Allstate Kaggle

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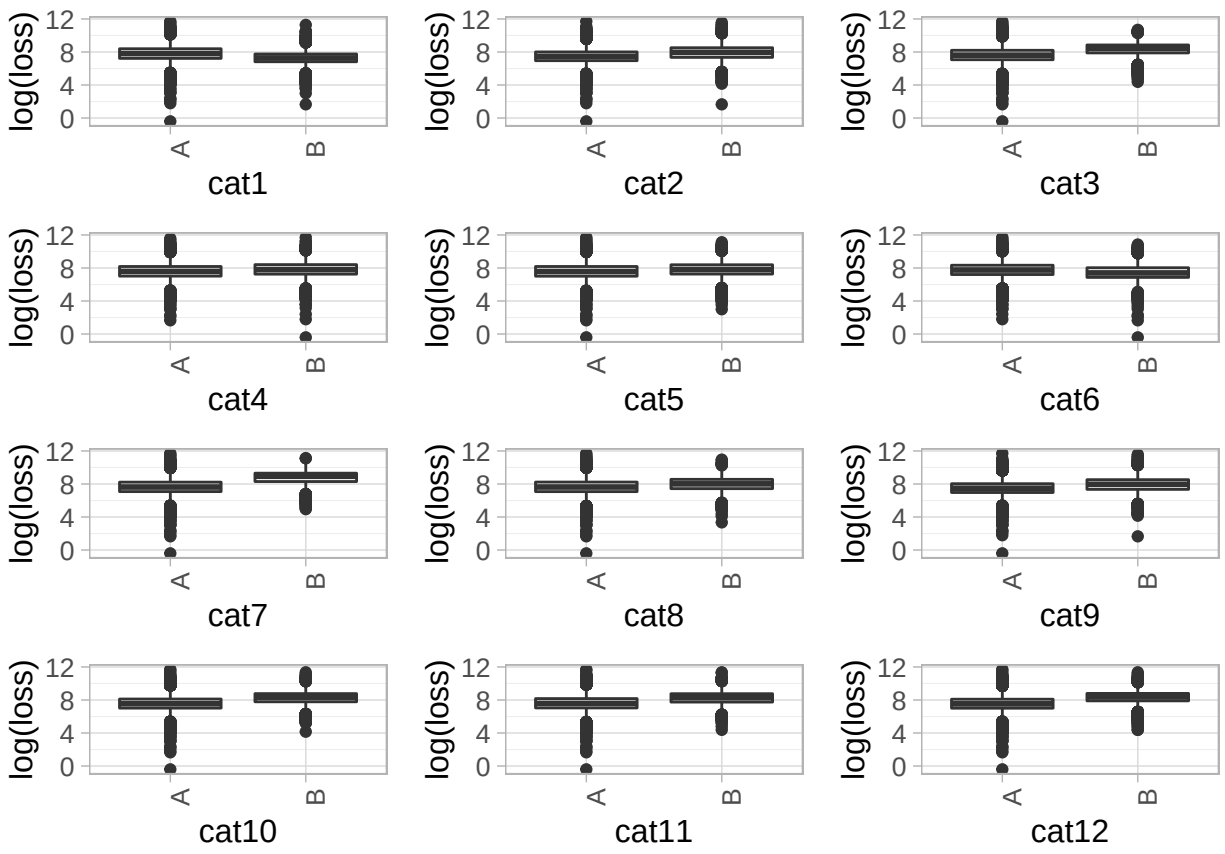
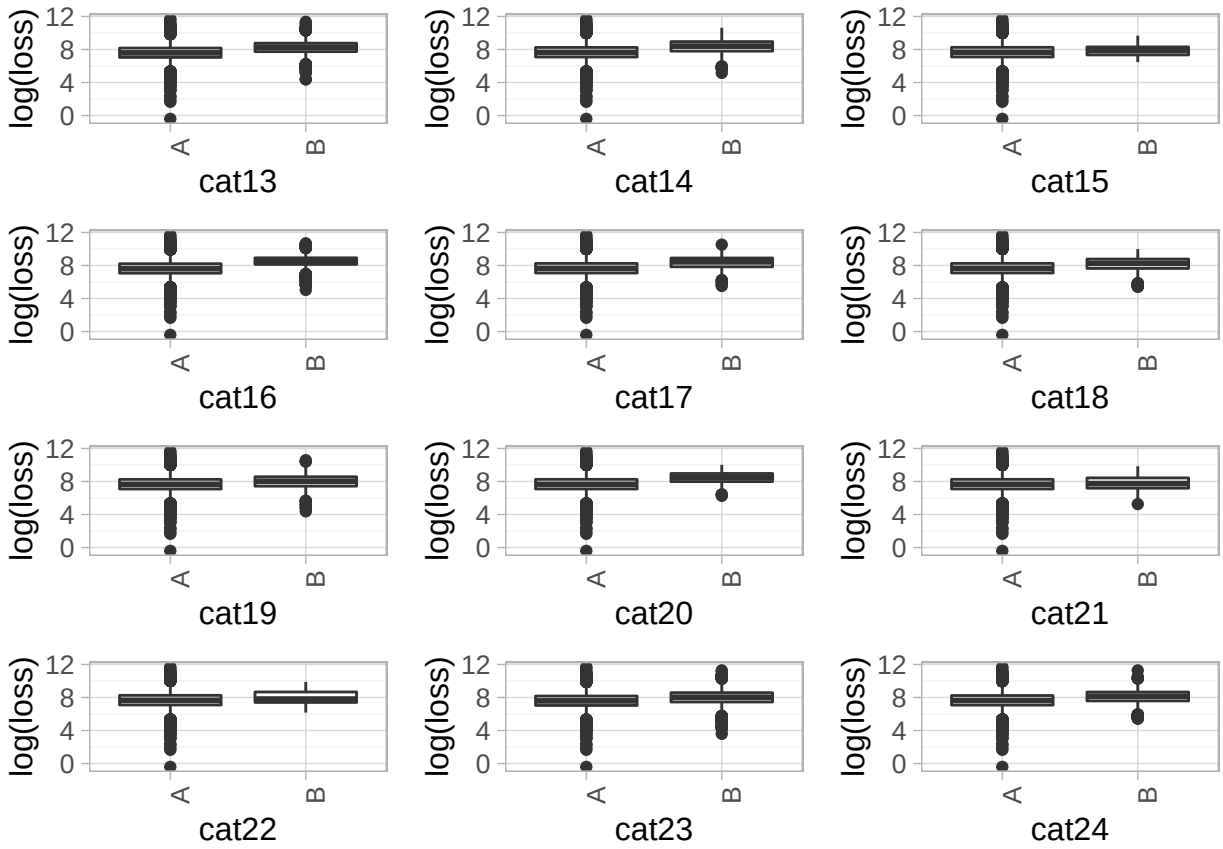
Categorical Plots

