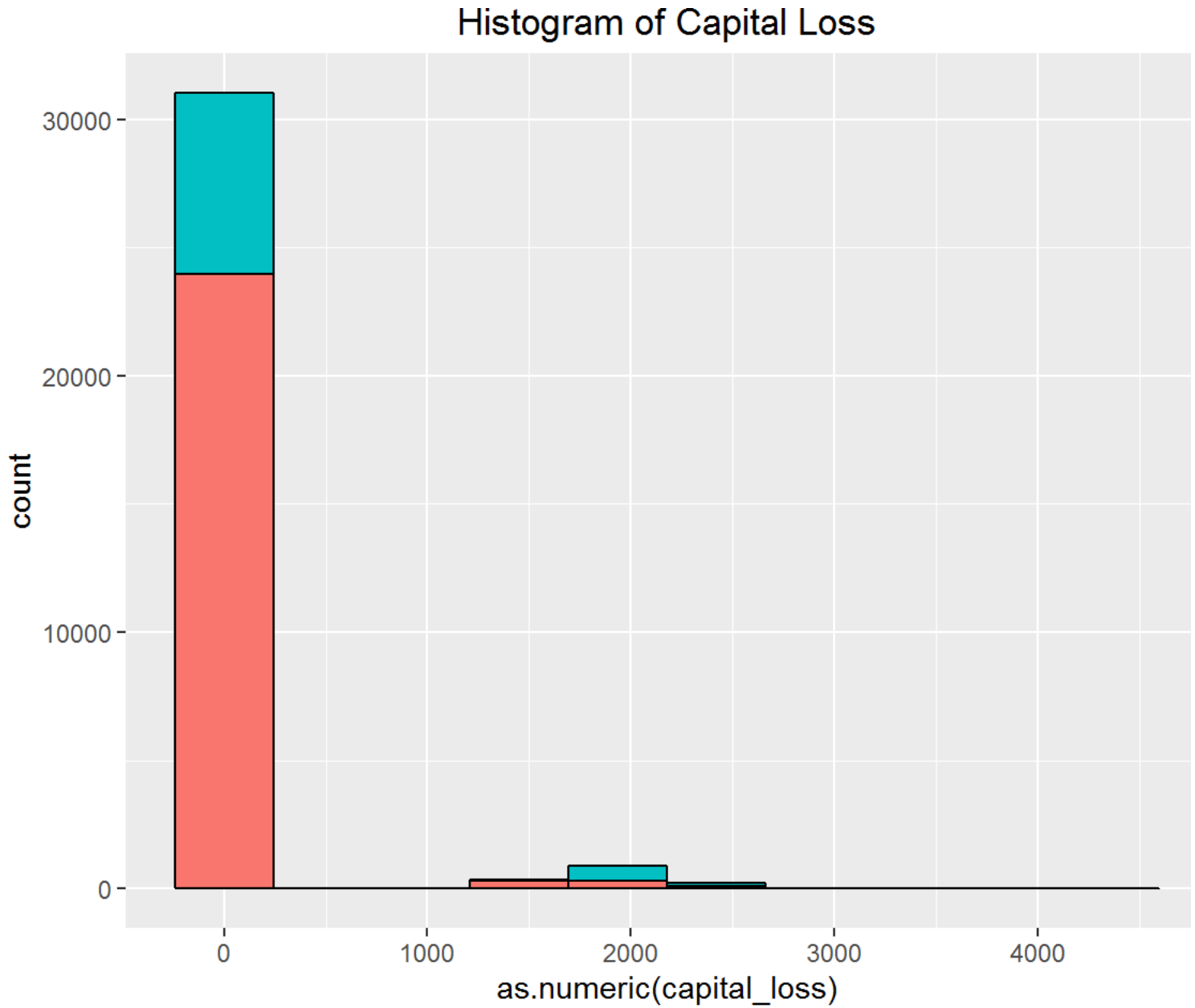
```r
#Adult Data set Assignment 7
library(arules)
library(ggplot2)
data(Adult) # some reason loading Adult data from this library did not return
# data frame
df =table(Adult)
df <- read.table('https://archive.ics.uci.edu/ml/machine-learning-databases/adult/adult.data',
                     sep = ',', fill = F, strip.white = T)
colnames(df) <- c('age', 'workclass', 'fnlwgt', 'educatoin',
                      'educatoin_num', 'marital_status', 'occupation', 'relationship', 'race', 'sex'
                      'capital_gain', 'capital_loss', 'hours_per_week', 'native_country', 'income')
ggplot(df) + aes(x=as.numeric(age), group=income, fill=income) +
  geom_histogram(binwidth=1, color='black')
# histogram of age by gender group
ggplot(df) + aes(x=as.numeric(age), group=sex, fill=sex) +
  geom_histogram(binwidth=1, color='black')
#histogram of capital_loss
ggplot(df) + aes(x=as.numeric(capital_loss), group= United-States,fill = native_country) +
  geom_histogram(bins=10, color='black') + ggtitle('Histogram of Capital Loss')

```


Histogram of Capital Loss
30000
20000
10000
0
count
0
1000
2000
3000
4000
as.numeric(capital_loss)