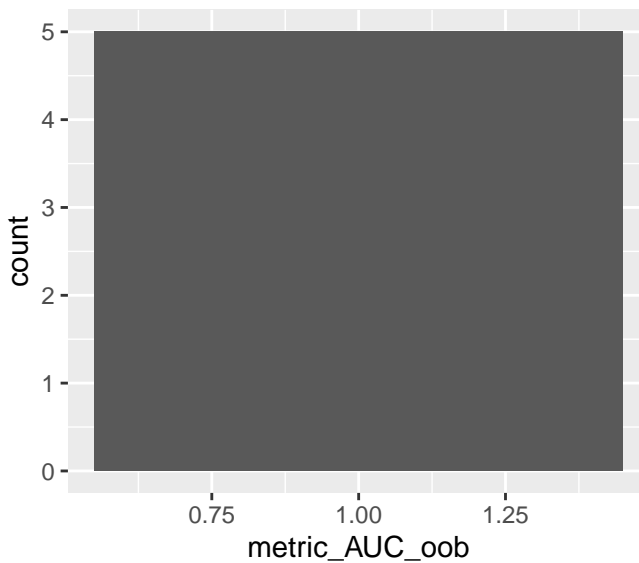
## Bootstrap

distribution of optimal cutpoints



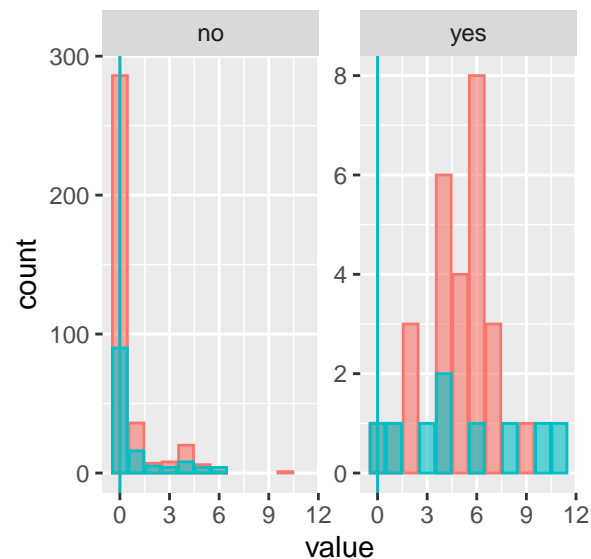
## Bootstrap

out-of-bag estimates



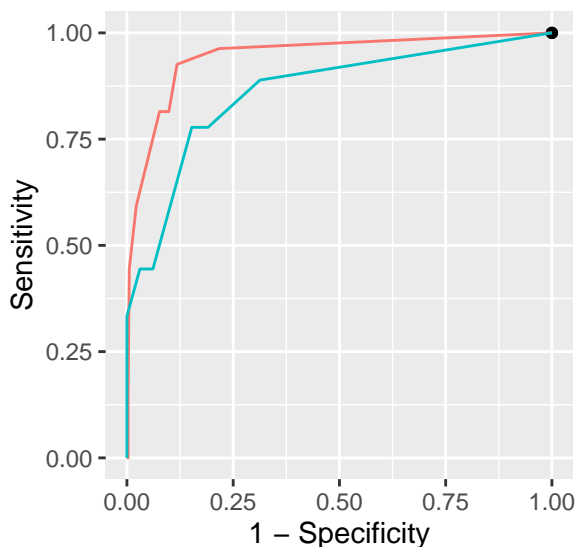
## Independent variable

optimal cutpoint and distribution by class



## ROC curve

by class

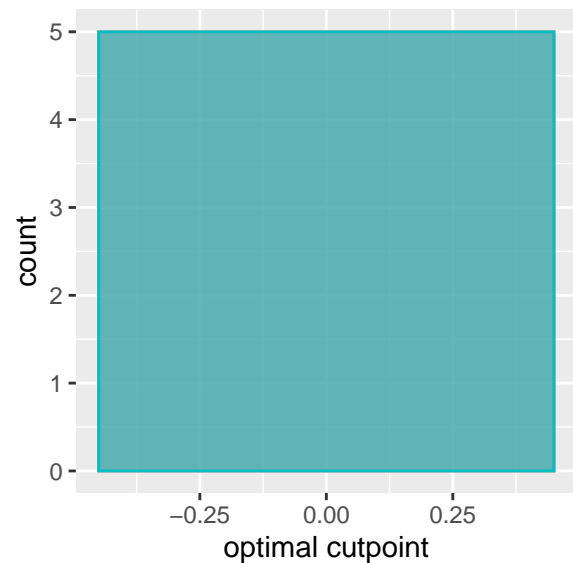


Subgroup



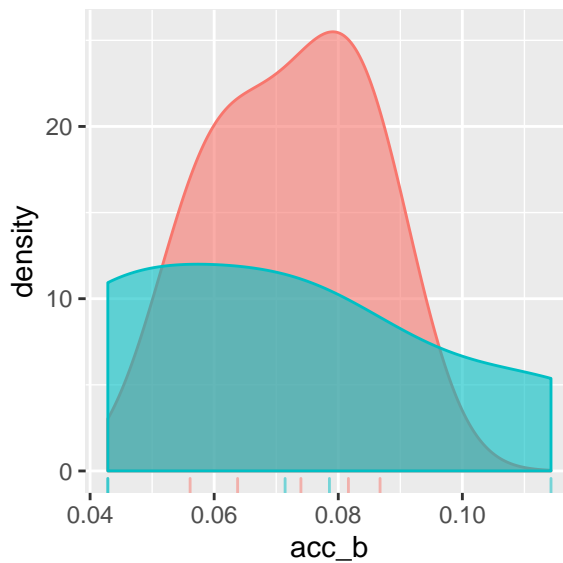
## Bootstrap

distribution of optimal cutpoints



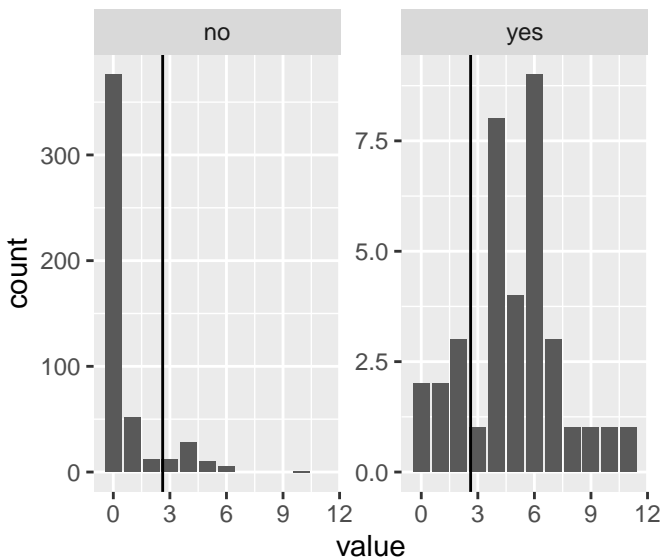
## Bootstrap

out-of-bag estimates

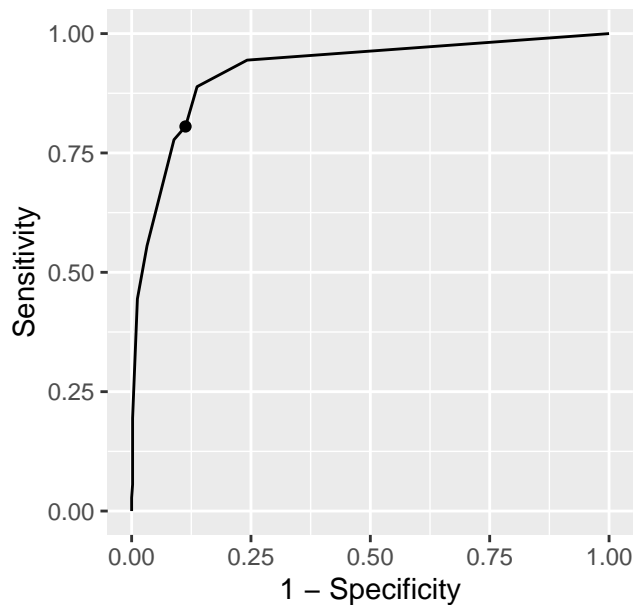


## Independent variable

optimal cutpoint and distribution by class

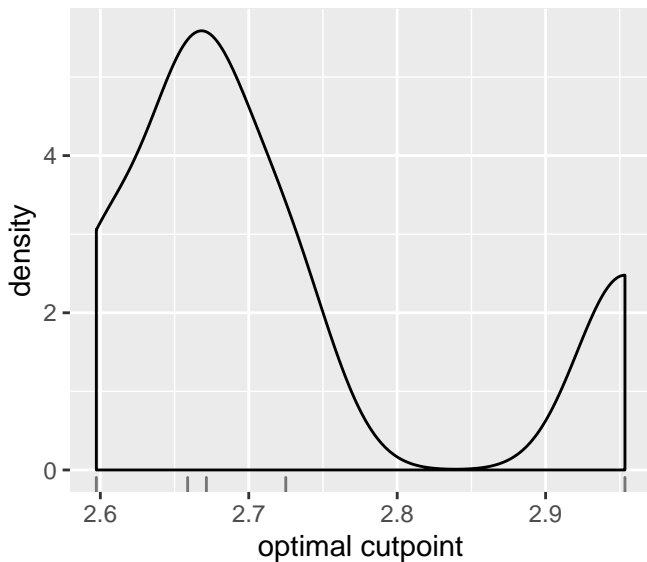


## ROC curve



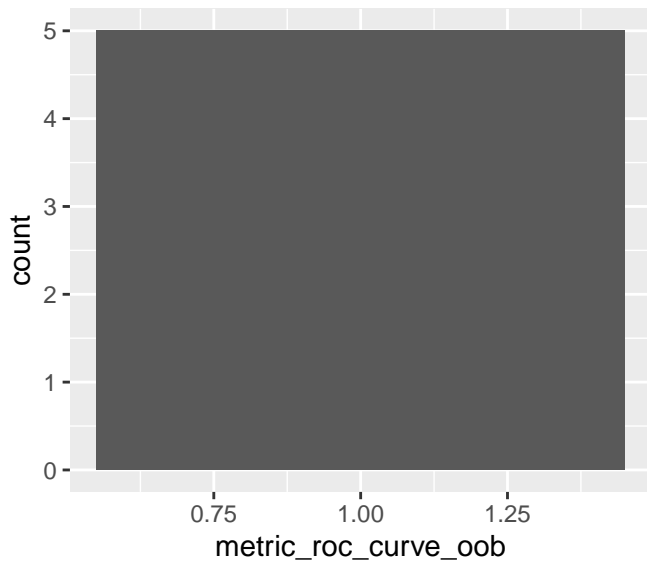
## Bootstrap

distribution of optimal cutpoints



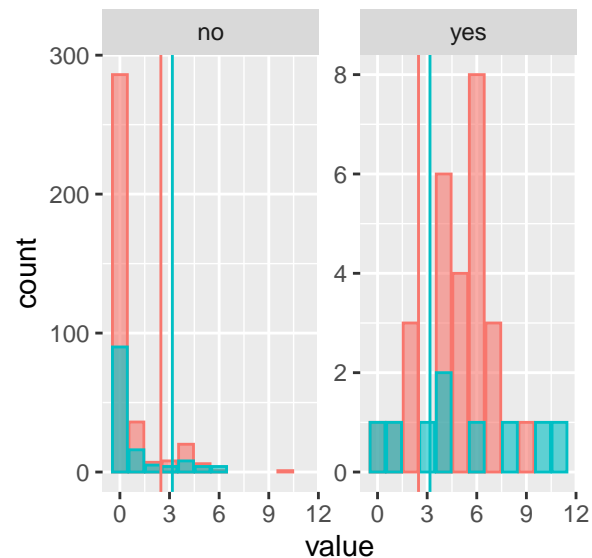
## Bootstrap

out-of-bag estimates



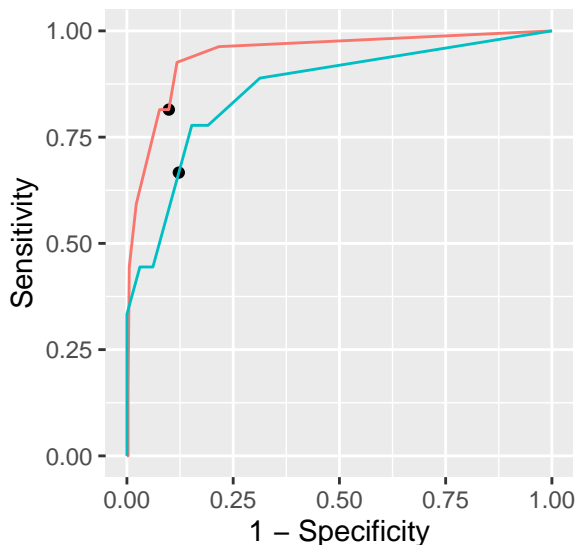
## Independent variable

optimal cutpoint and distribution by class



## ROC curve

by class

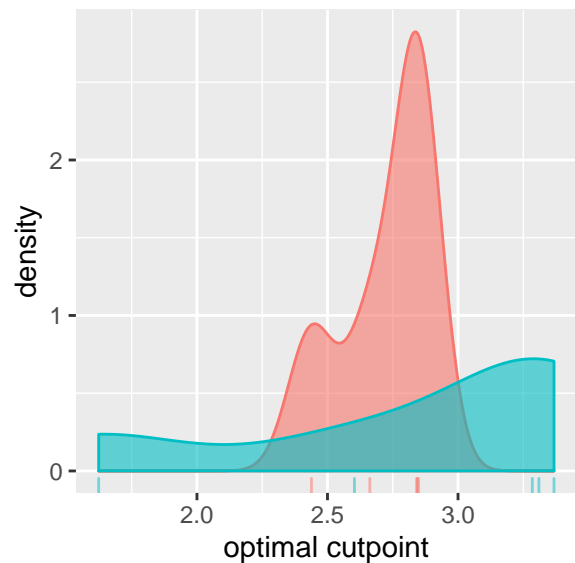


Subgroup



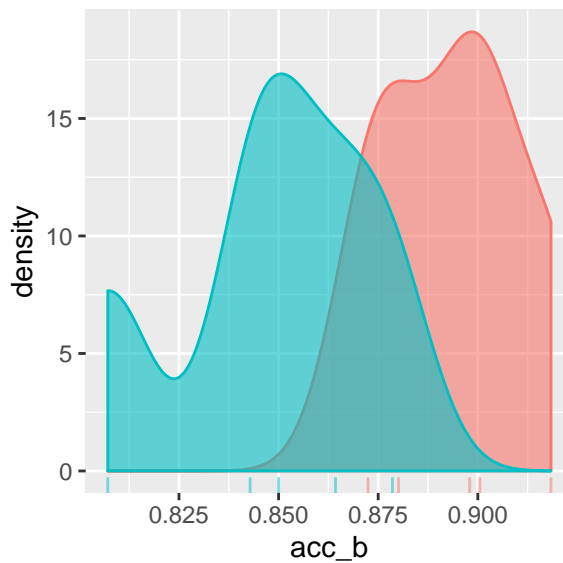
## Bootstrap

distribution of optimal cutpoints



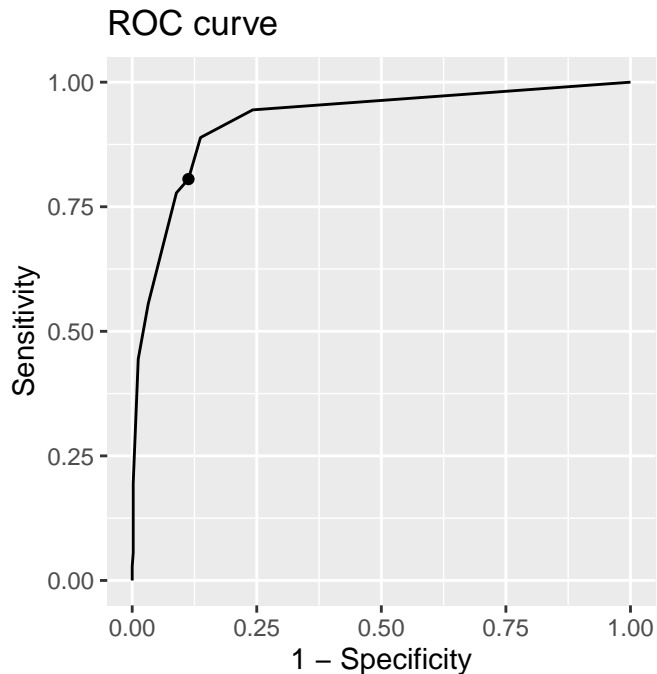
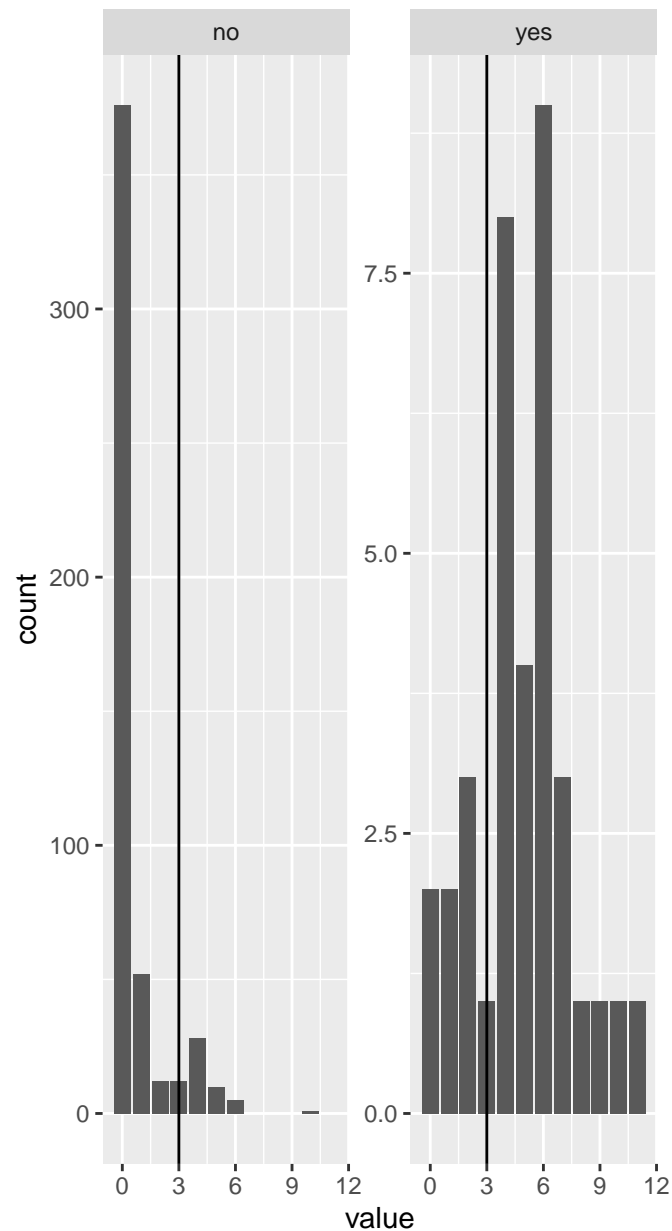
## Bootstrap