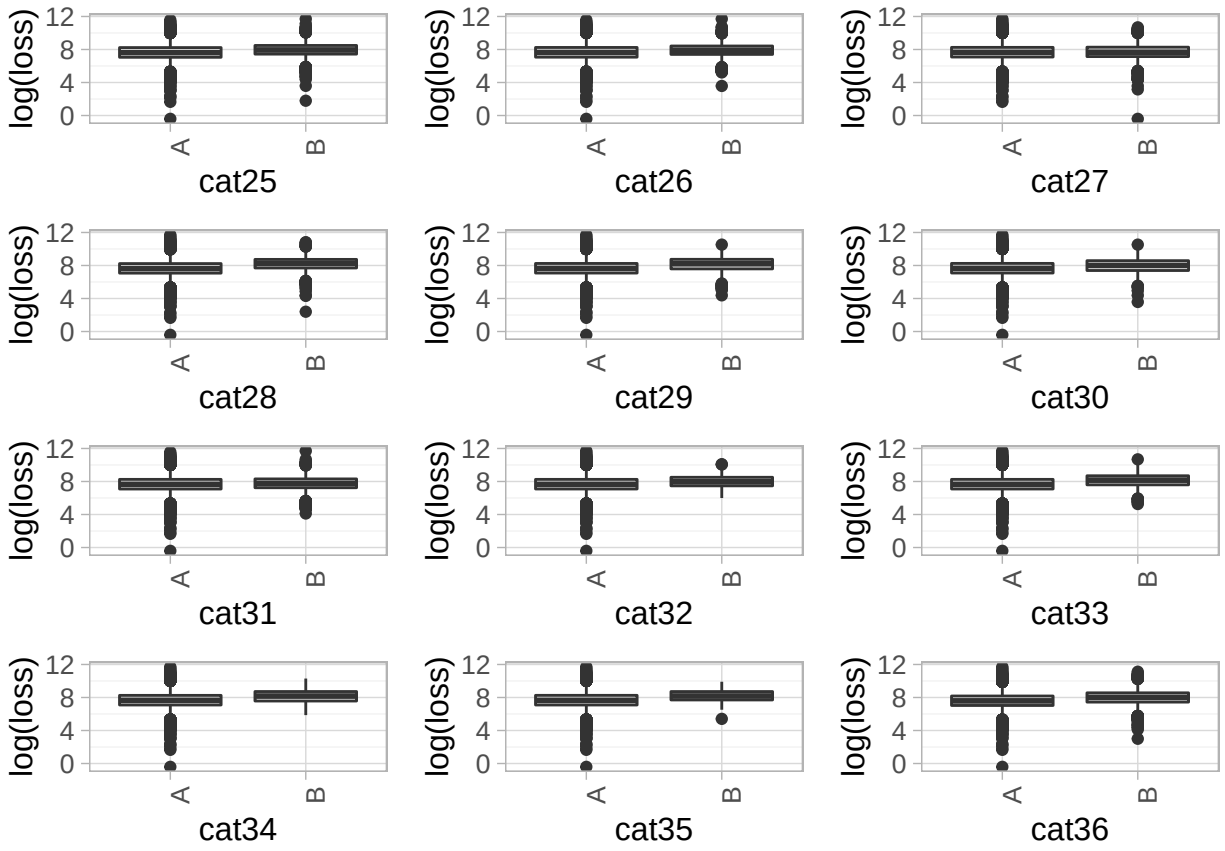
```
doPlots(train_cat, fun = plotBox, ii =1:12, lab=log(train$loss), ncol = 3)
```



