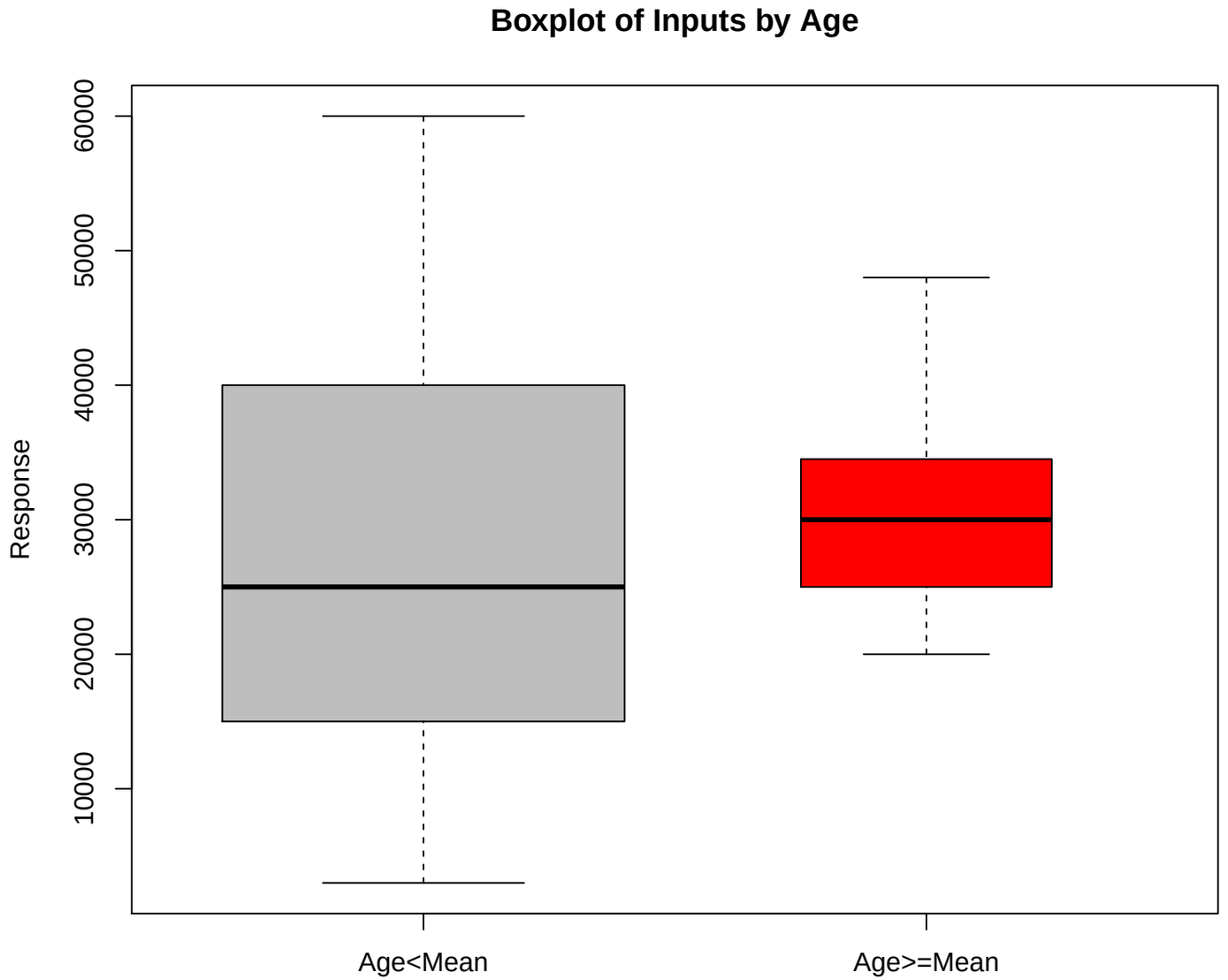
The class performance

Contents