out-of-bag estimates



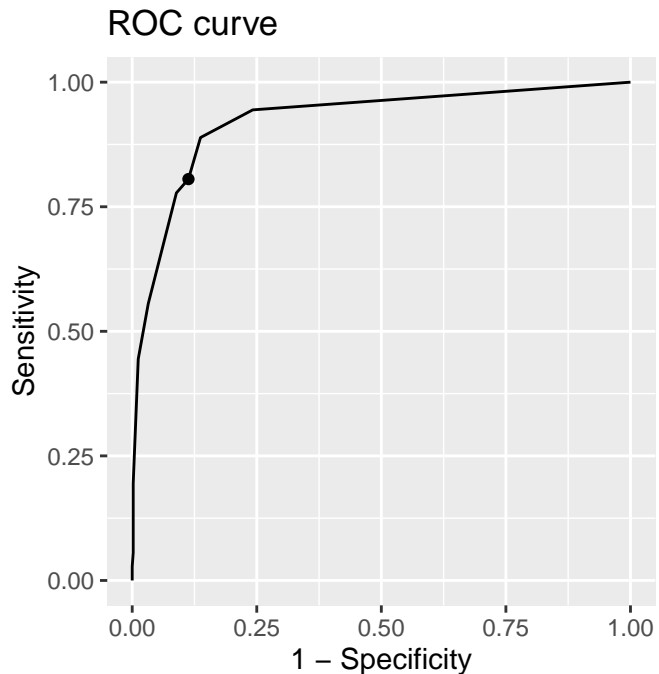
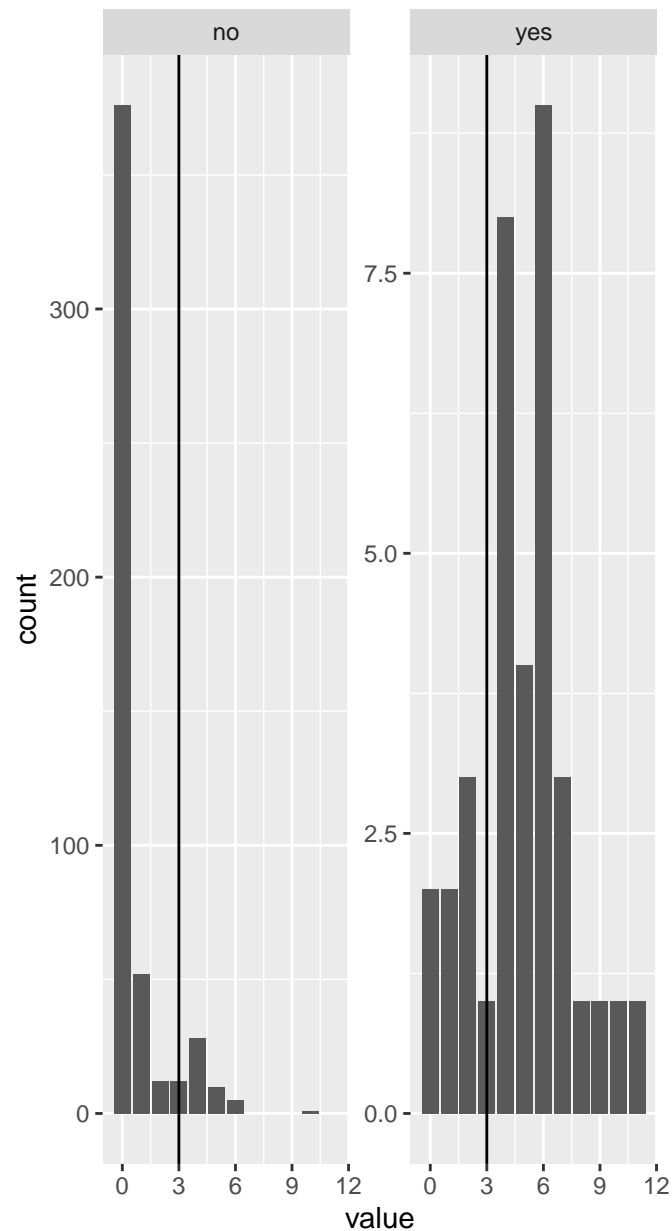
# Independent variable

optimal cutpoint and distribution by class



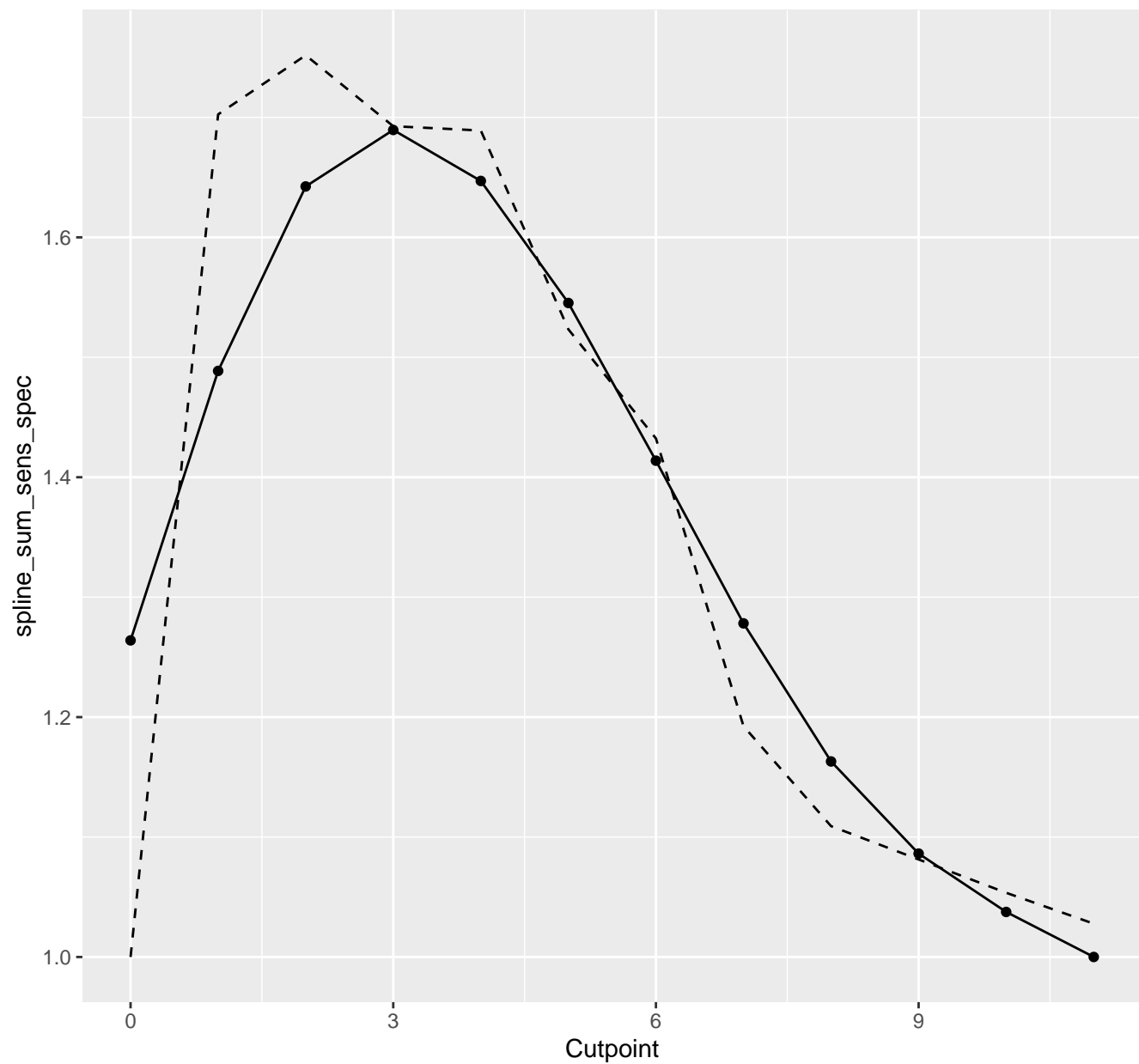
# Independent variable

optimal cutpoint and distribution by class

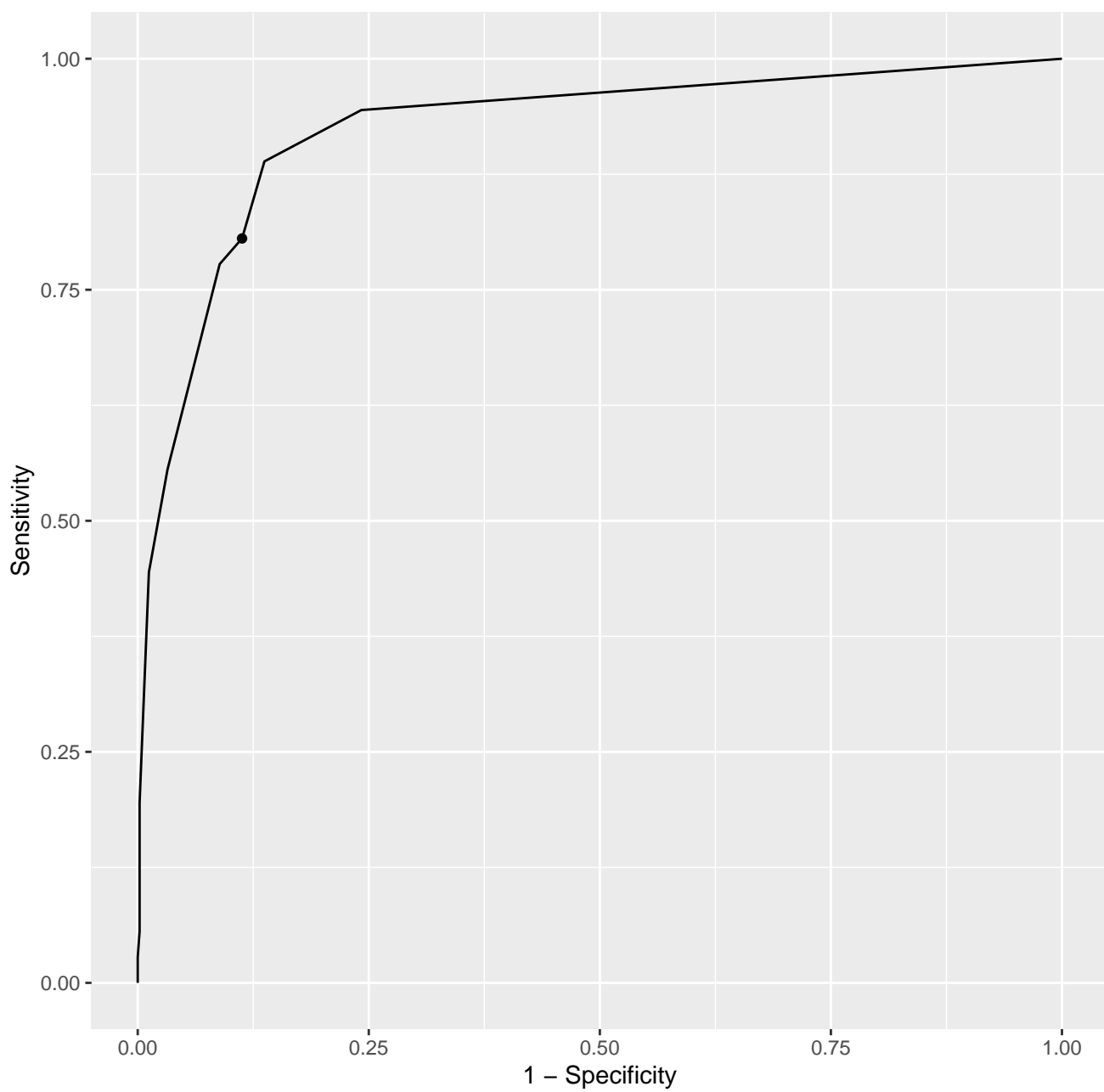


# Metric values by cutpoint value

in-sample results, unsmoothed values as dashed line

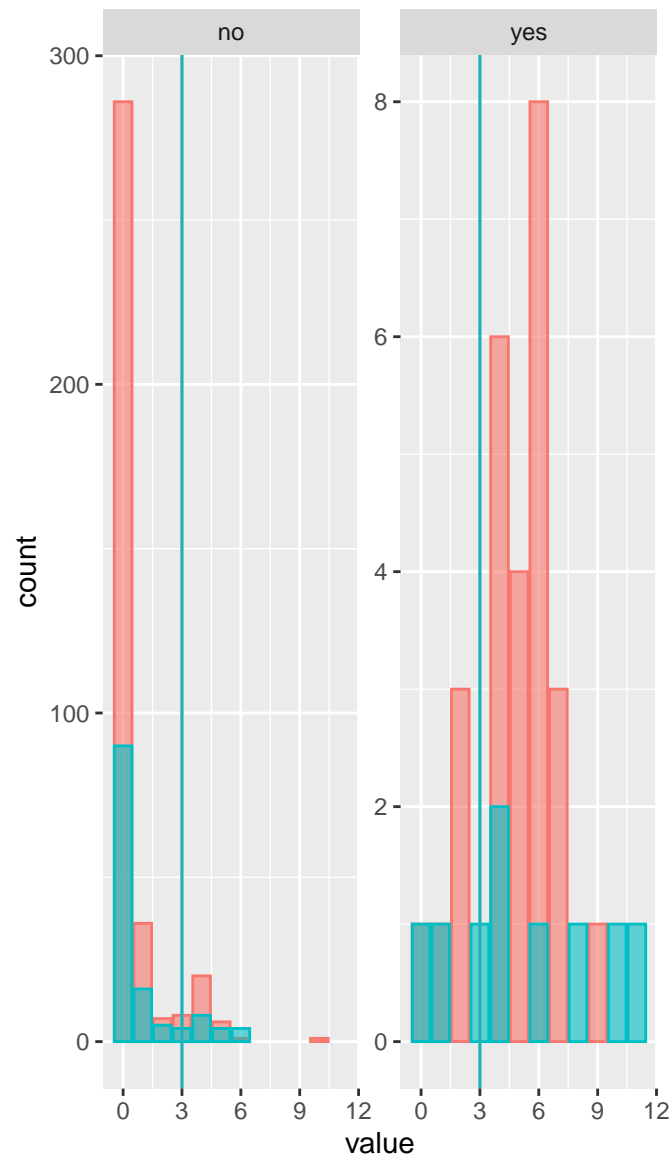


ROC curve



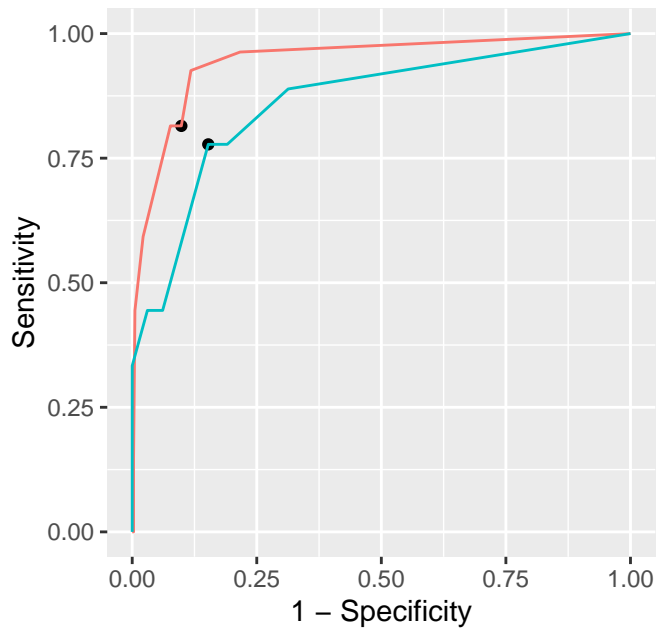
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