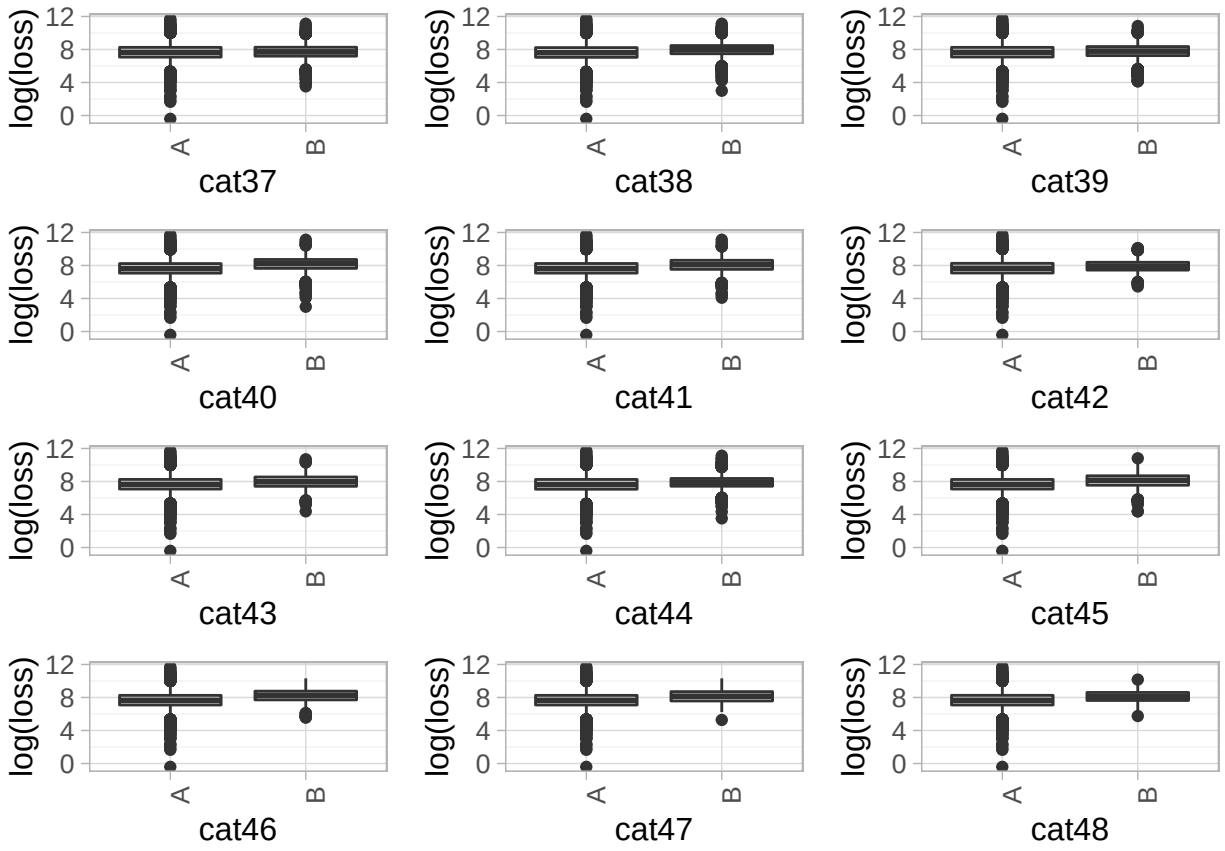

```
doPlots(train_cat, fun = plotBox, ii =13:24, lab=log(train$loss), ncol = 3)
```



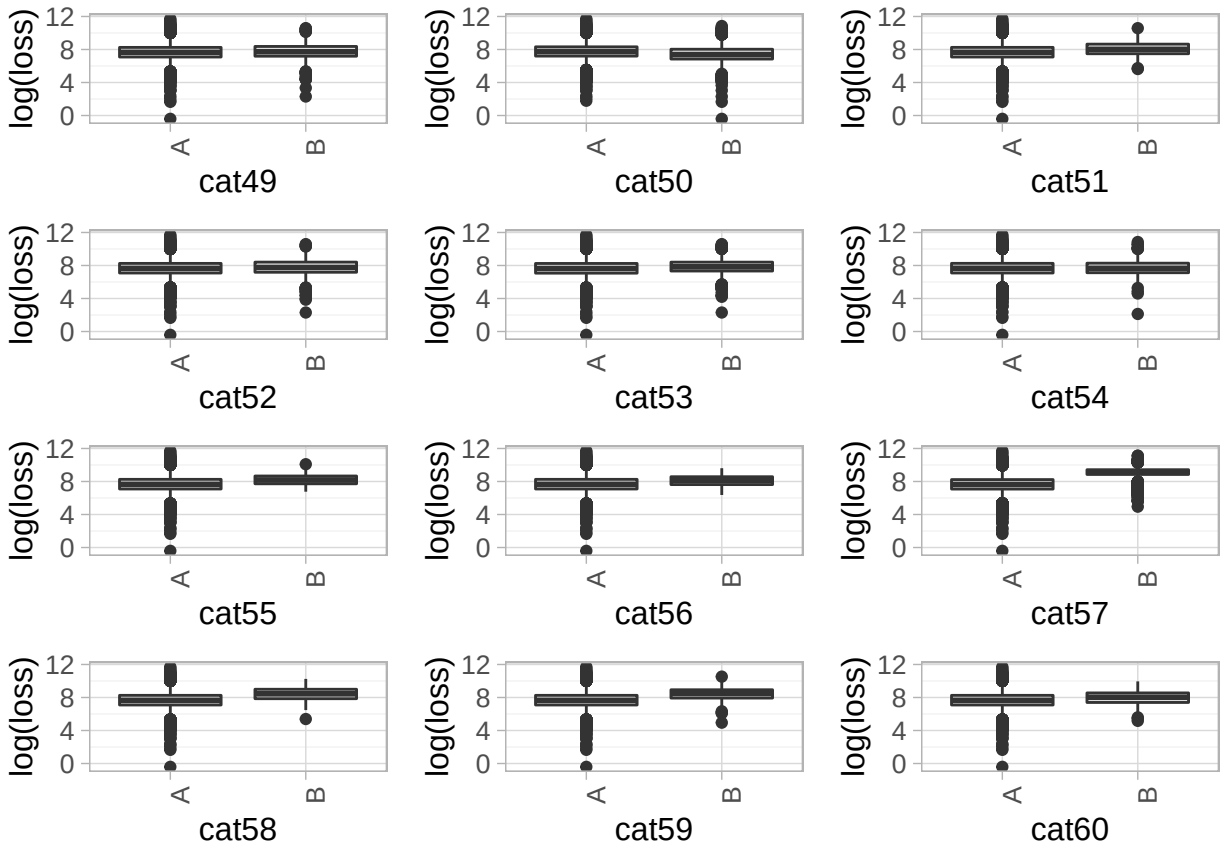

```
doPlots(train_cat, fun = plotBox, ii =25:36, lab=log(train$loss), ncol = 3)
```