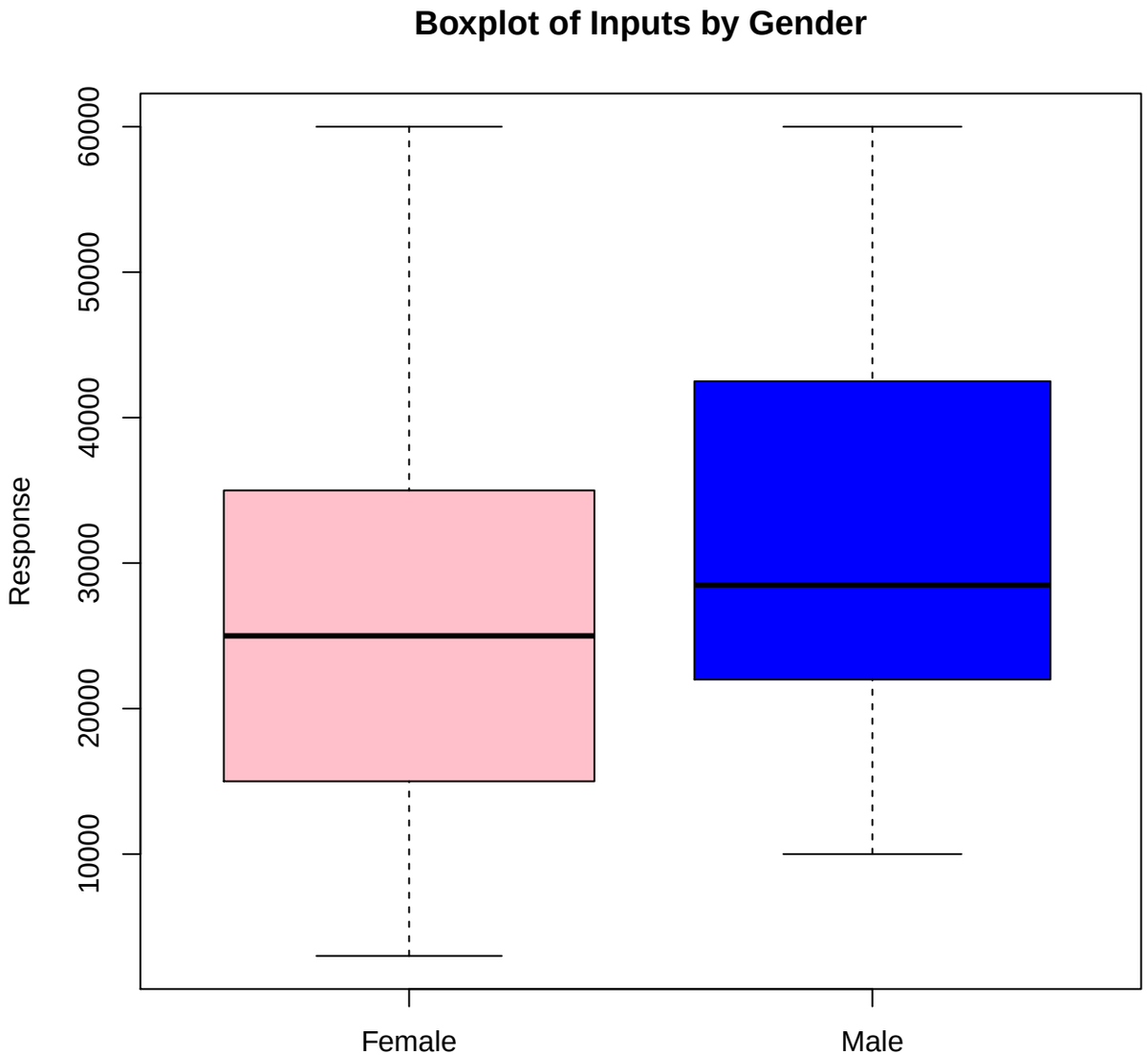
```
## Loading required package:  methods
```