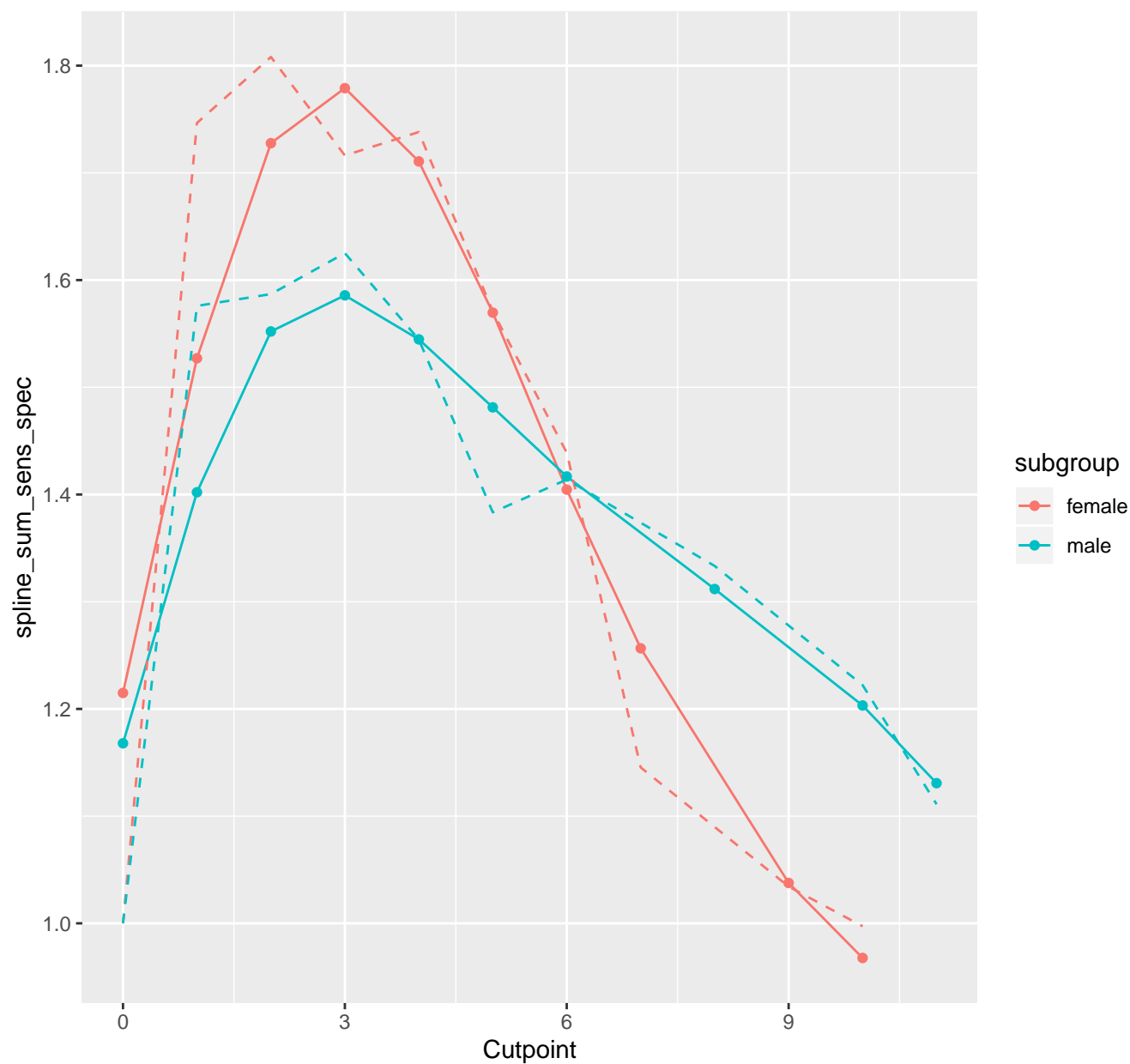
by class



Subgroup female male

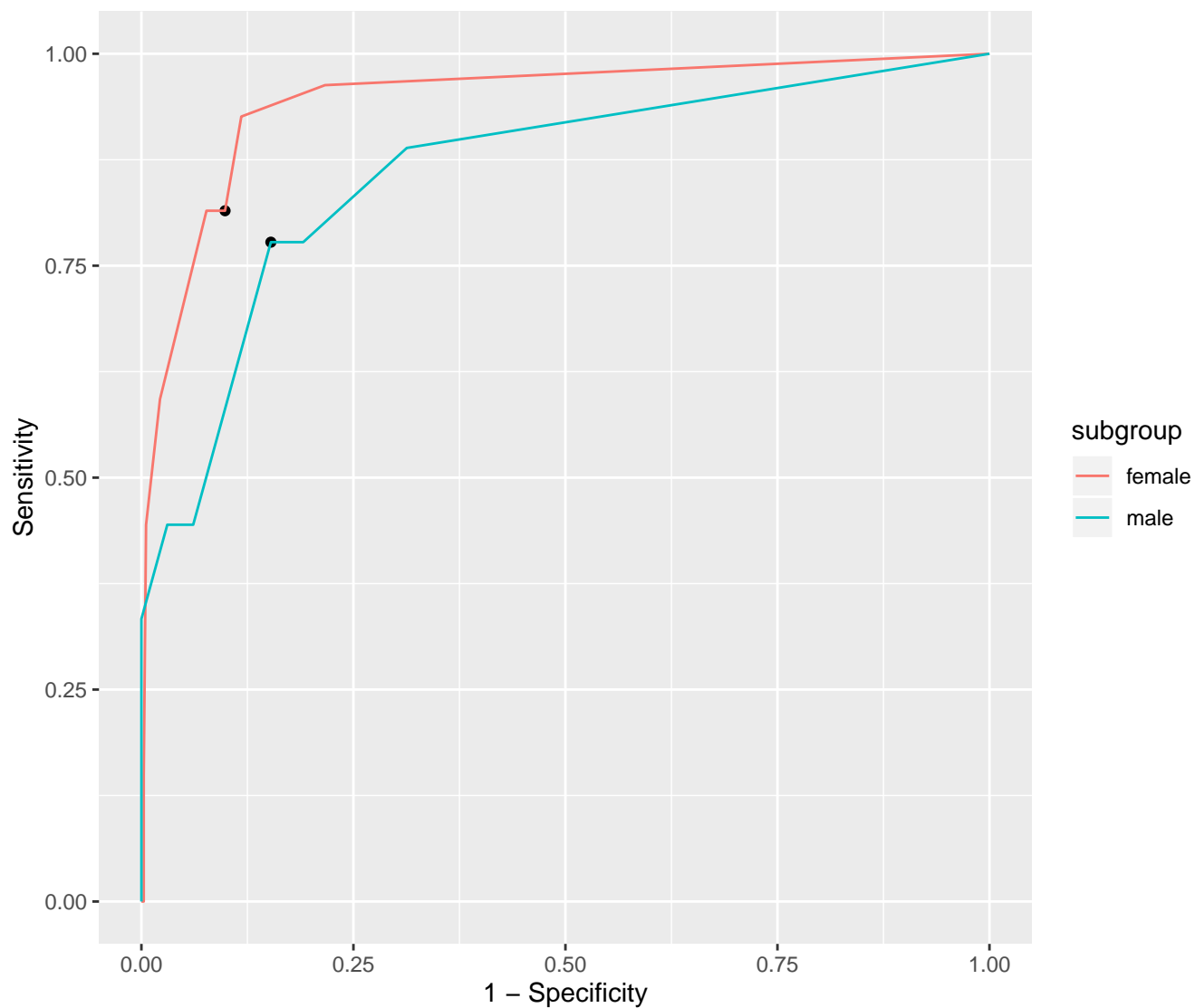
# Metric values by cutpoint value

in-sample results, unsmoothed values as dashed line



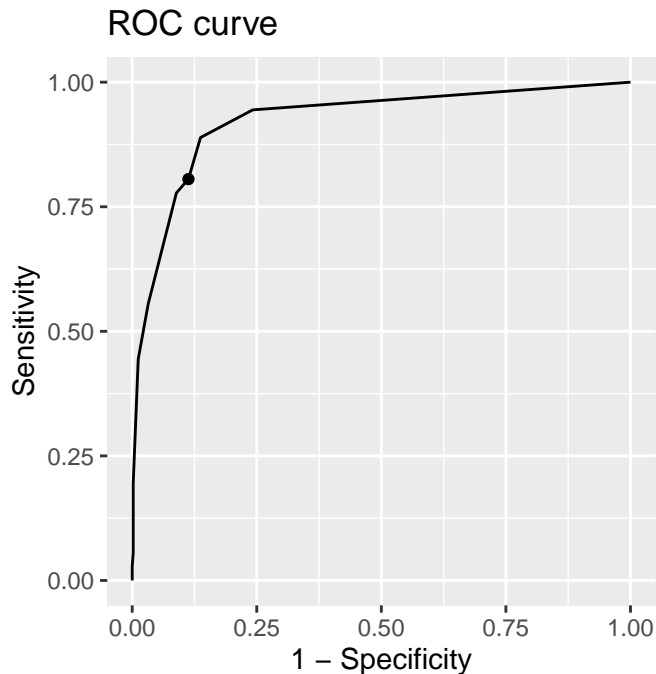
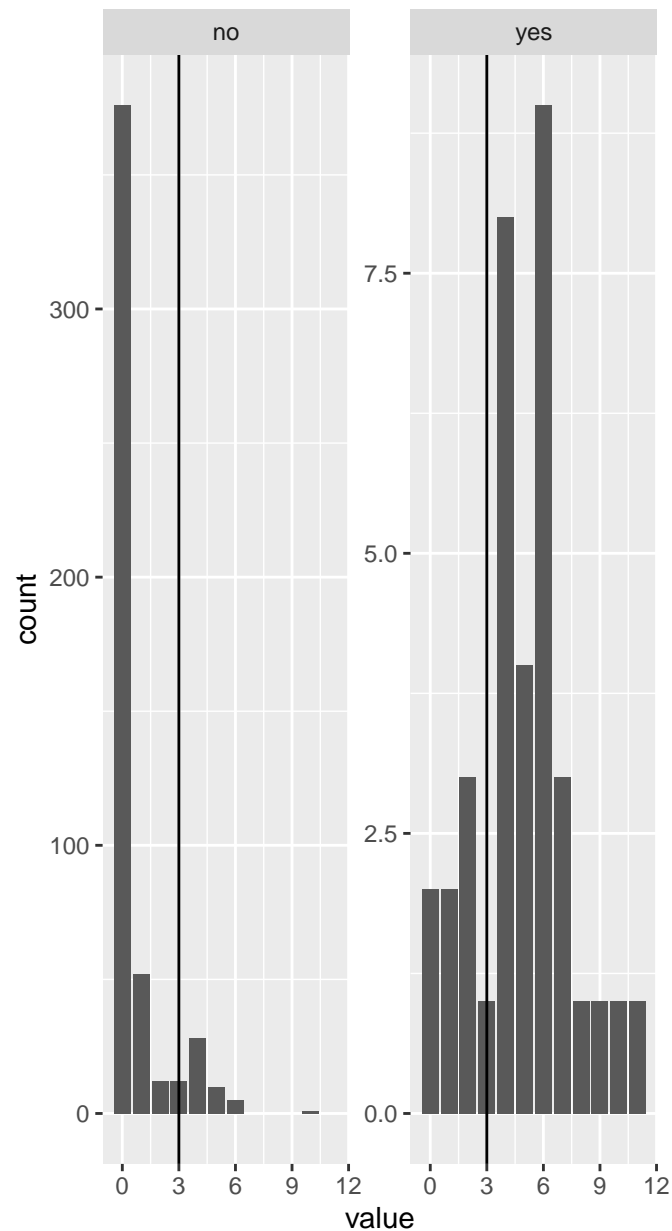
# ROC curve

by class



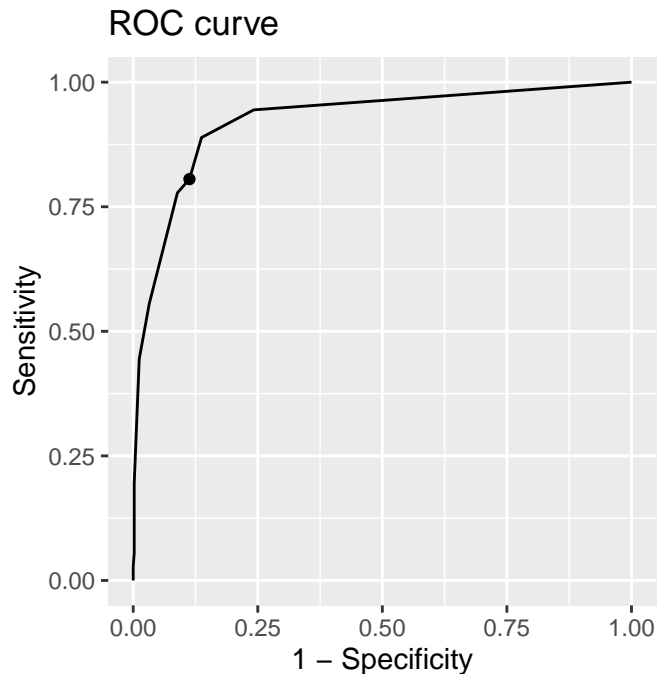
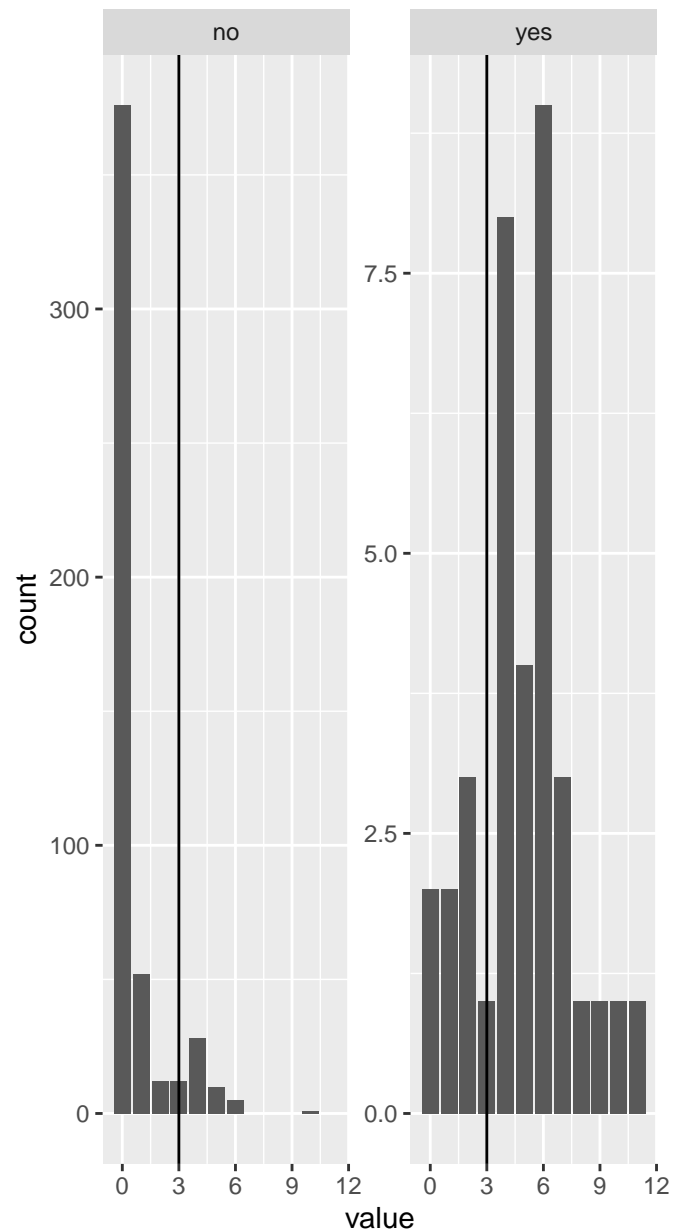
# Independent variable