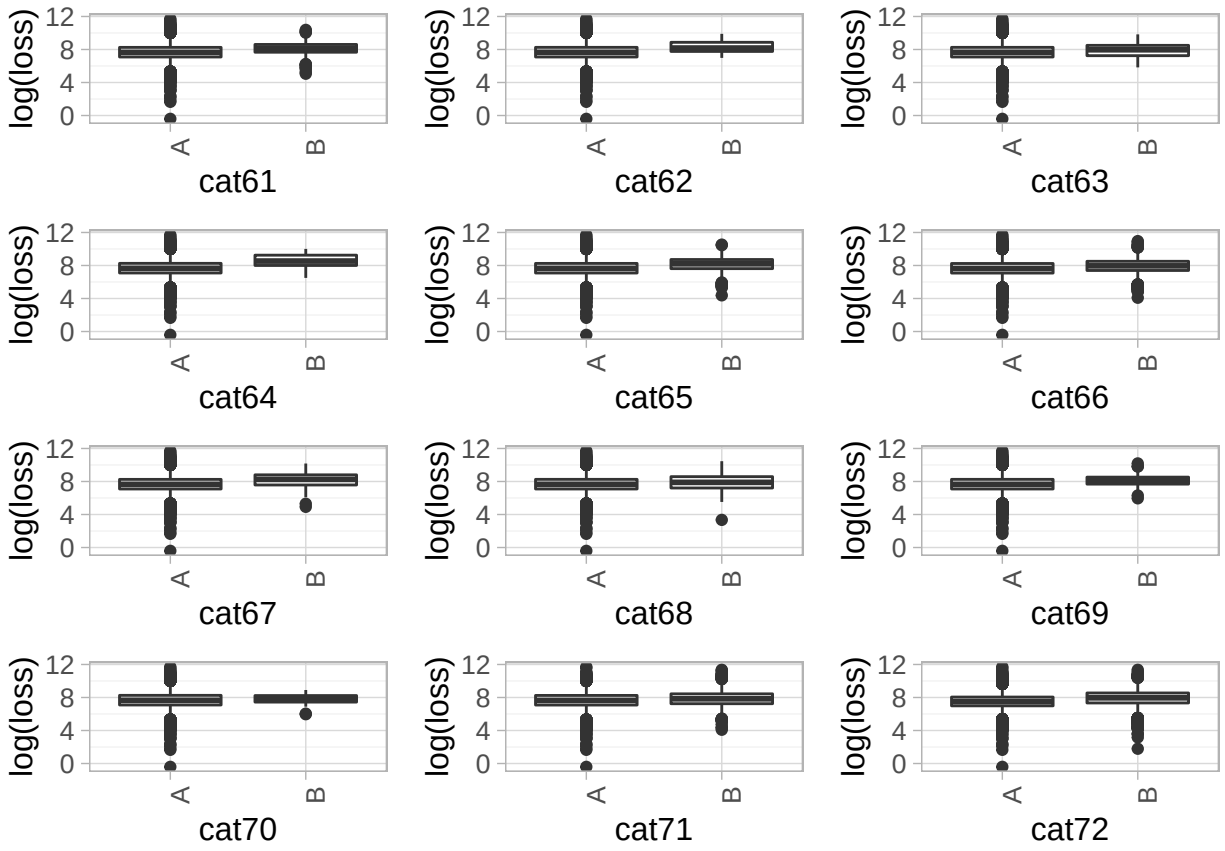

```
doPlots(train_cat, fun = plotBox, ii =37:48, lab=log(train$loss), ncol = 3)
```



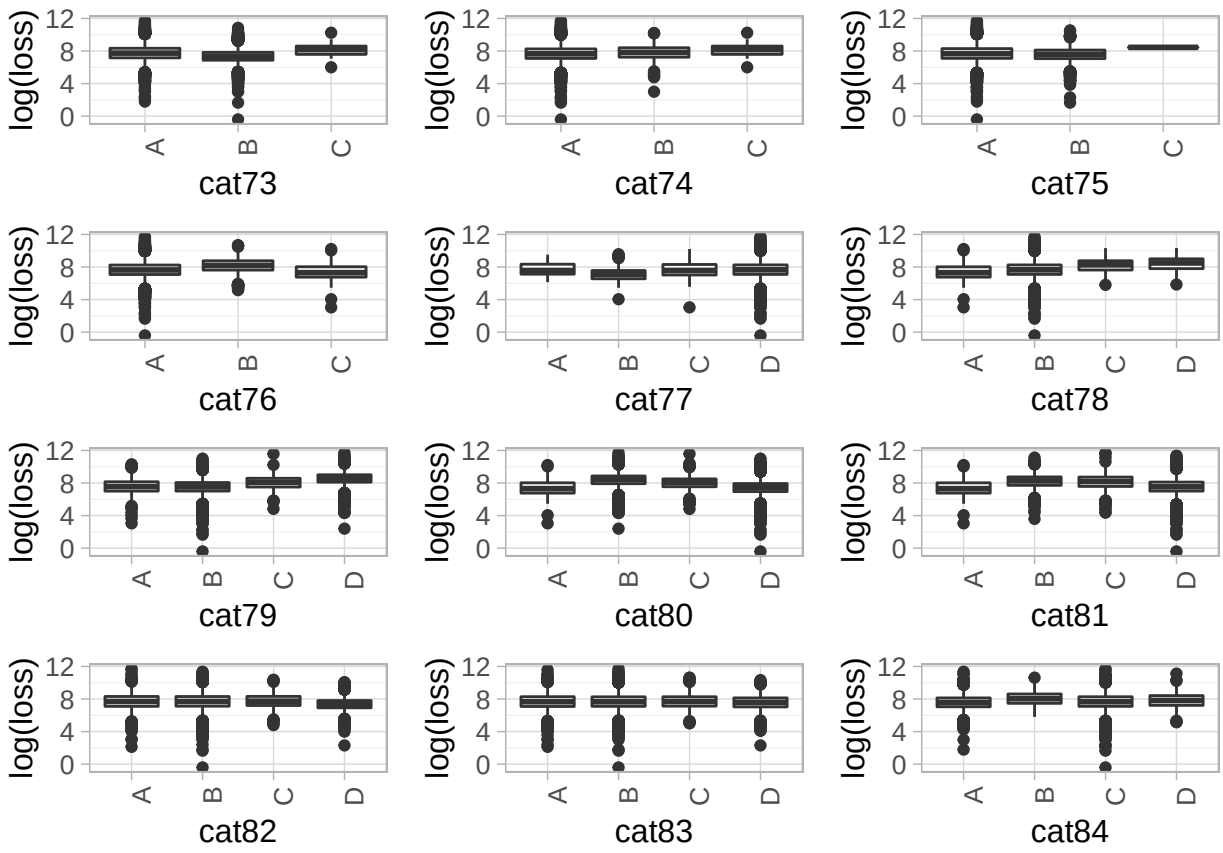

```
doPlots(train_cat, fun = plotBox, ii =49:60, lab=log(train$loss), ncol = 3)
```



