

R script:

```
library(httr)
```

```
library(plyr)
```

```
library(plyr)
```

```
library(arulesViz)
```

```
library(arules)
```

```
df=read.csv('E:/Skills Courses/statistics for data science/Titanic.raw.csv')
```

```
table(df)
```

```
df=as.data.frame(df)
```

```
head(df)
```

```
df$Class=as.factor(df$Class)
```

```
df$Sex=as.factor(df$Sex)
```

```
df$Age=as.factor(df$Age)
```

```
df$Survived=as.factor(df$Survived)
```

```
rule = apriori(df, parameter = list(minlen=2, sup = 0.001, conf = 0.1))
```

```
sort.rule = sort(rule, by='lift')
```

```
inspect(sort.rule)
```

```
summary(sort.rule)
```

```
plot(head(sort.rule), method = 'graph')
```

```
plot(sort.rule, method = 'paracoord')
```

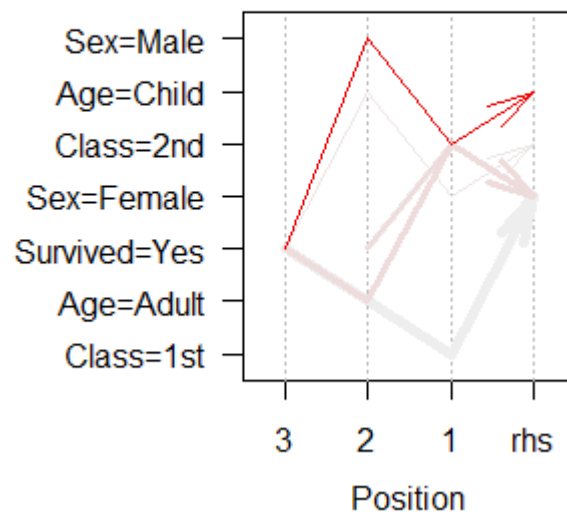
```
plot(sort.rule, method = 'scatter')
```

Graph



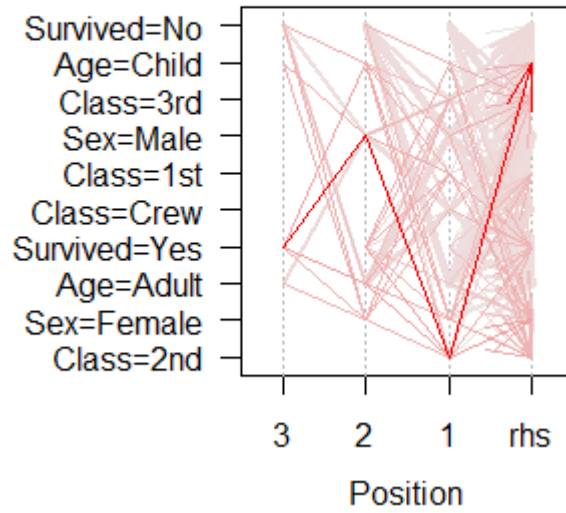
Head of paracoord

Parallel coordinates plot for 6 rules



Paracoord

Parallel coordinates plot for 262 rules



Scatter