optimal cutpoint and distribution by class



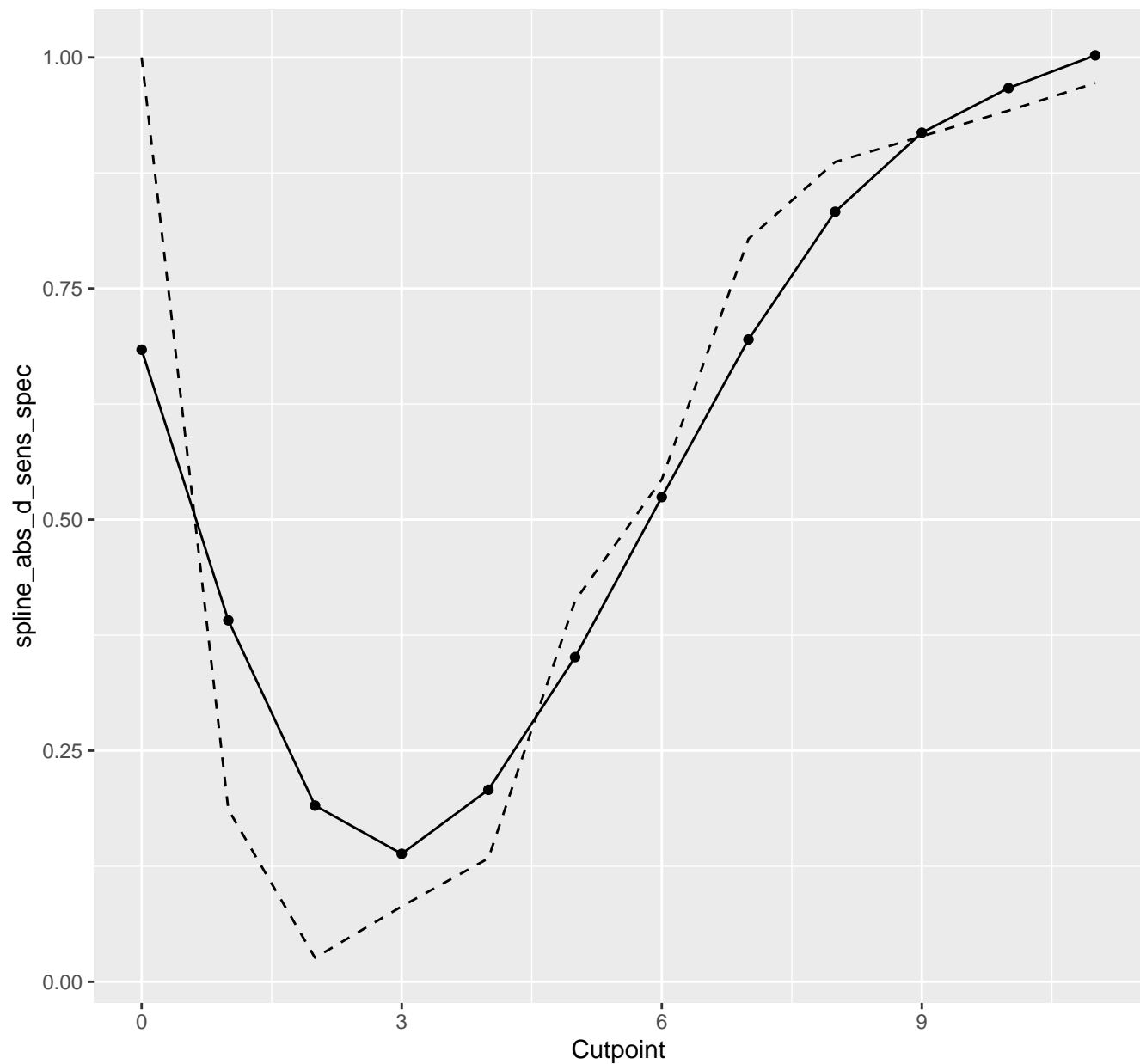
# Independent variable

optimal cutpoint and distribution by class

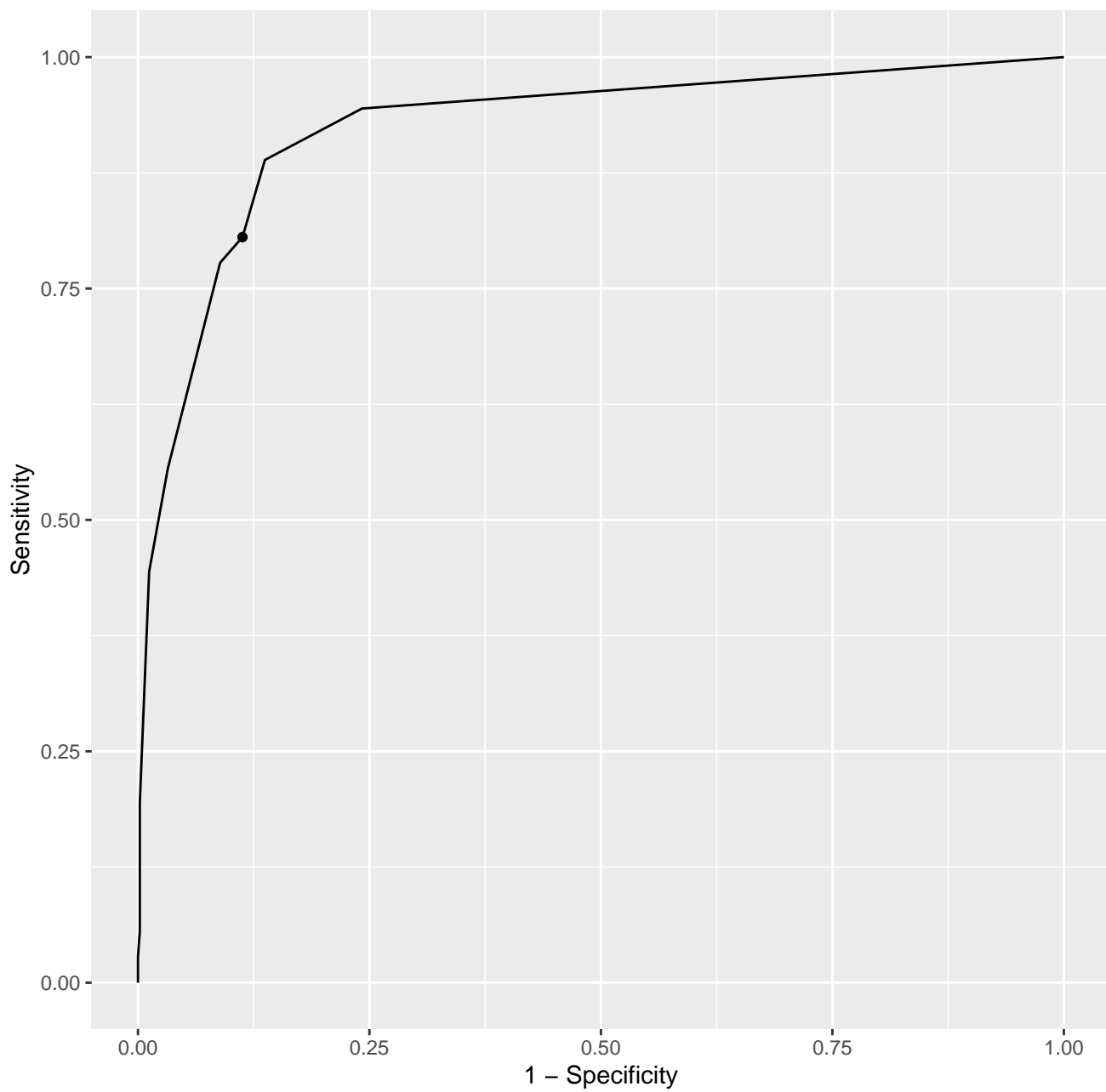


# Metric values by cutpoint value

in-sample results, unsmoothed values as dashed line

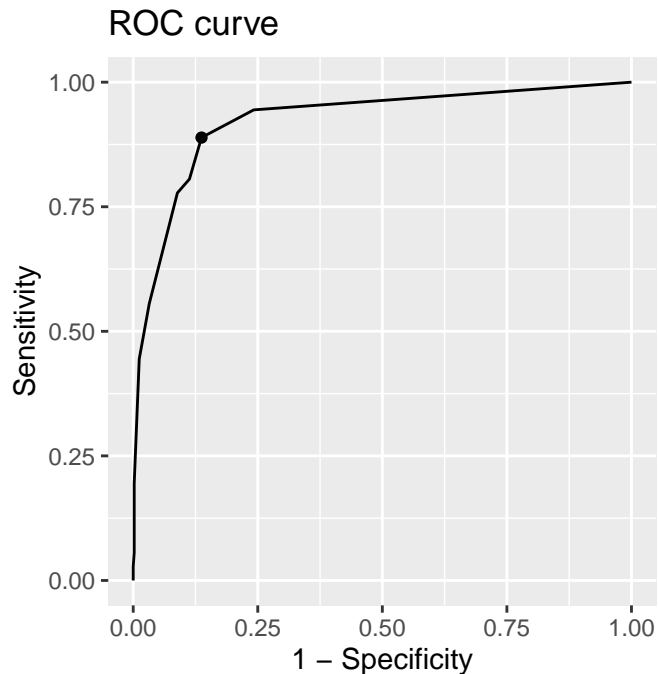
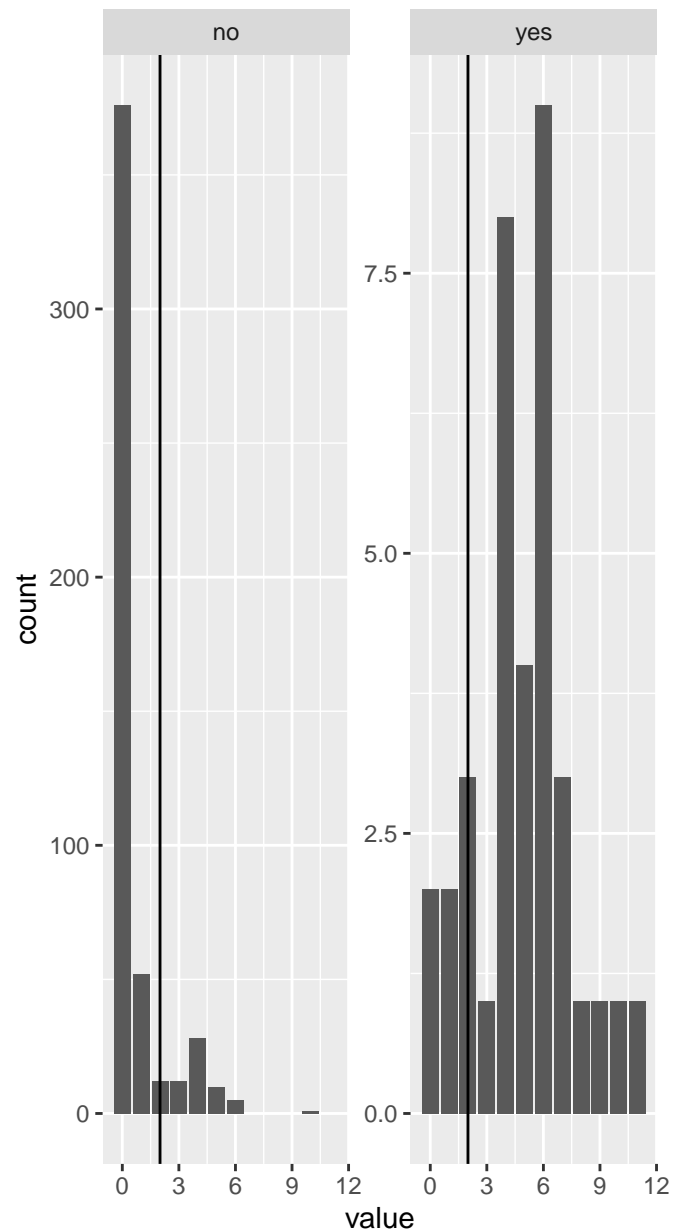


ROC curve



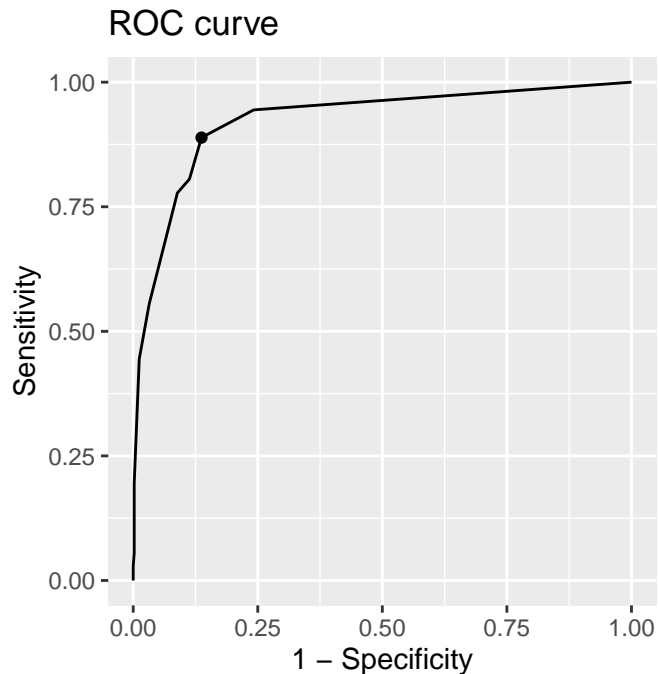
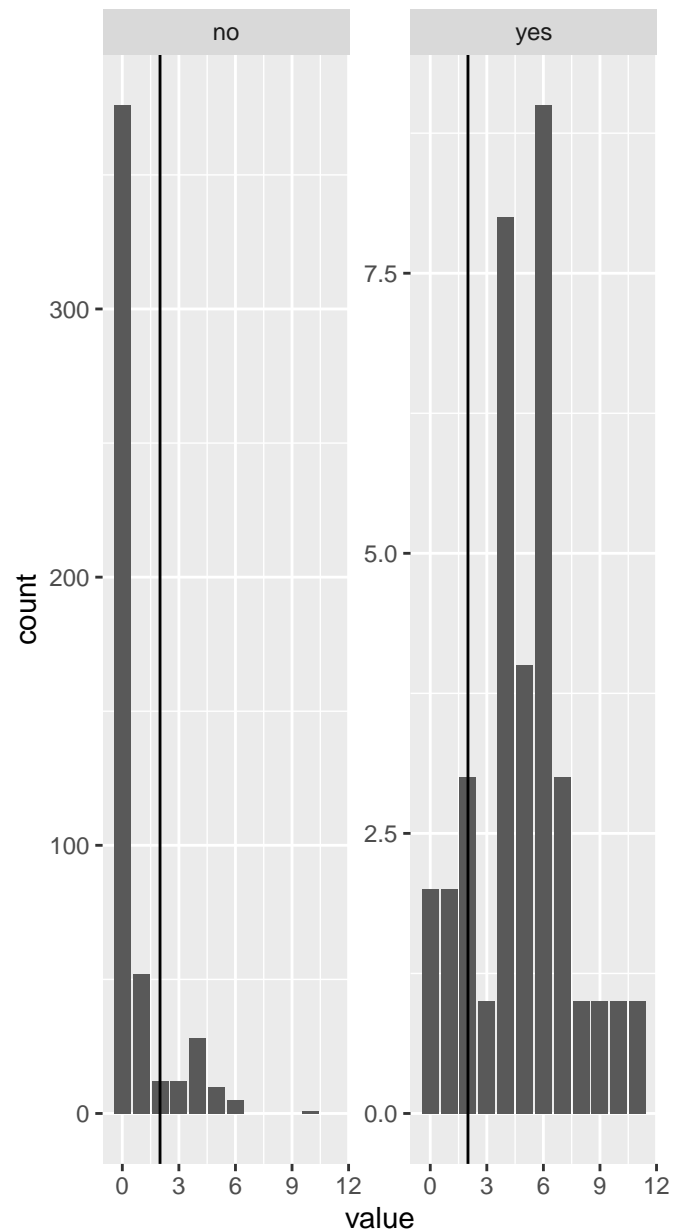
# Independent variable