1 Box Plot by Age

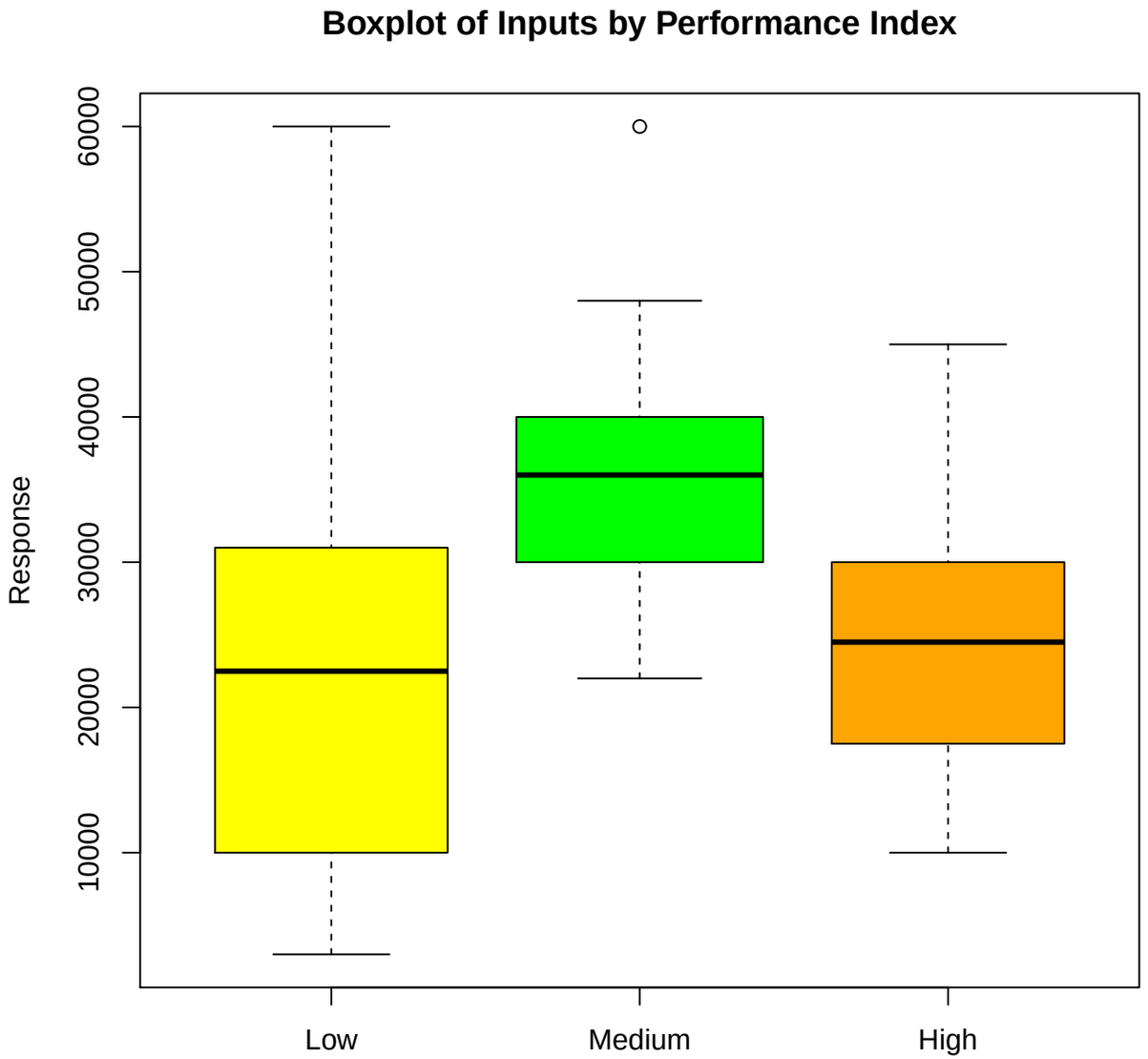
```
boxplot(dataset$Input ~ as.factor(dataset$Age), col = c("gray", "red"), names = c("Age<Mean",
    "Age>=Mean"), varwidth = TRUE, main = "Boxplot of Inputs by Age", xlab = "",
    ylab = "Response")
```


Boxplot of Inputs by Age
Response
60000
50000
40000
30000
20000
10000
Age<Mean
Age>=Mean