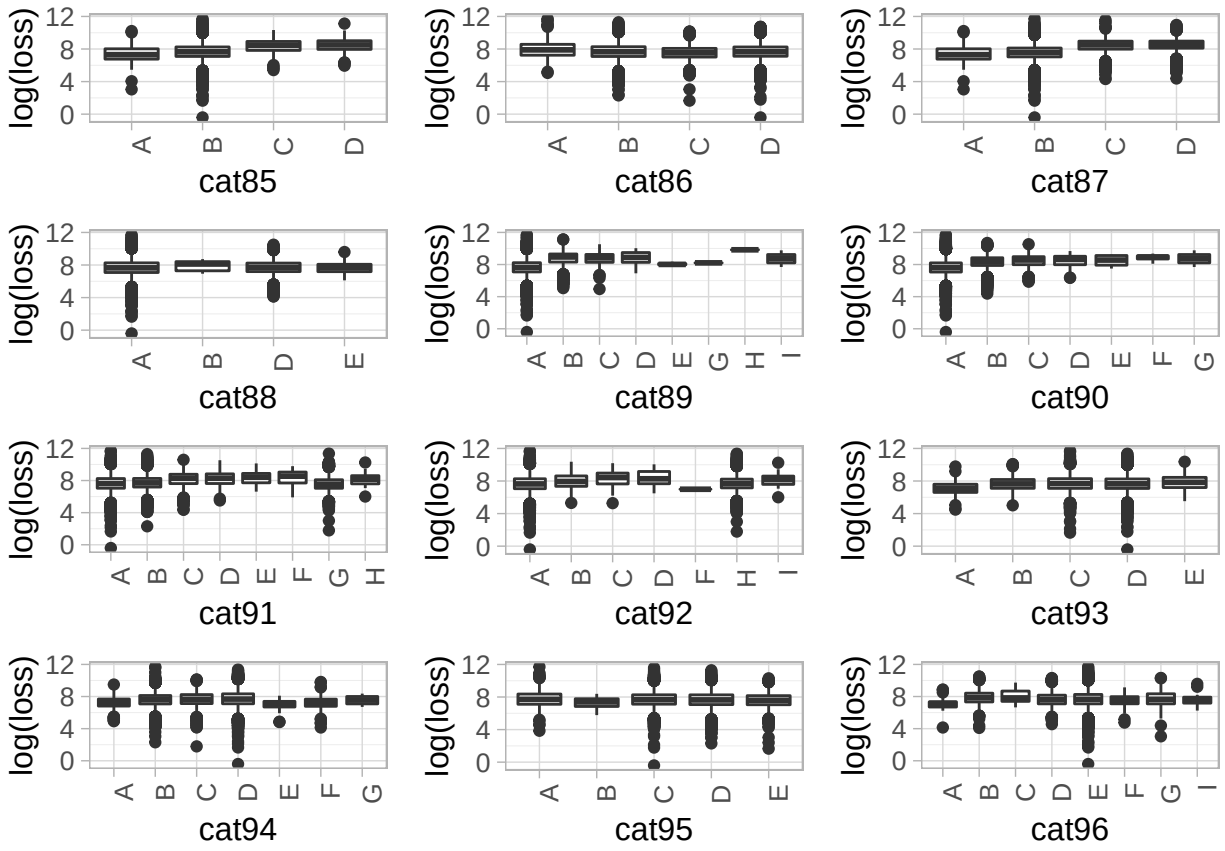

```
doPlots(train_cat, fun = plotBox, ii =61:72, lab=log(train$loss), ncol = 3)
```