optimal cutpoint and distribution by class



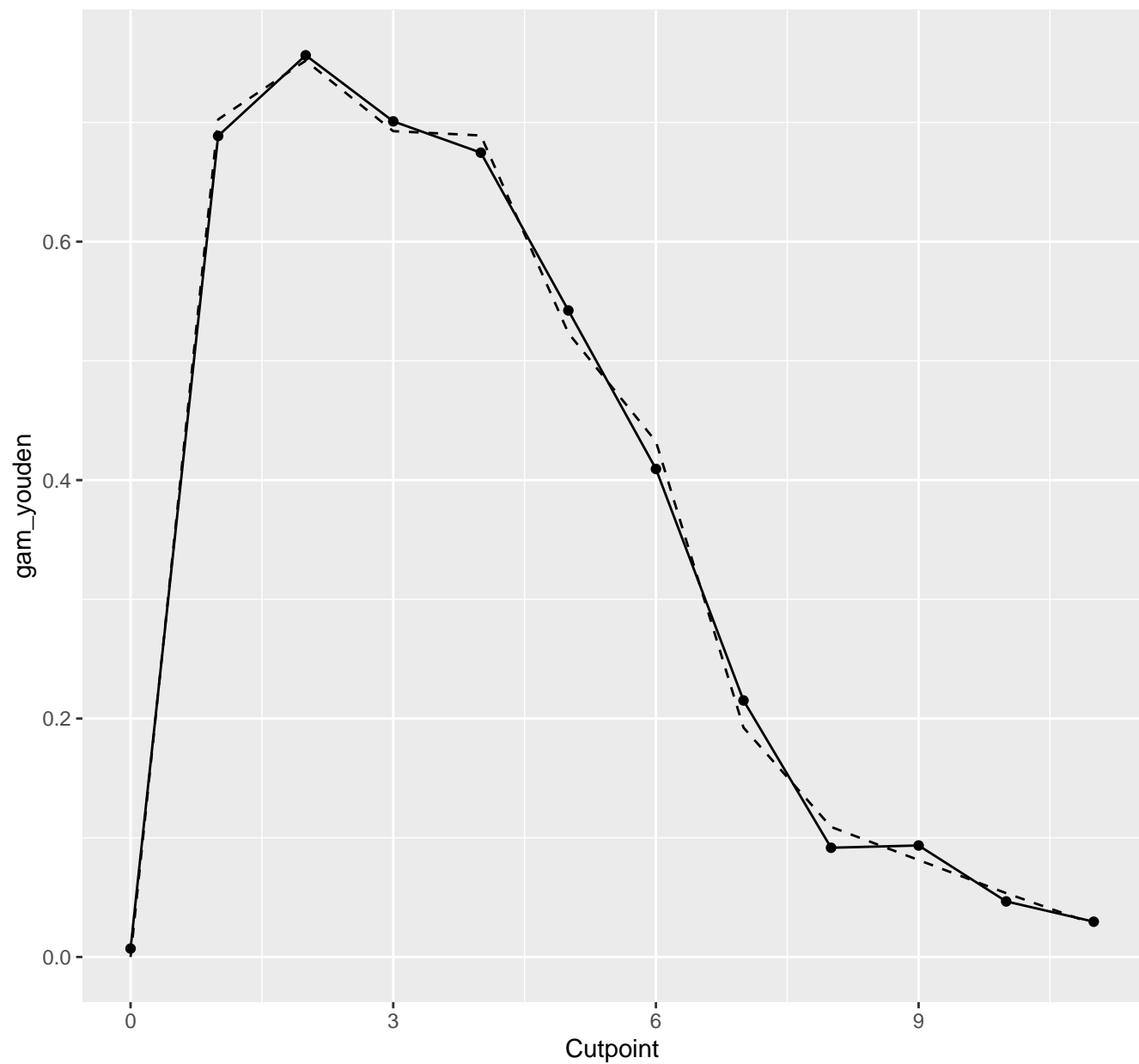
# Independent variable

optimal cutpoint and distribution by class

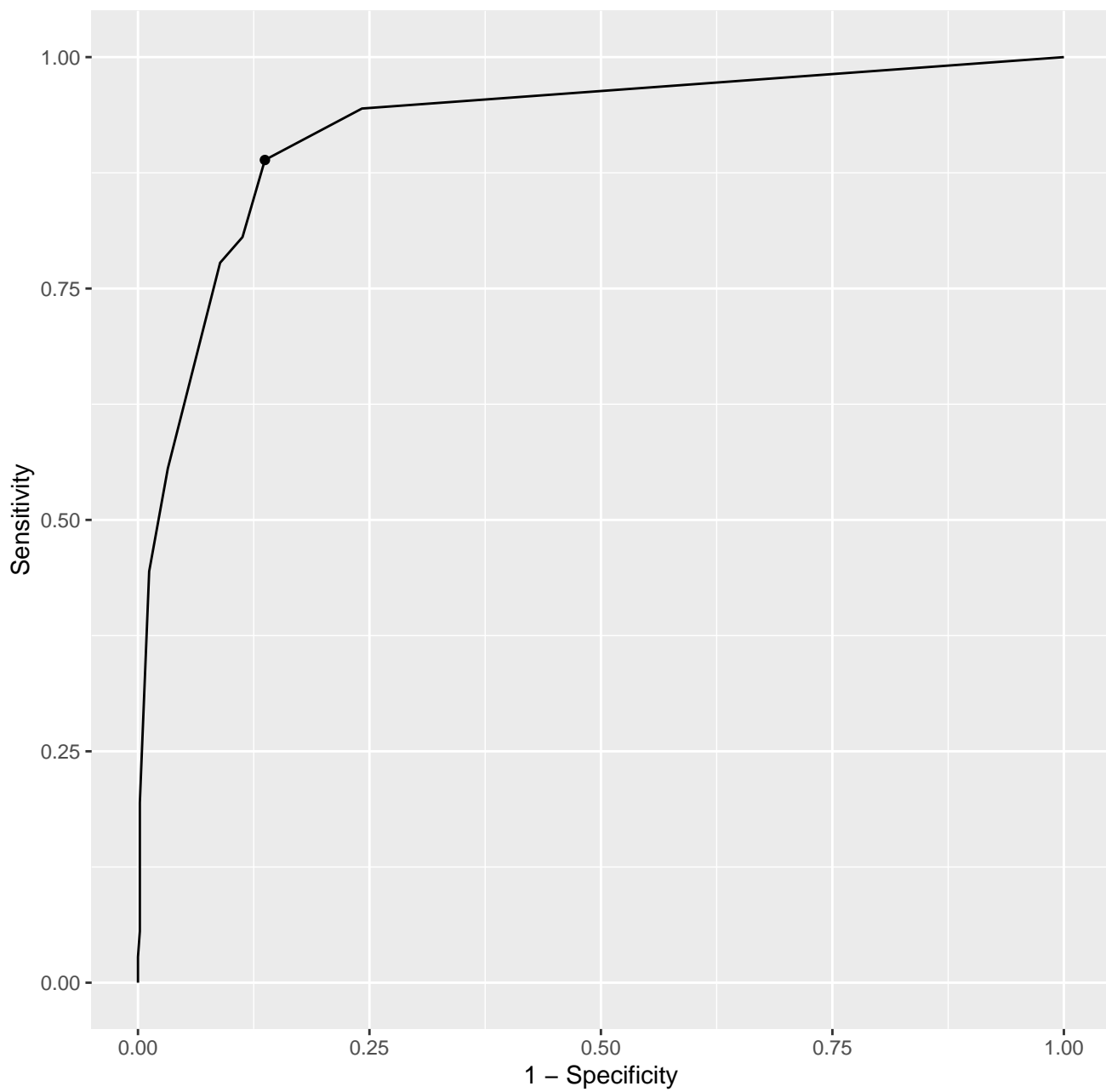


# Metric values by cutpoint value

in-sample results, unsmoothed values as dashed line

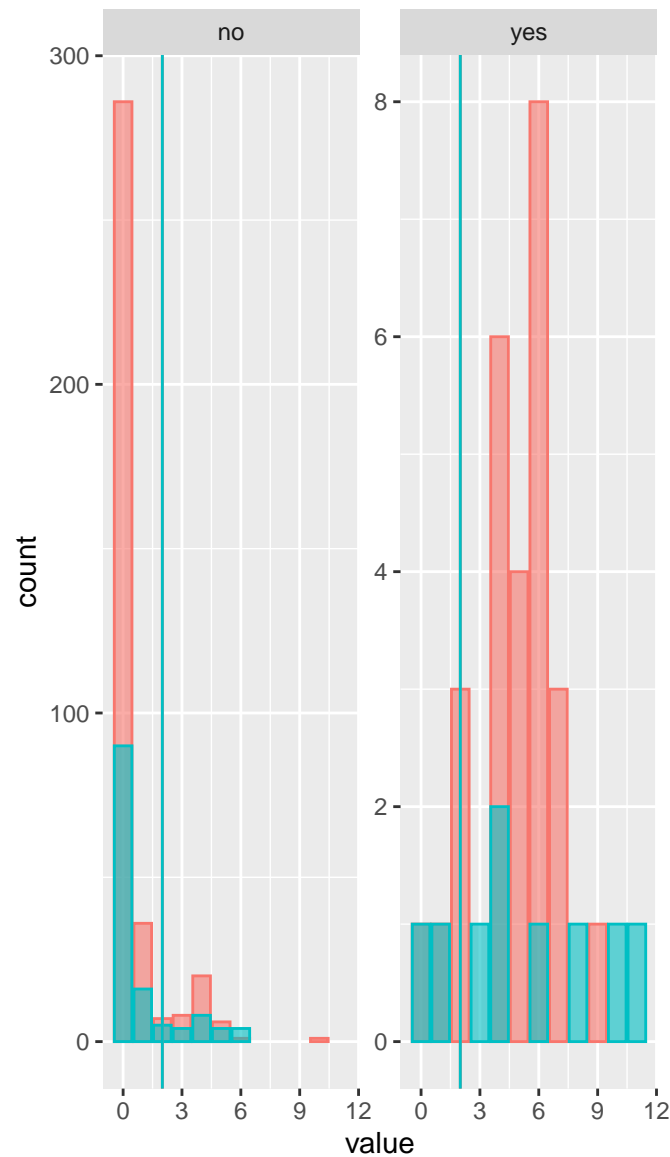


ROC curve



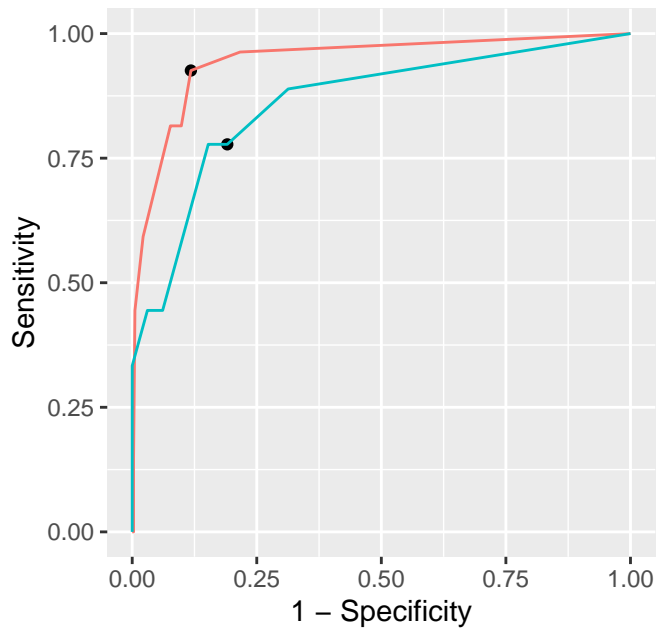
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

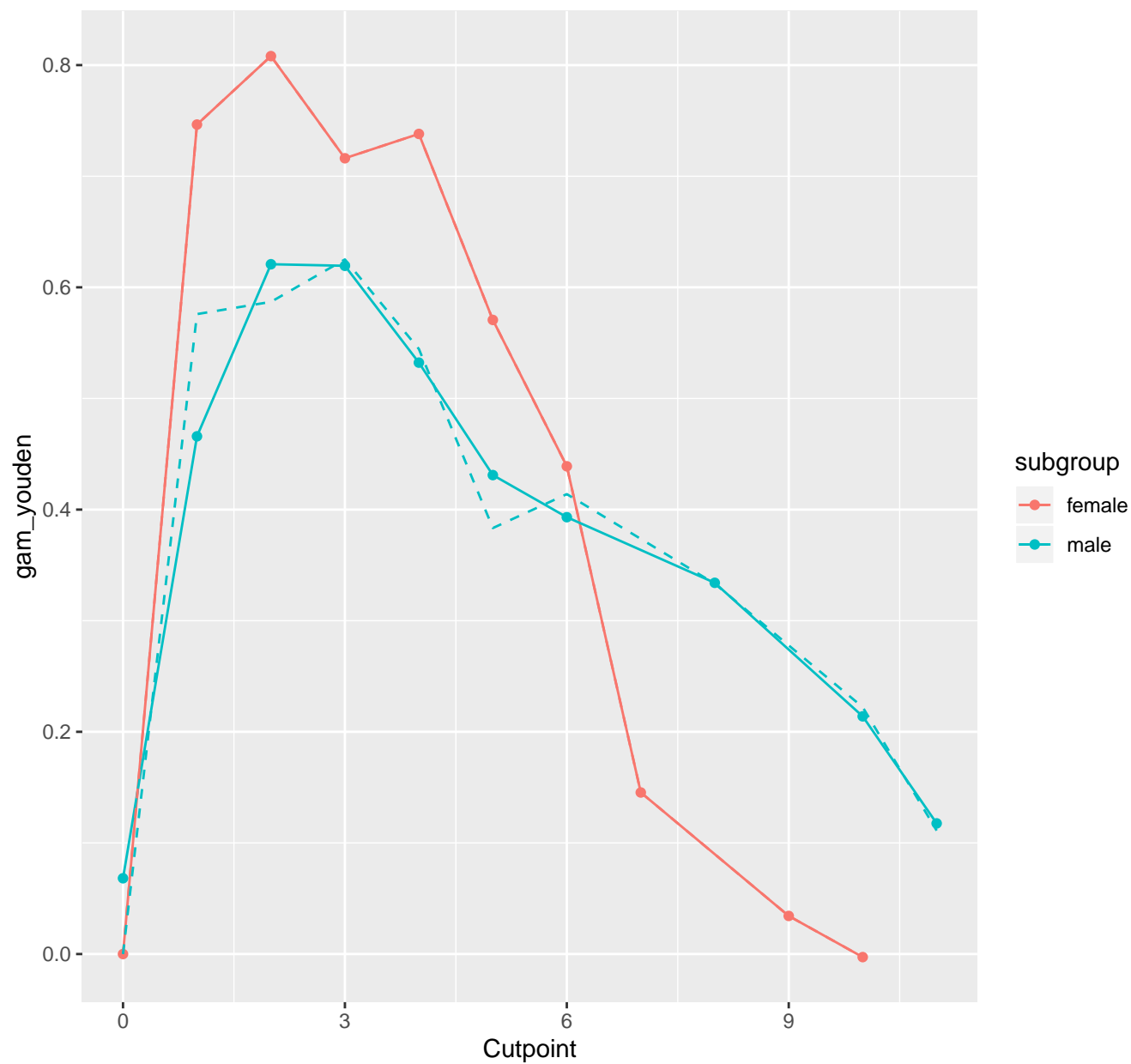
by class



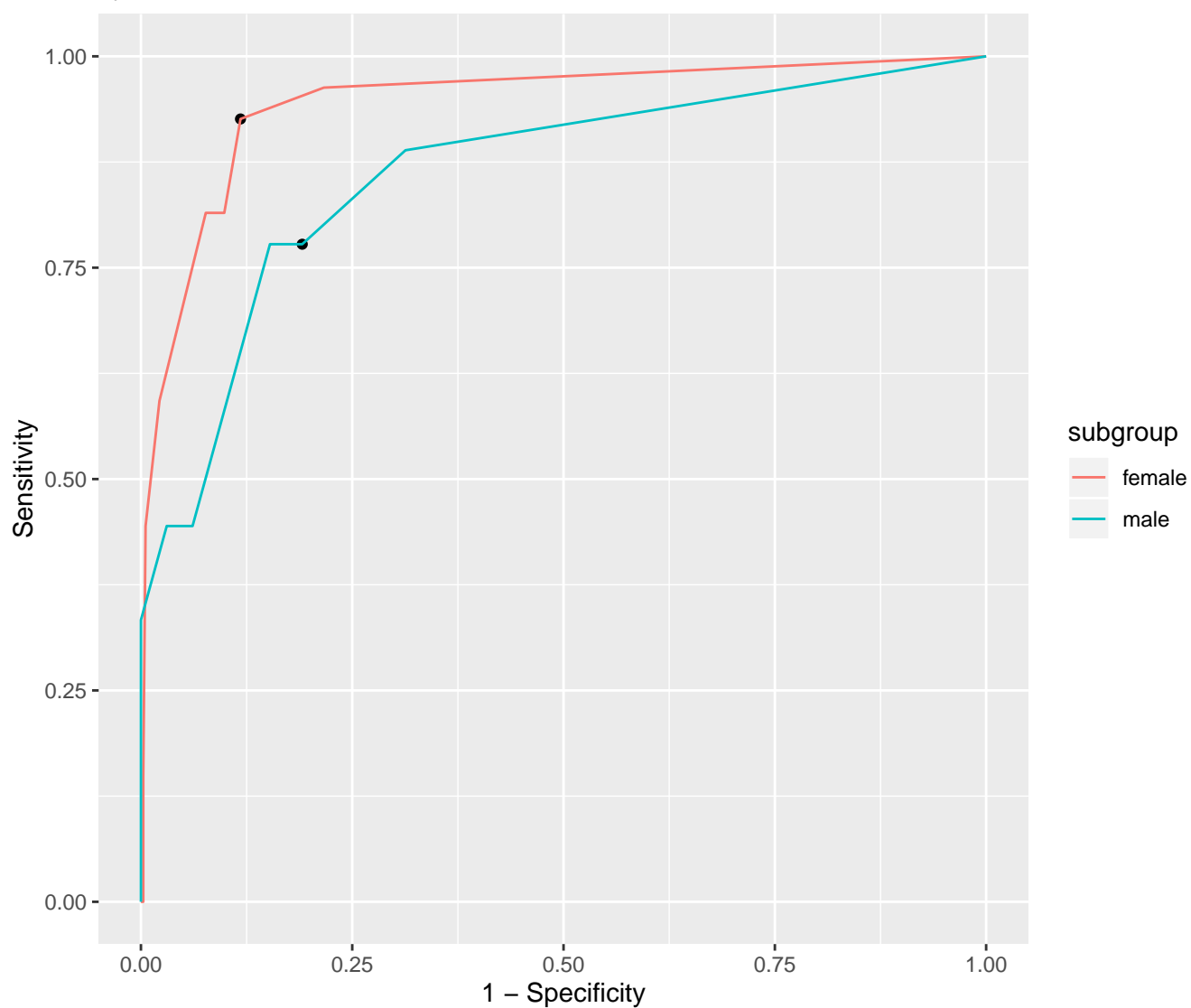
Subgroup female male

# Metric values by cutpoint value

in-sample results, unsmoothed values as dashed line

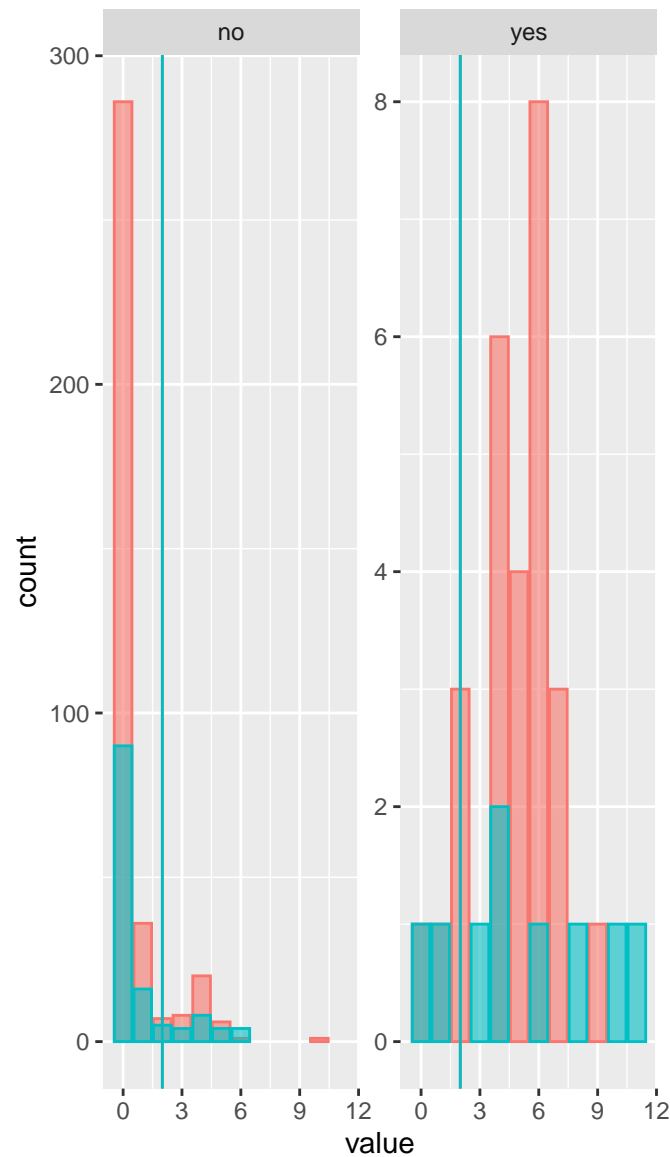


ROC curve  
by class



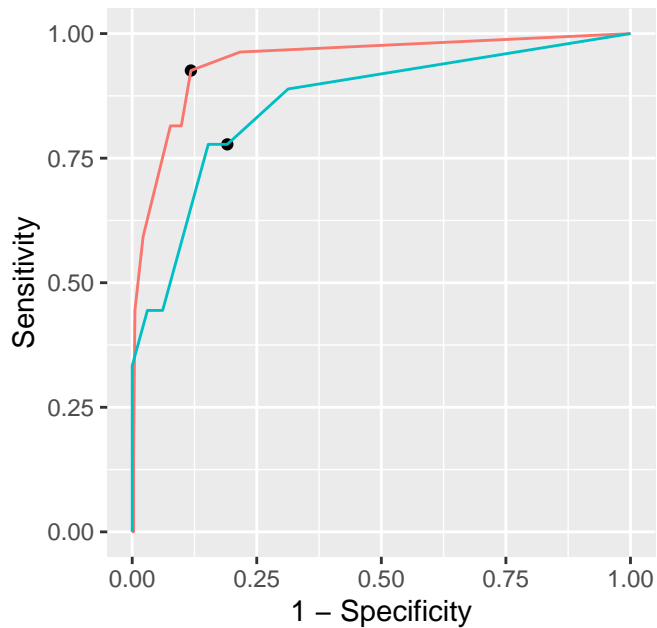
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

