```
#设置工作路径
 setwd('E:\\DataMining\\关联规则')

 #加载算法库
 library("Matrix")
 library("arules")

 #读取数据，以 Basket 方式

tr<-read.transactions("traindata.csv",format="basket",sep=",",rm.duplicates
=TRUE)

 #获得频繁项集
 frequentsets=eclat(tr,parameter=list(support=0.05,maxlen=4))
 summary(frequentsets)
 inspect(frequentsets)
 #查看支持度最高的前 20 个频繁项集
 inspect(sort(frequentsets,by="support")[1:20])

 #抽取关联规则
 rules = apriori(tr,parameter = list(support = 0.2,confidence = 0.5))
   summary(rules)
   inspect(rules)

 #筛选右变元为幸存的规则子集
```

```
x=subset(rules,subset=rhs%in%"Survive")
x
inspect(x)

#筛选右变元为死亡的规则子集
x=subset(rules,subset=rhs%in%"Dead")
  x
  inspect(x)

#根据支持度对求得的关联规则子集排序并察看
inspect(sort(x,by="support")[1:10])

#根据置信度对求得的关联规则子集排序并察看
inspect(sort(x,by="confidence")[1:10])

#根据 lift 对求得的关联规则子集排序并察看
inspect(sort(x,by="lift")[1:10])
itemFrequencyPlot(tr,support = 0.05,cex.names =0.8)
```