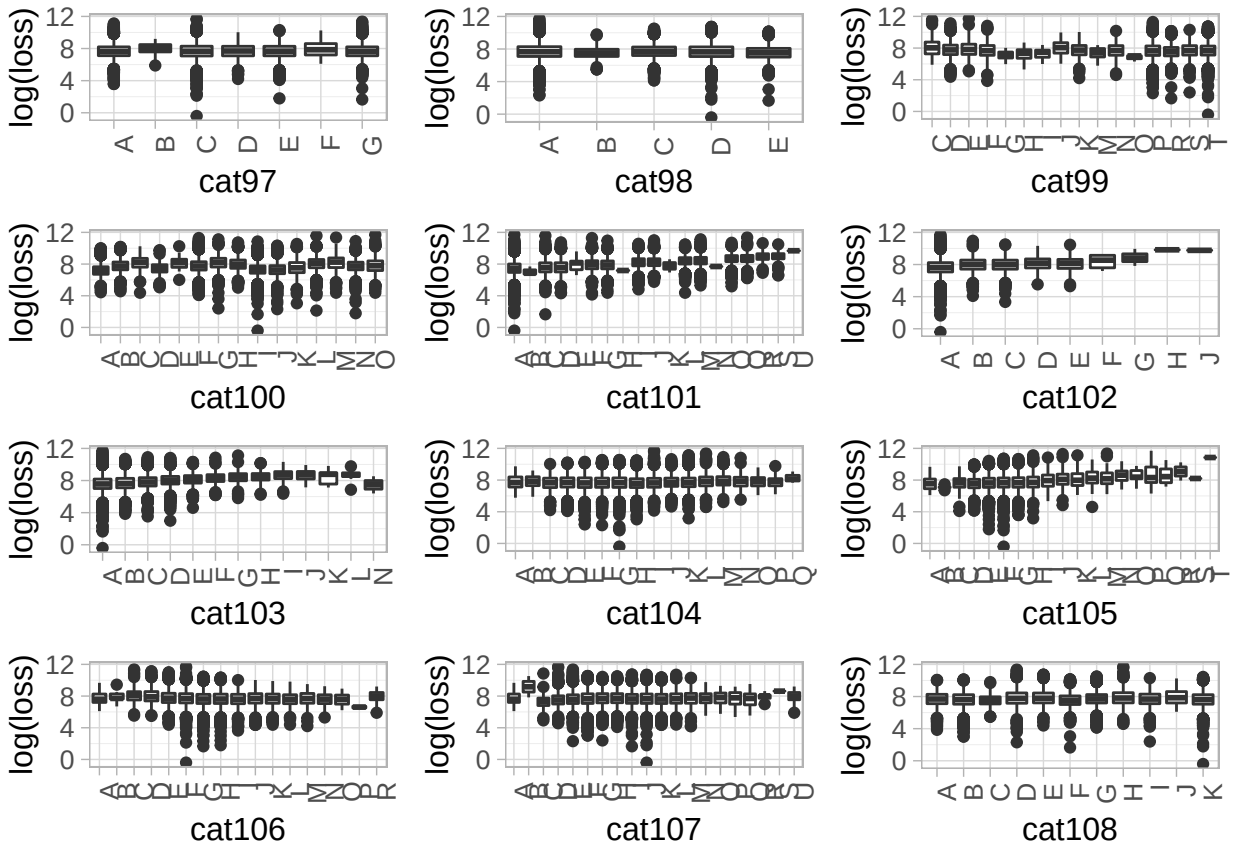

```
doPlots(train_cat, fun = plotBox, ii =73:84, lab=log(train$loss), ncol = 3)
```



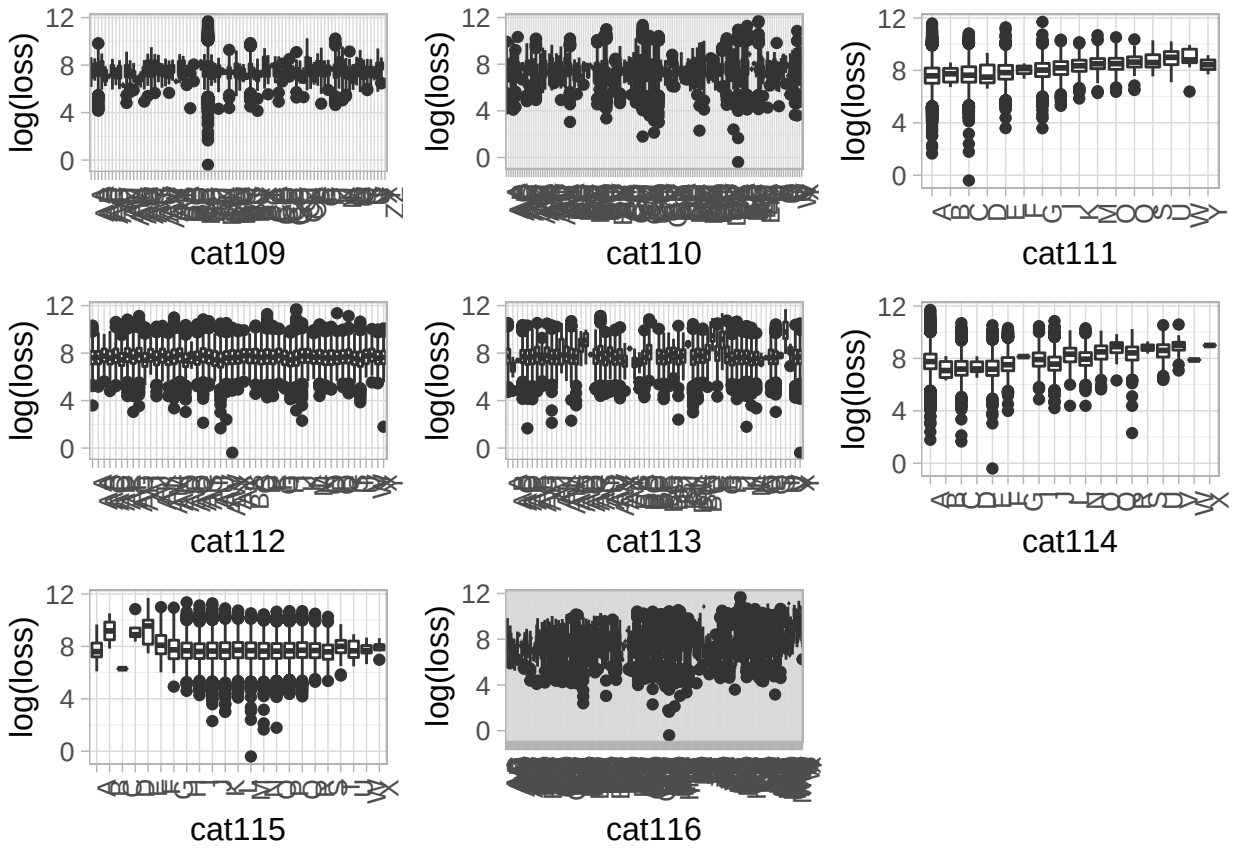

```
doPlots(train_cat, fun = plotBox, ii =85:96, lab=log(train$loss), ncol = 3)
```




```
doPlots(train_cat, fun = plotBox, ii =97:108, lab=log(train$loss), ncol = 3)
```