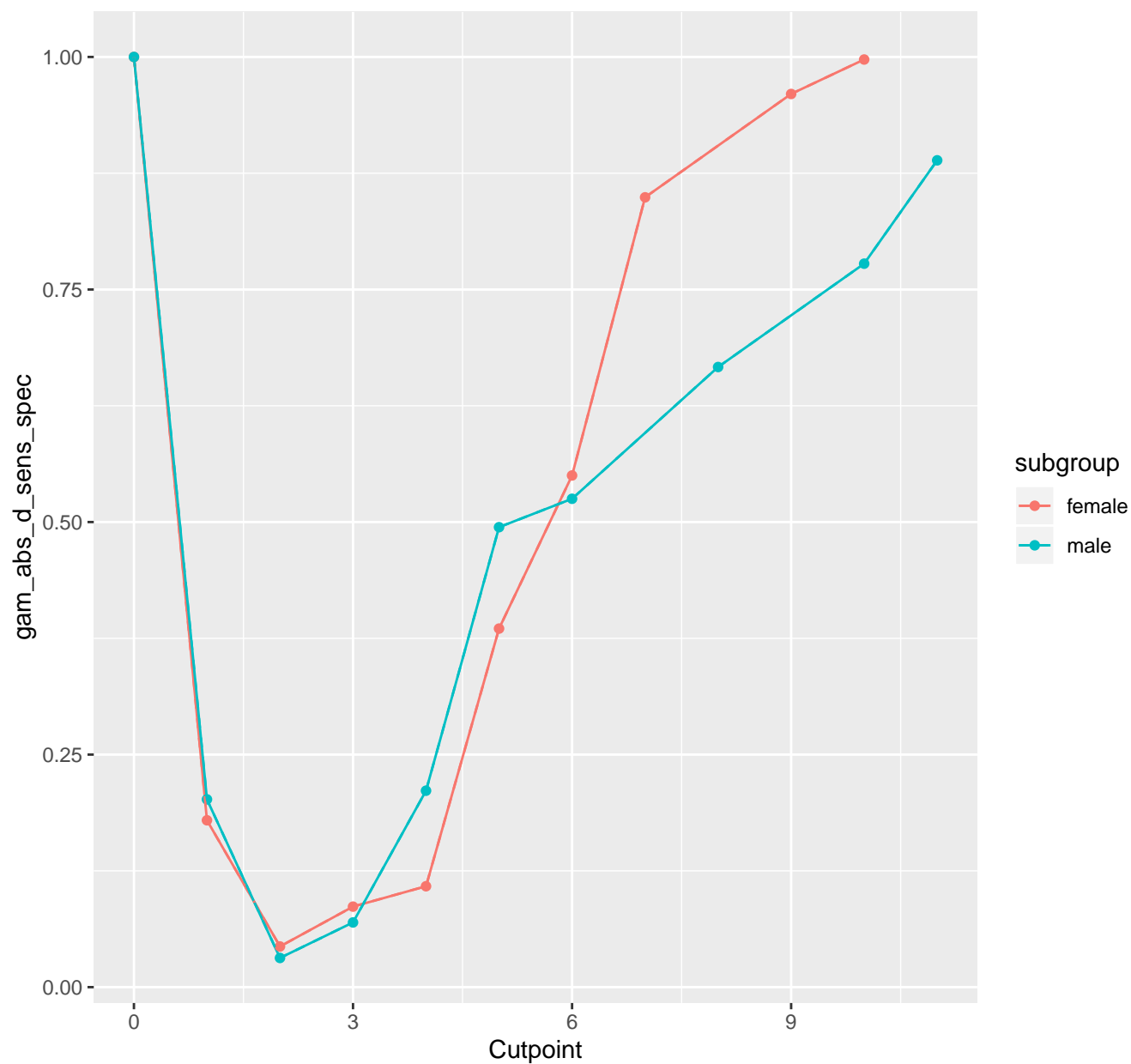
by class



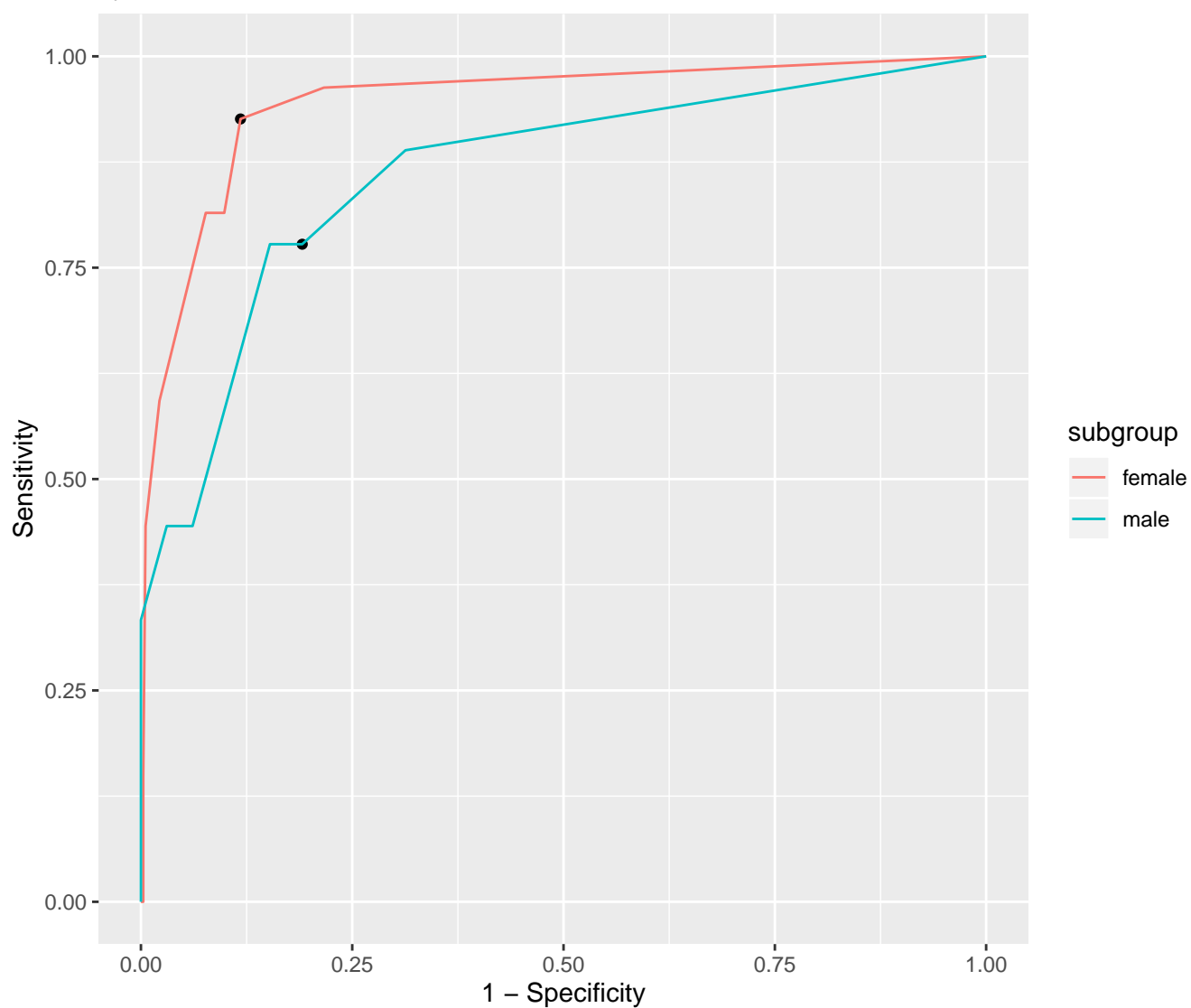
Subgroup female male

# Metric values by cutpoint value

in-sample results, unsmoothed values as dashed line

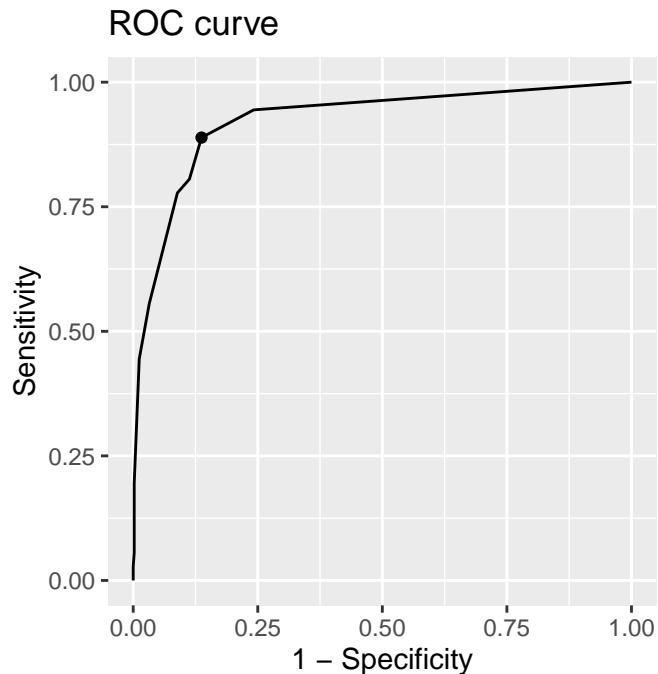
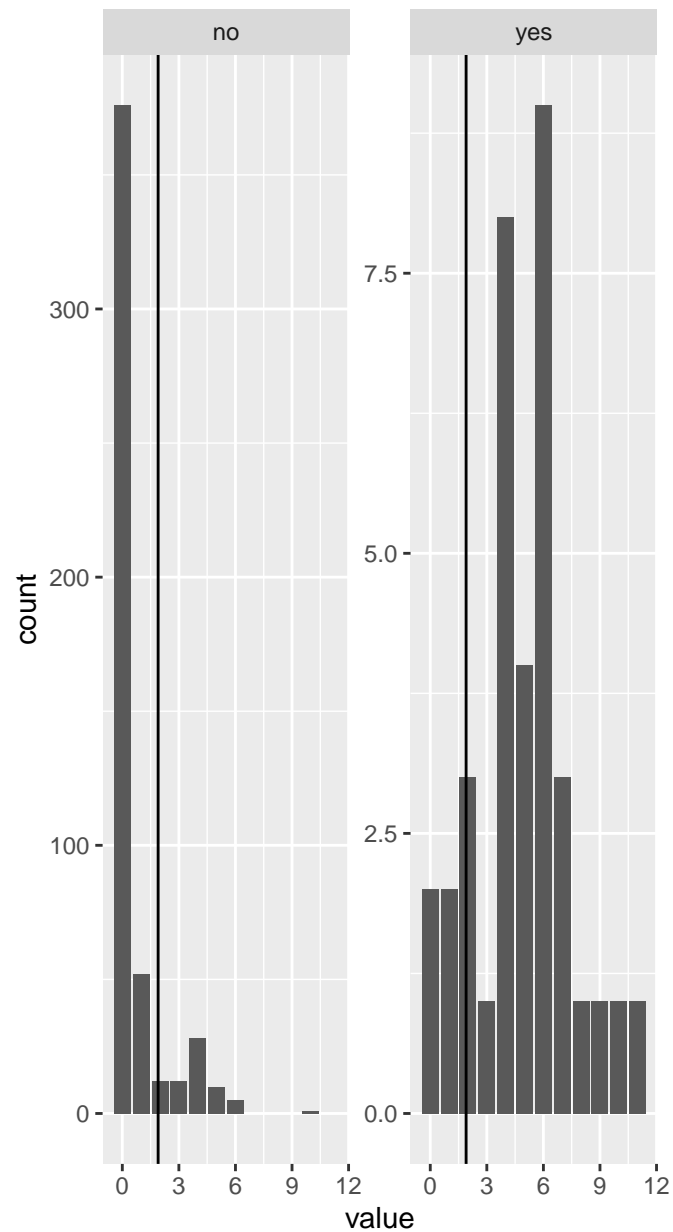


ROC curve  
by class



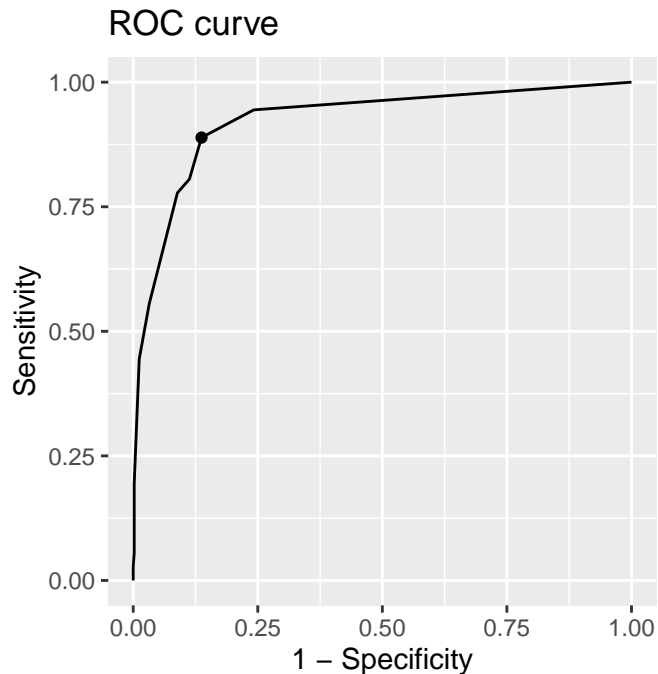
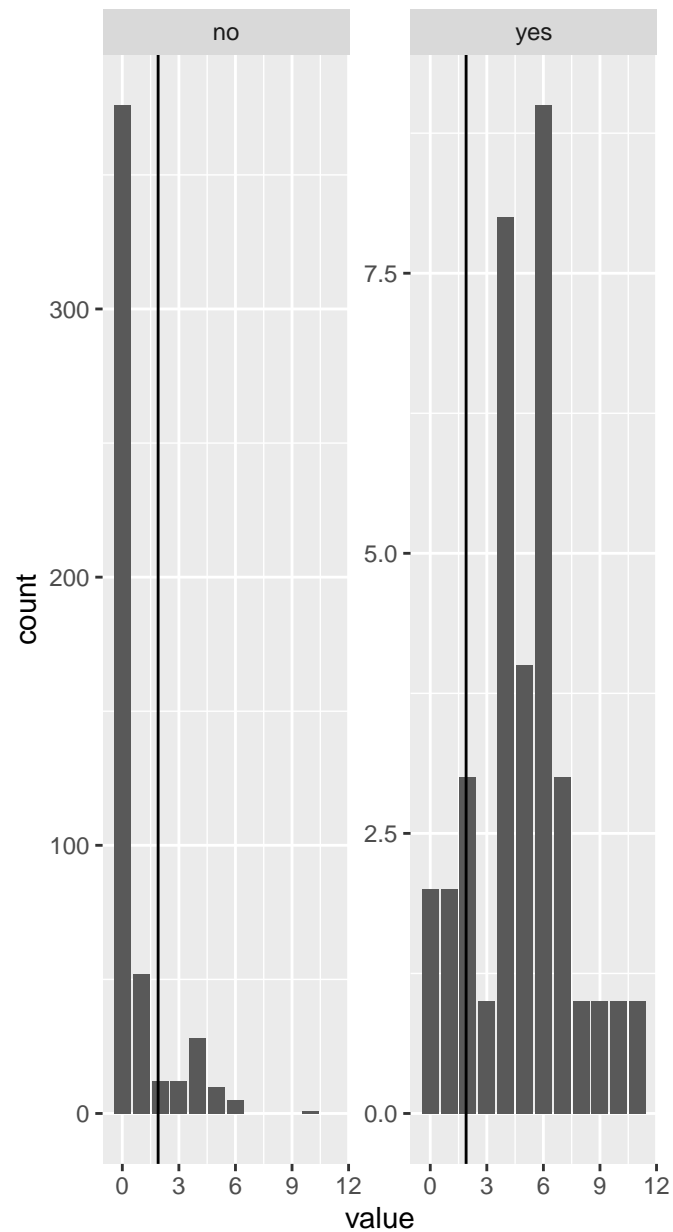
# Independent variable