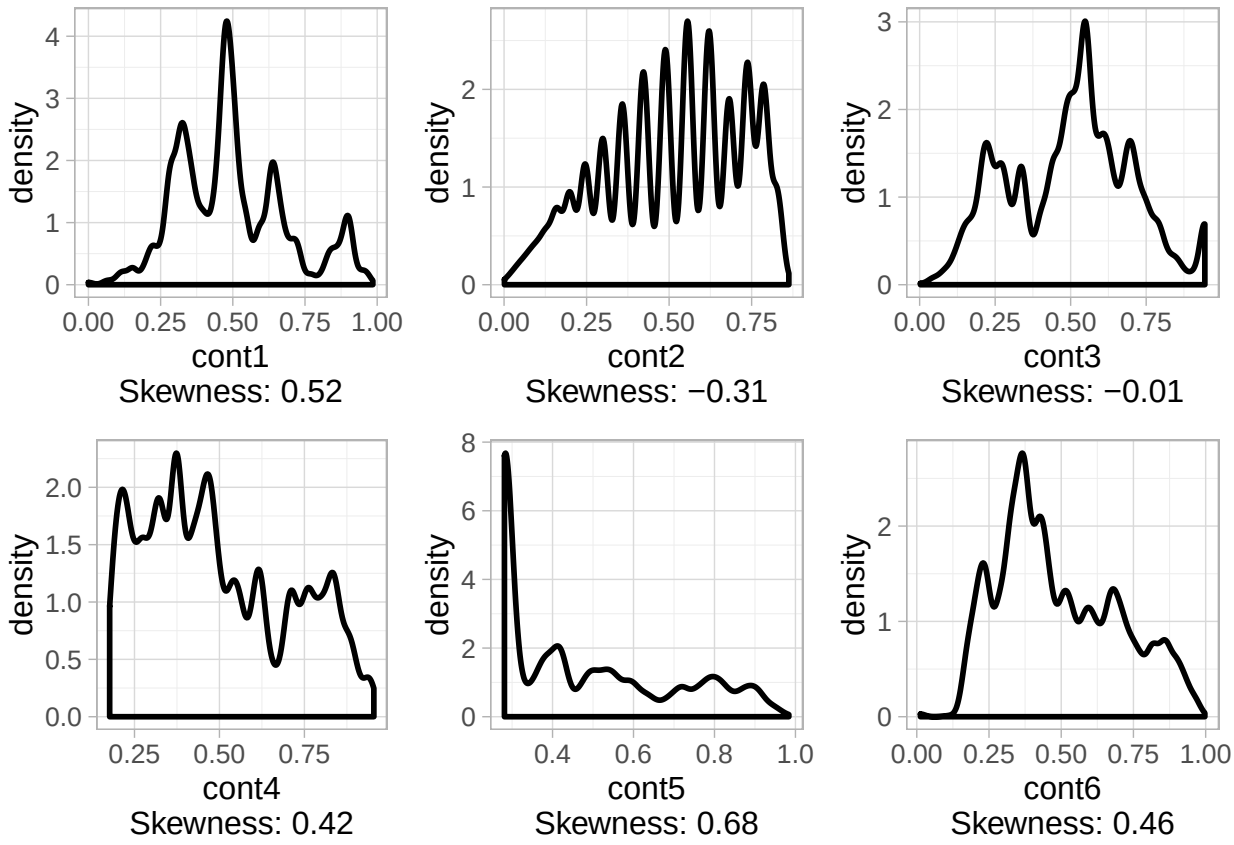



```
doPlots(train_cat, fun = plotBox, ii =109:116, lab=log(train$loss), ncol = 3)
```

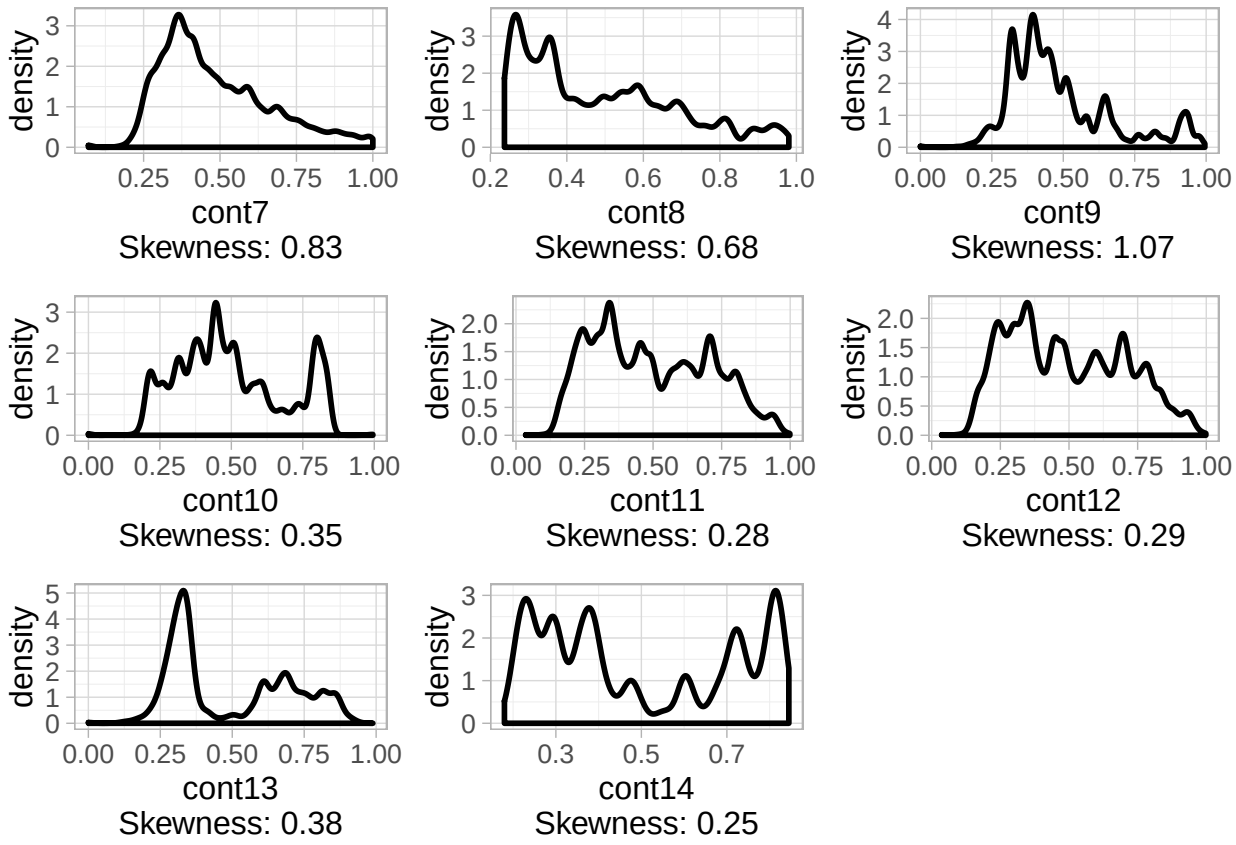


Density Plots

```
doPlots(train_num, fun = plotDen, ii =1:6, lab=log(train$loss), ncol = 3)
```

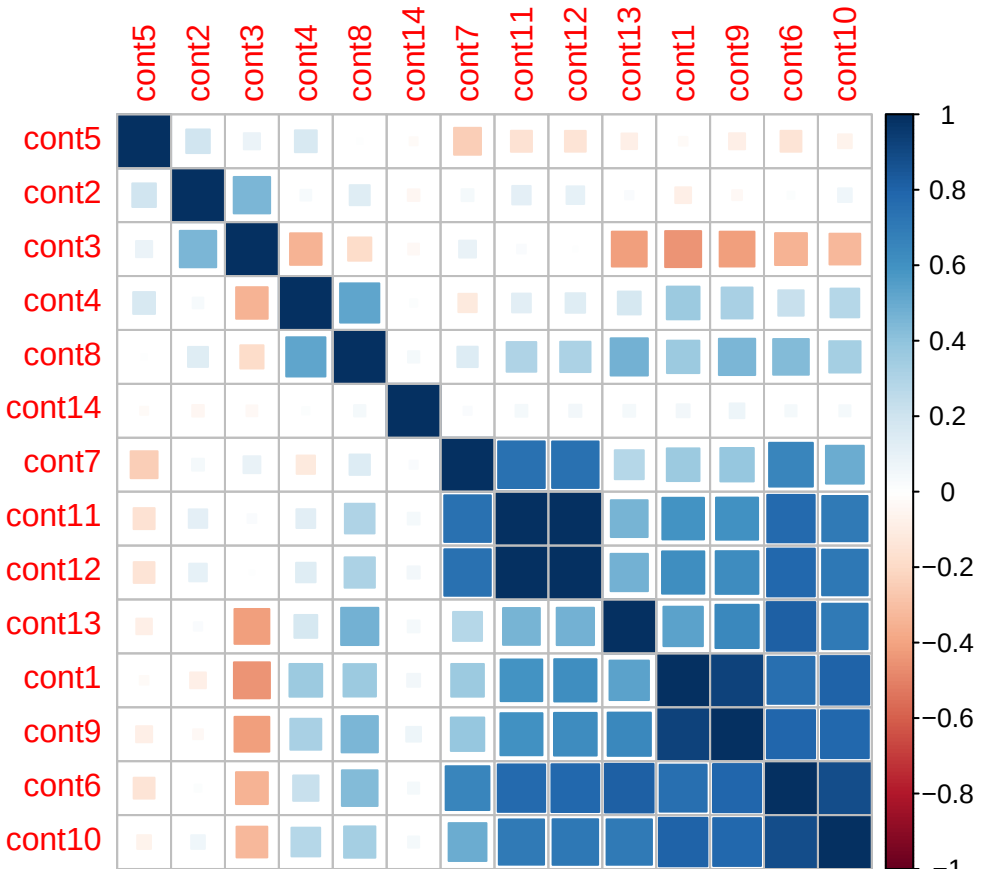



```
doPlots(train_num, fun = plotDen, ii =7:14, lab=log(train$loss), ncol = 3)
```



Correlations

```
correlations <- cor(train_num)
corrplot(correlations, method="square", order="hclust")
```


cont5
cont2
cont3
cont4
cont8
cont14
cont7
cont11
cont12
cont13
cont1
cont9
cont6
cont10
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8