optimal cutpoint and distribution by class

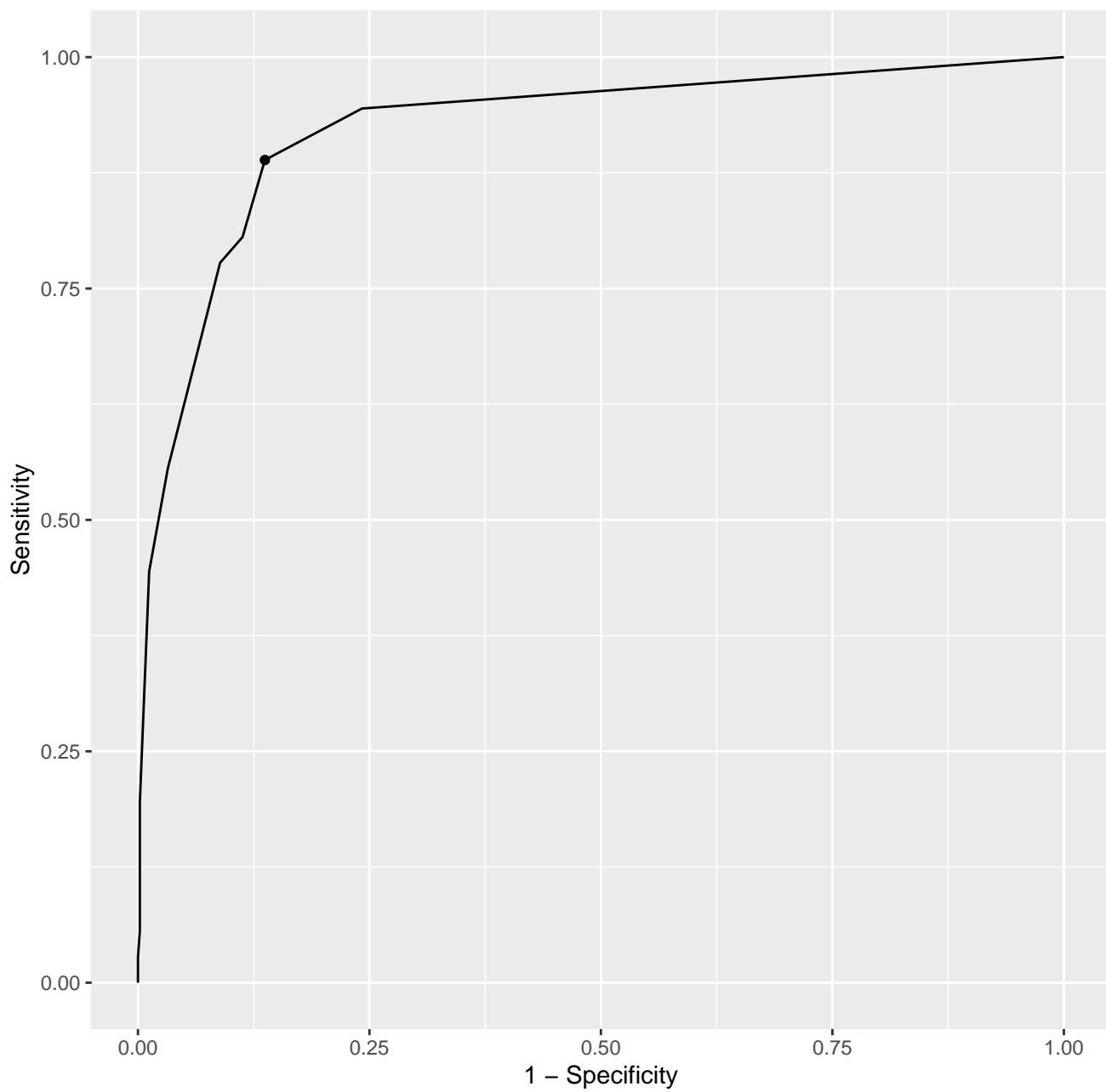


# Independent variable

optimal cutpoint and distribution by class

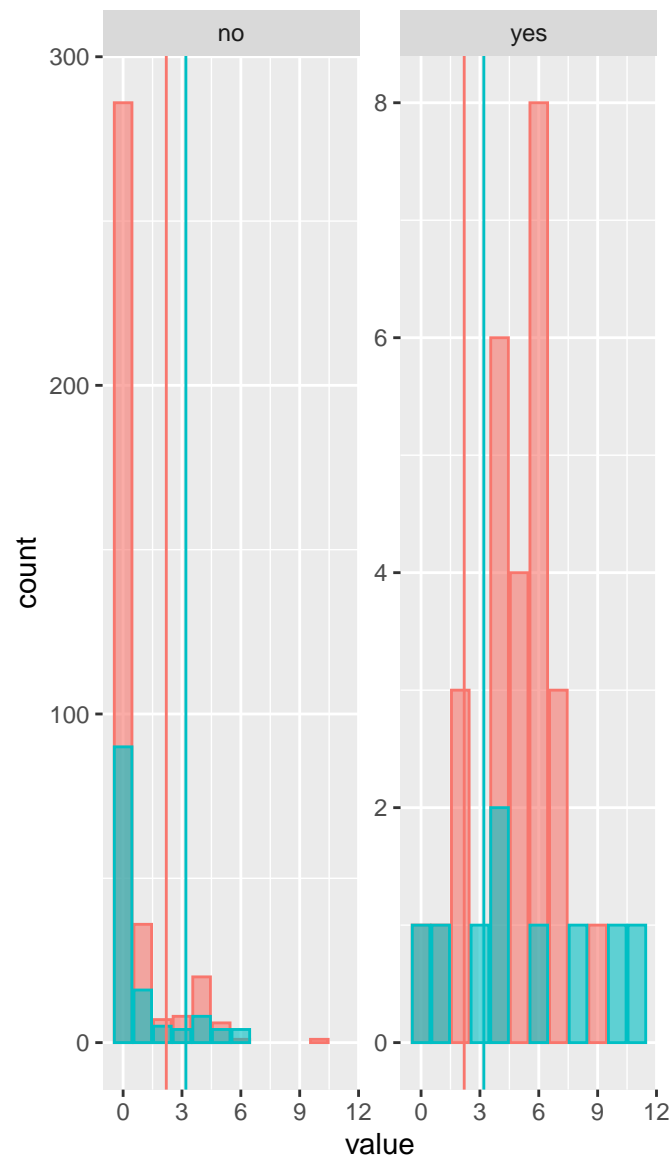


ROC curve



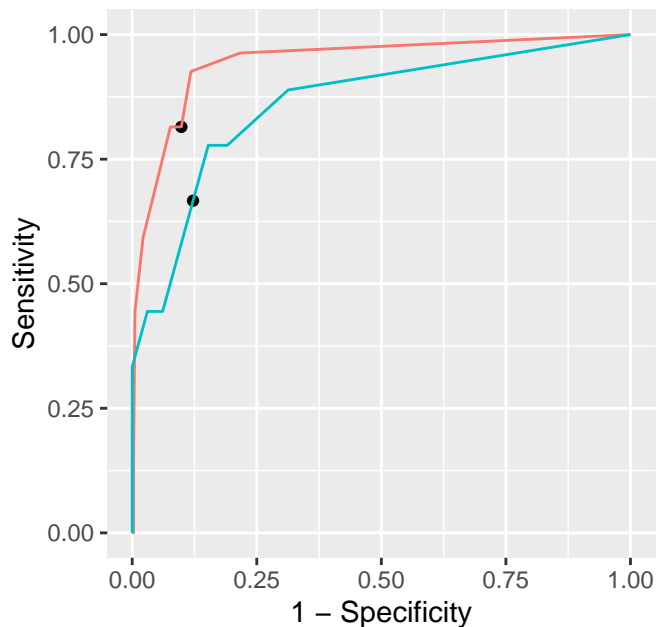
# Independent variable

optimal cutpoint and distribution by class



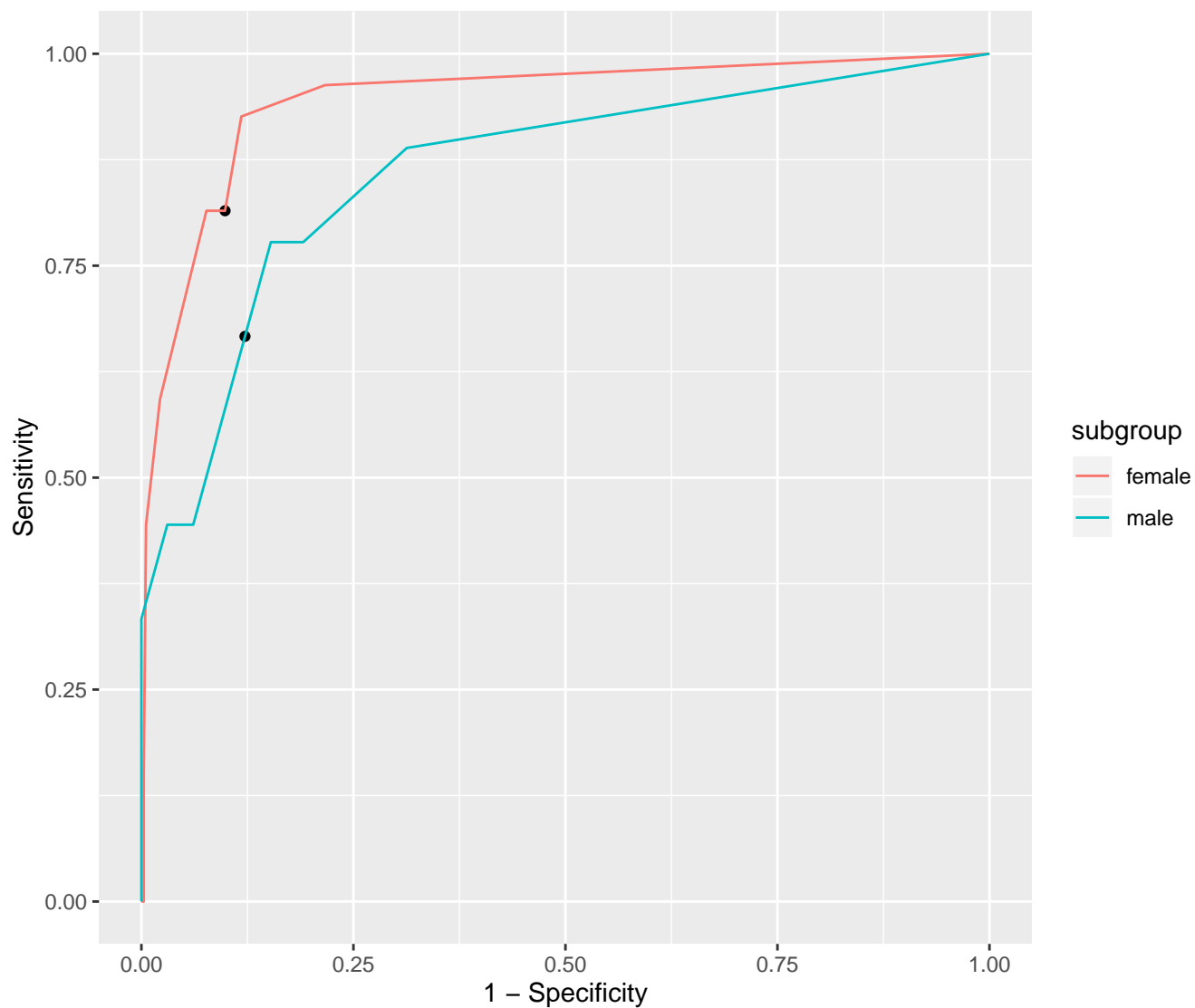
## ROC curve

by class



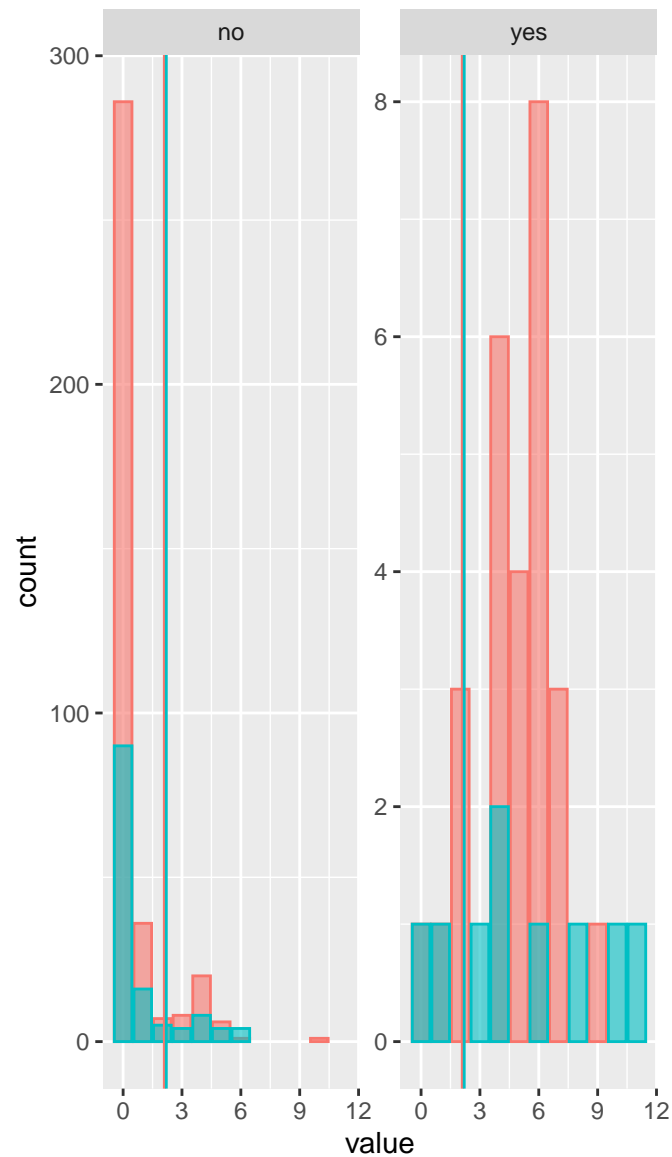
Subgroup female male

ROC curve  
by class



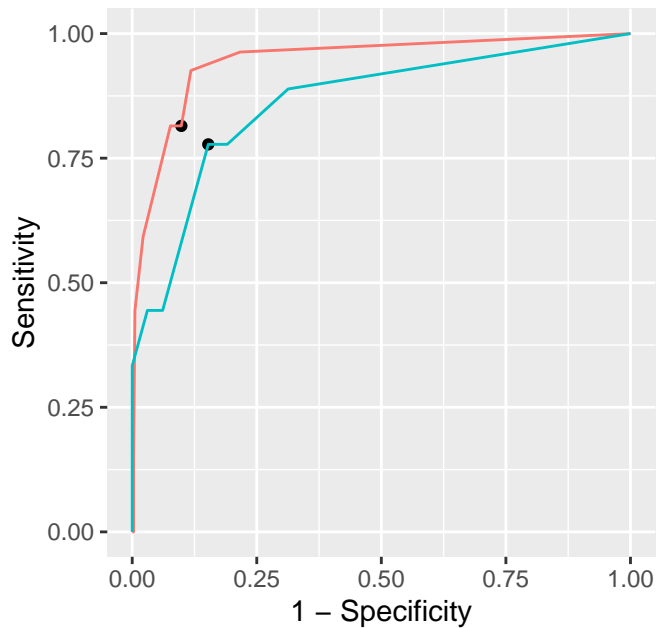
# Independent variable

optimal cutpoint and distribution by class



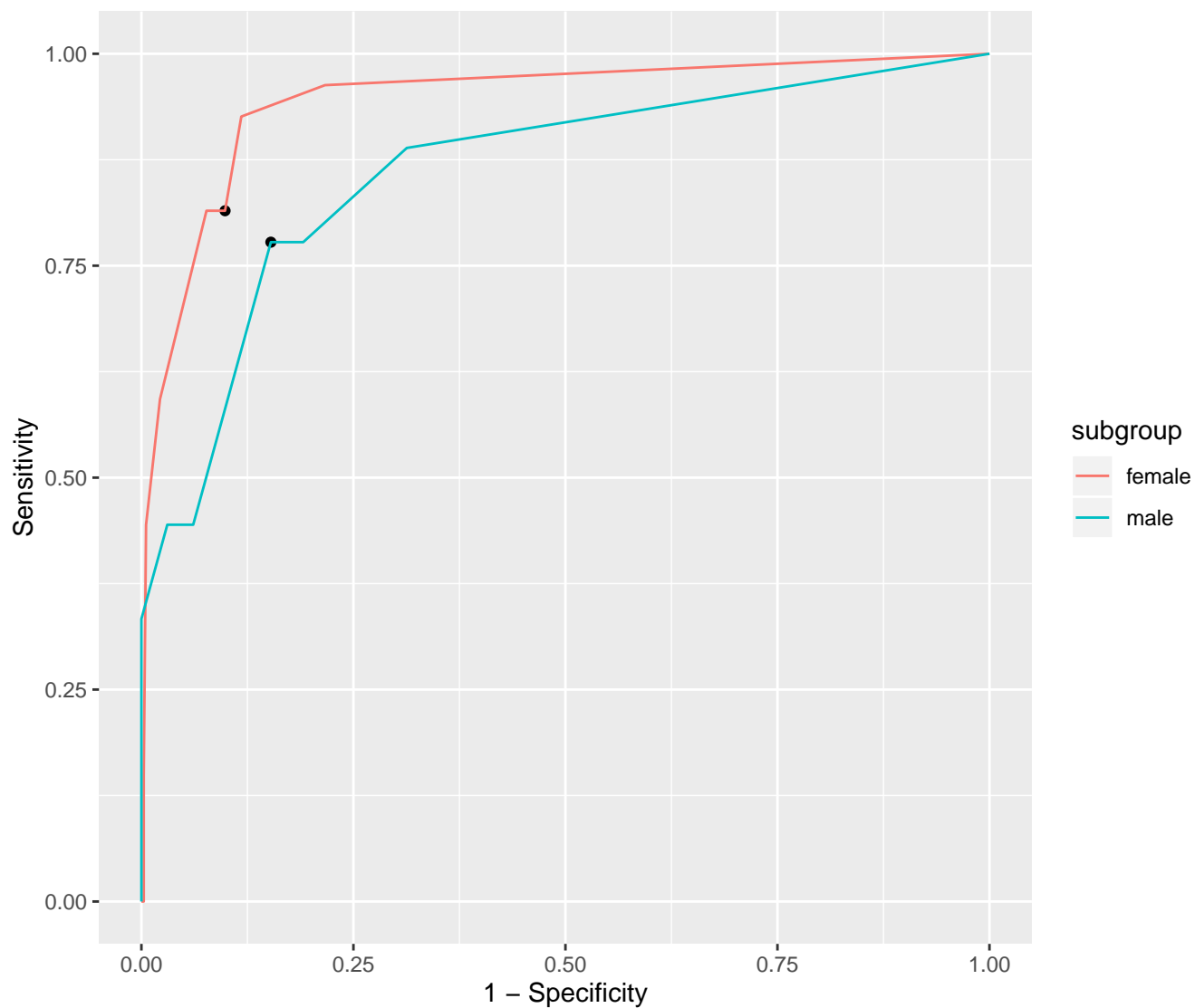
## ROC curve

by class



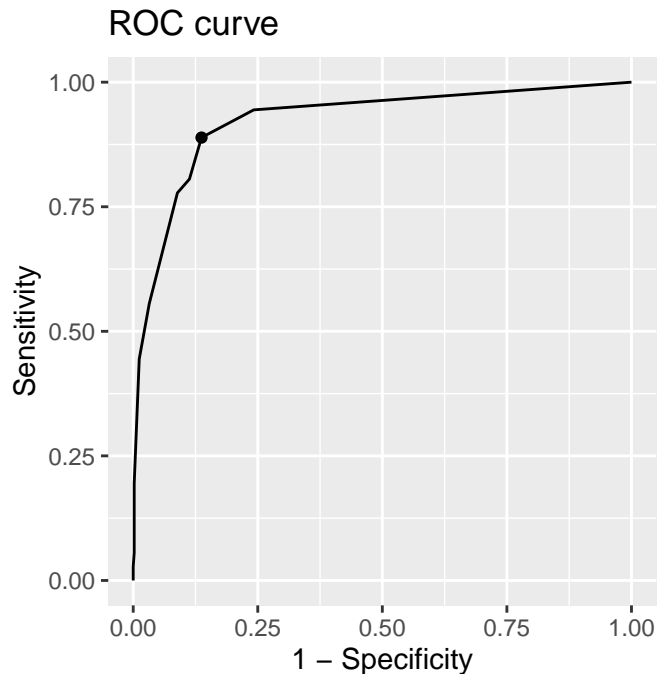
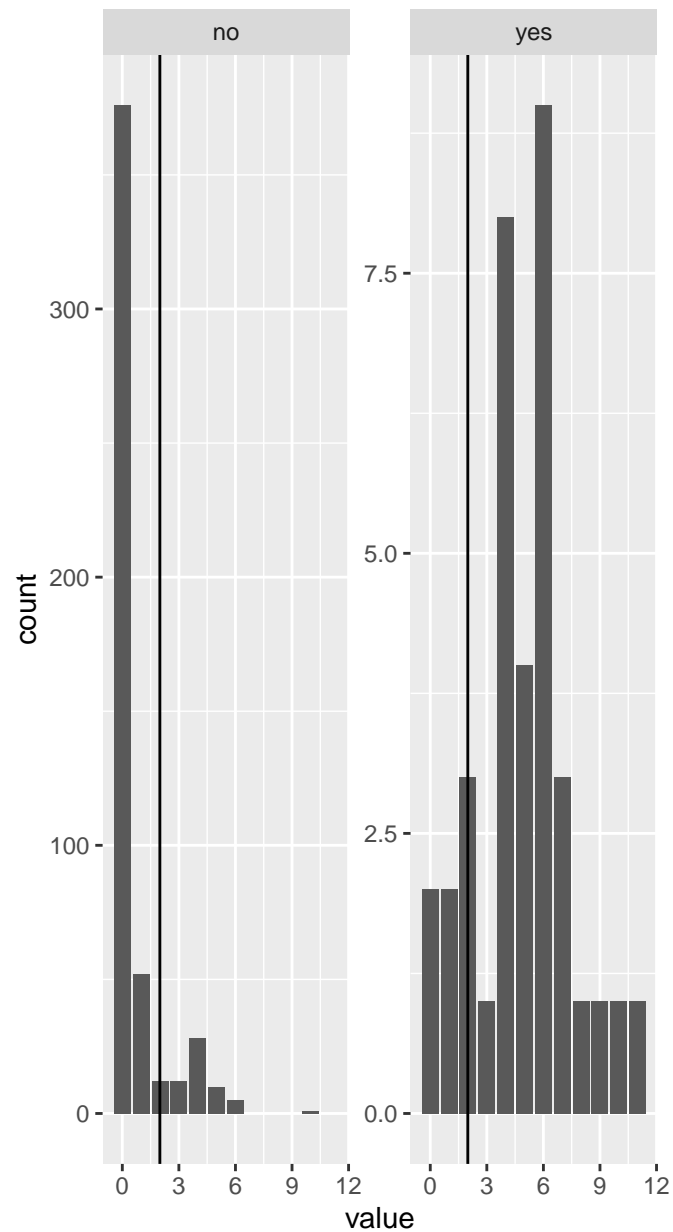
Subgroup female male

ROC curve  
by class



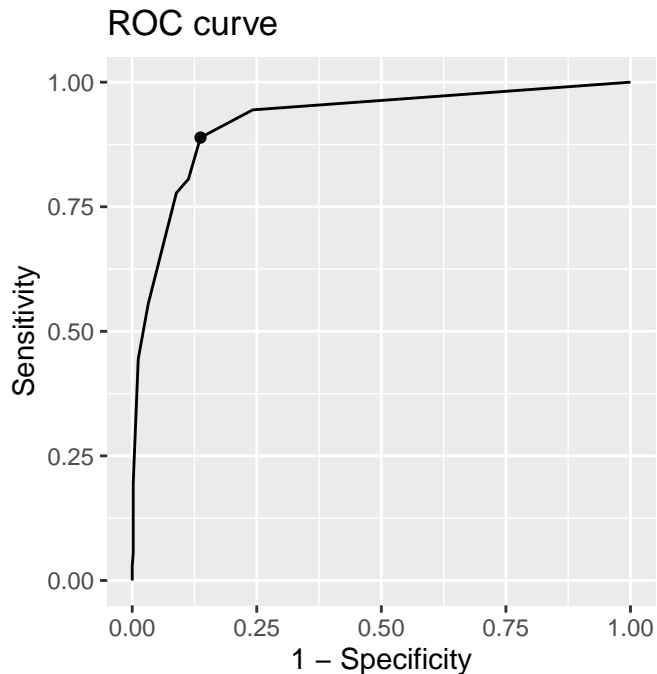
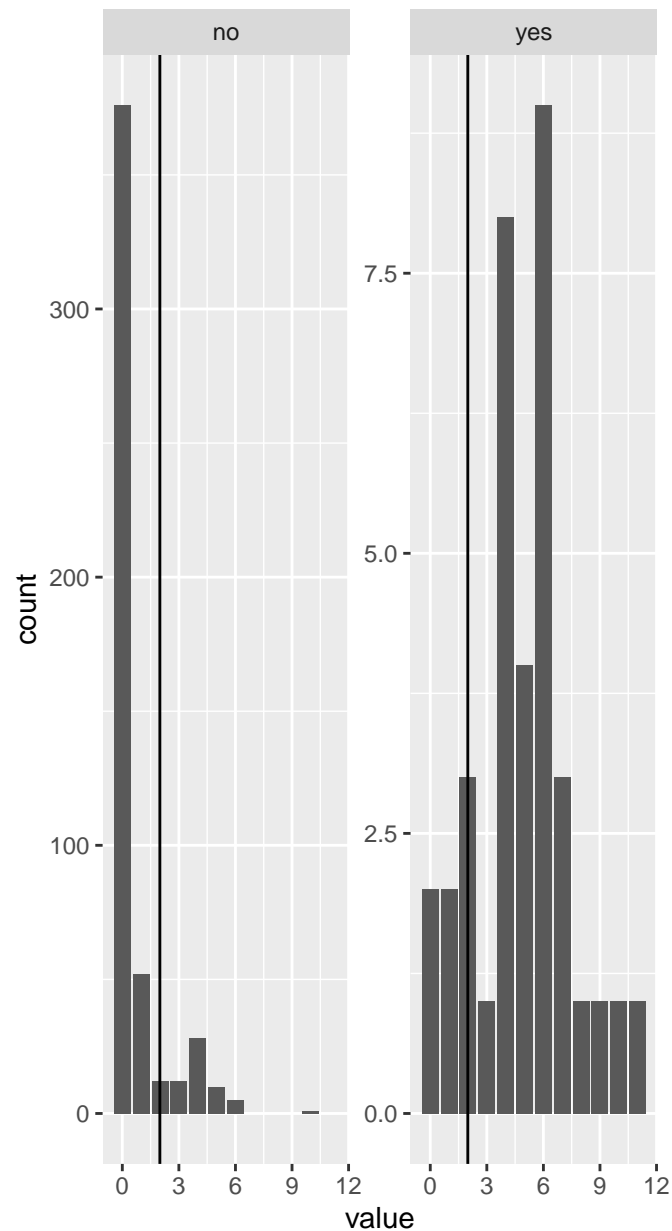
# Independent variable

optimal cutpoint and distribution by class



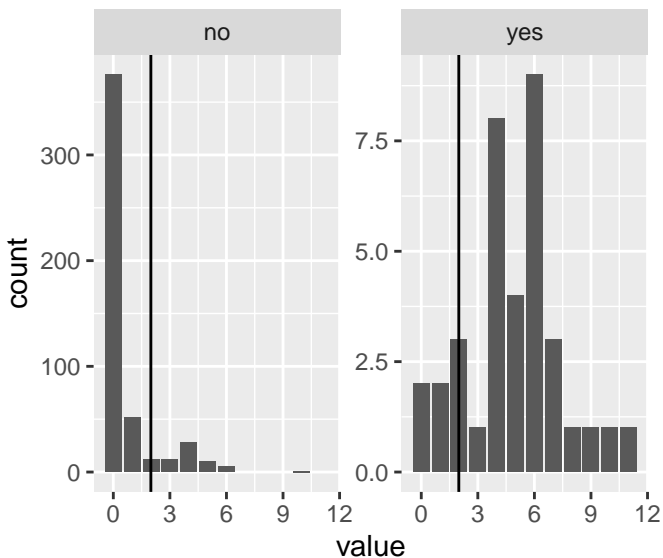
# Independent variable

optimal cutpoint and distribution by class

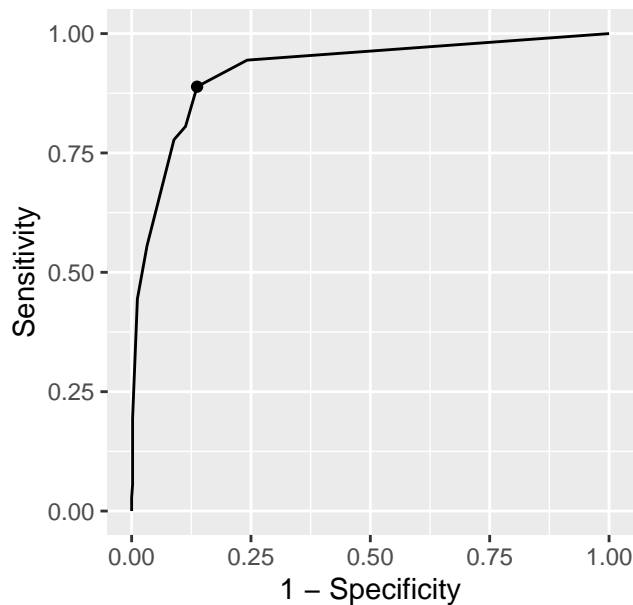


## Independent variable

optimal cutpoint and distribution by class

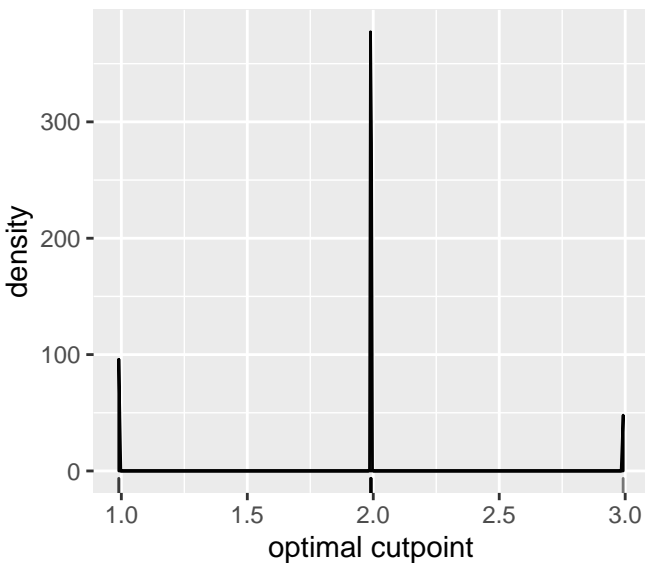


## ROC curve



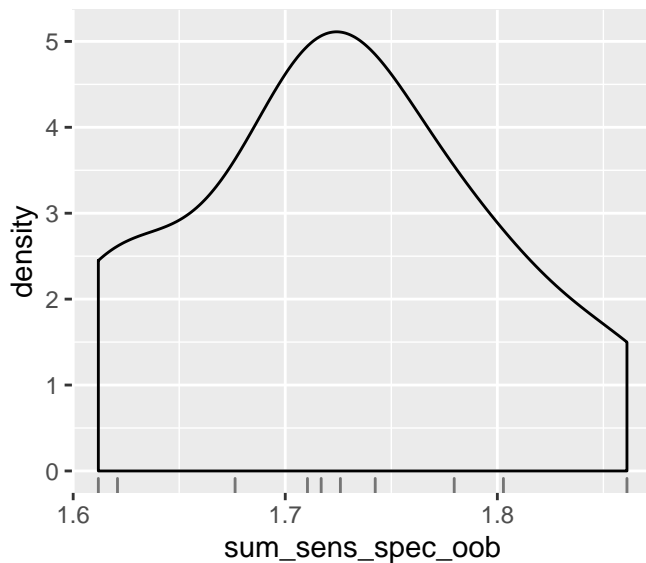
## Bootstrap

distribution of optimal cutpoints



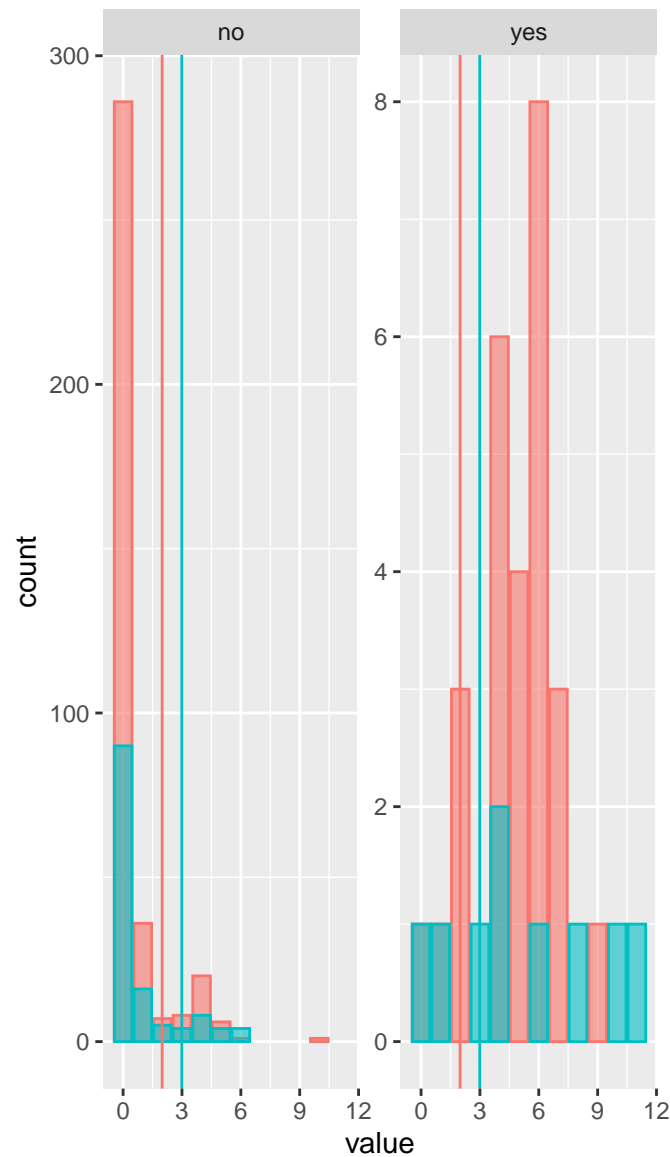
## Bootstrap

out-of-bag estimates



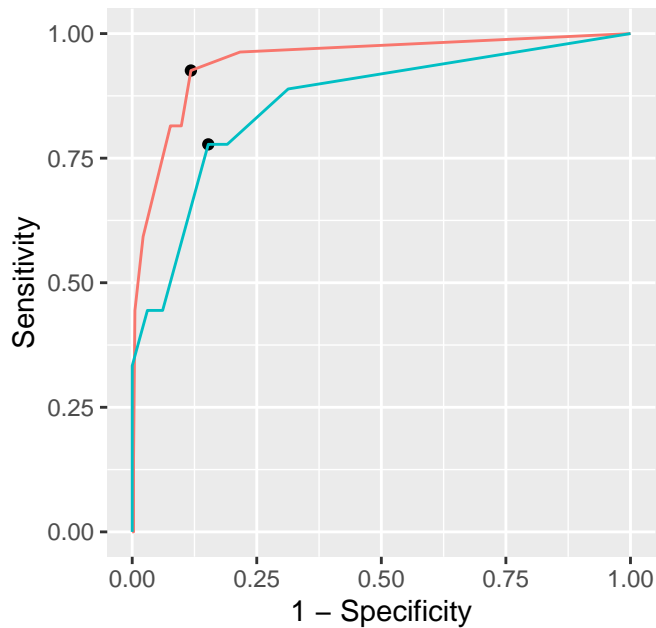
# Independent variable

optimal cutpoint and distribution by class



## ROC curve

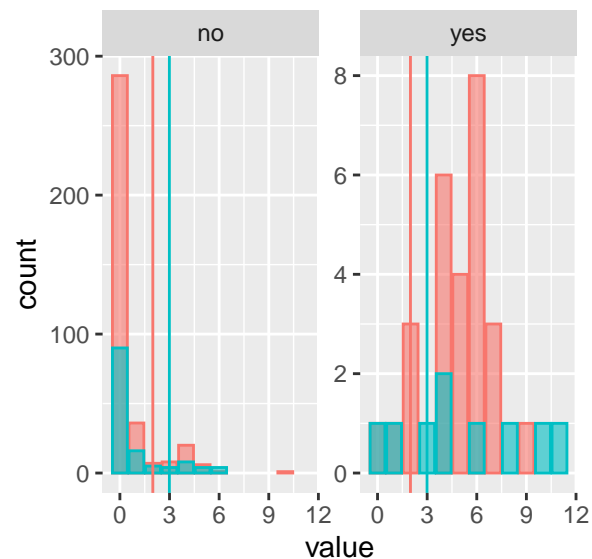
by class



Subgroup female male

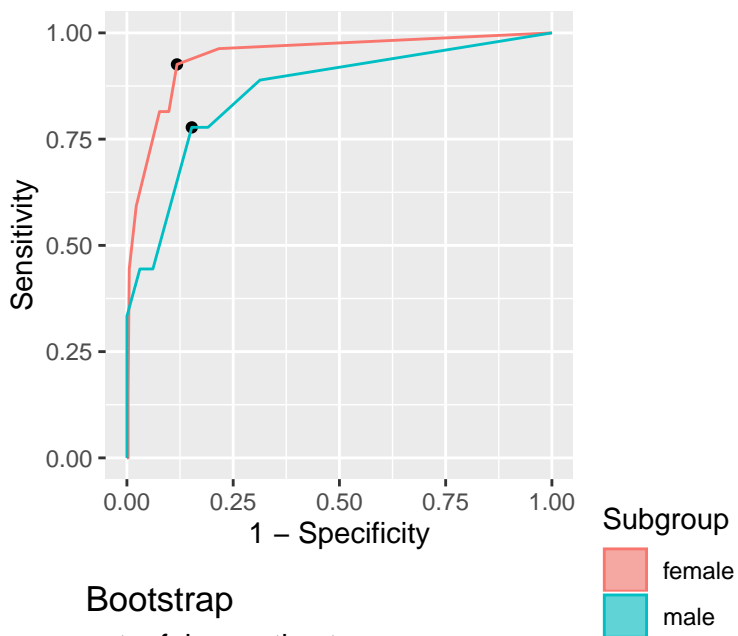
## Independent variable

optimal cutpoint and distribution by class



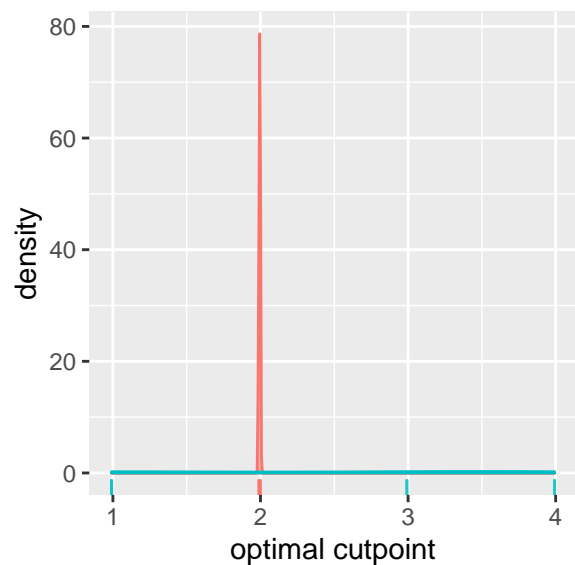
## ROC curve

by class



## Bootstrap

distribution of optimal cutpoints



## Bootstrap

out-of-bag estimates