2 Box Plot by Gender

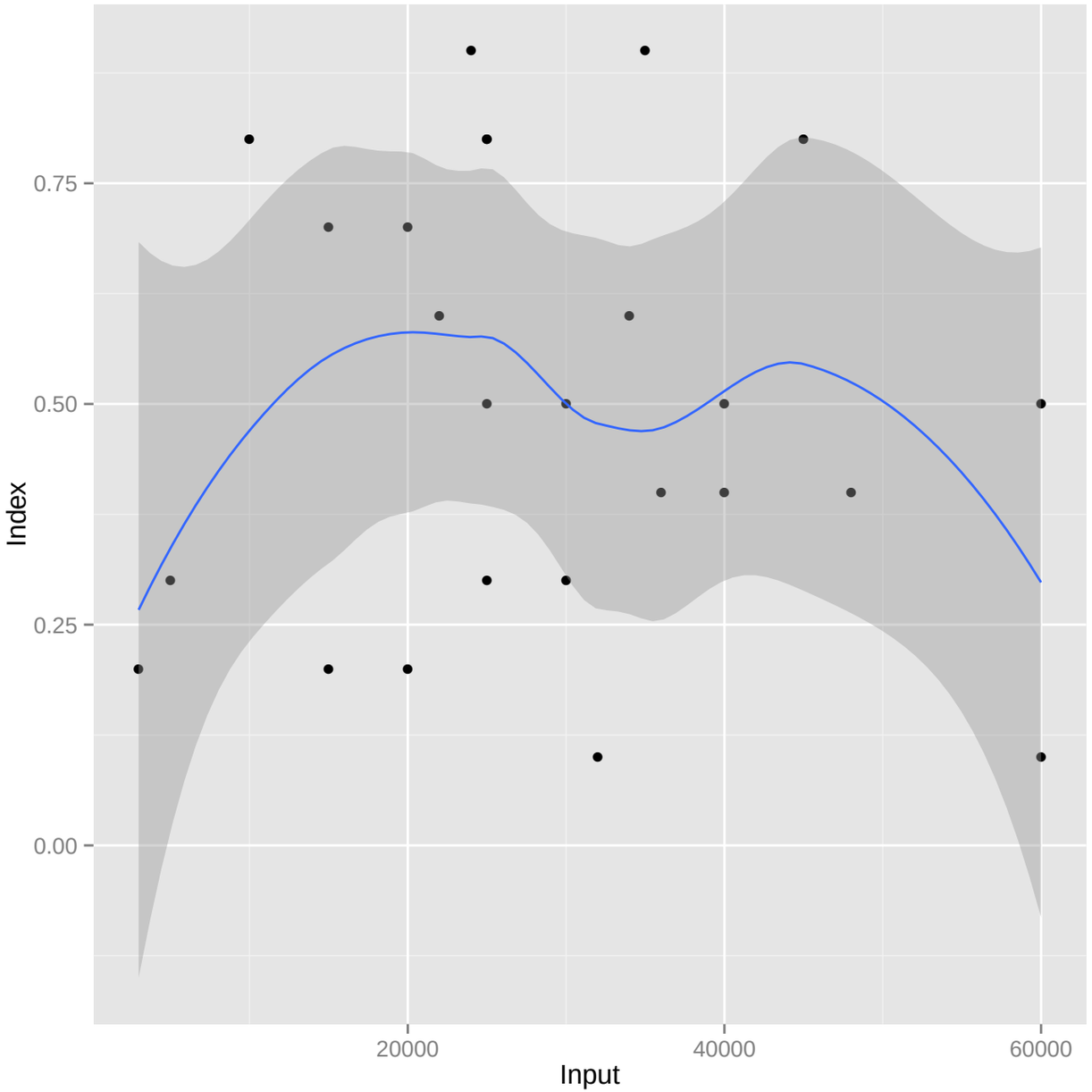


3 Box Plot by Performance Index



4 Input/Index plot

```
## geom_smooth:  method="auto" and size of largest group is <1000, so using loess.  Use 'method = x' to change the smoothing method.
## Warning:  Removed 8 rows containing missing values (stat_smooth).
## Warning:  Removed 8 rows containing missing values (geom_point).
```


0.75
0.50
0.25
0.00
Index
20000
40000
60000
Input

5 Heatmap

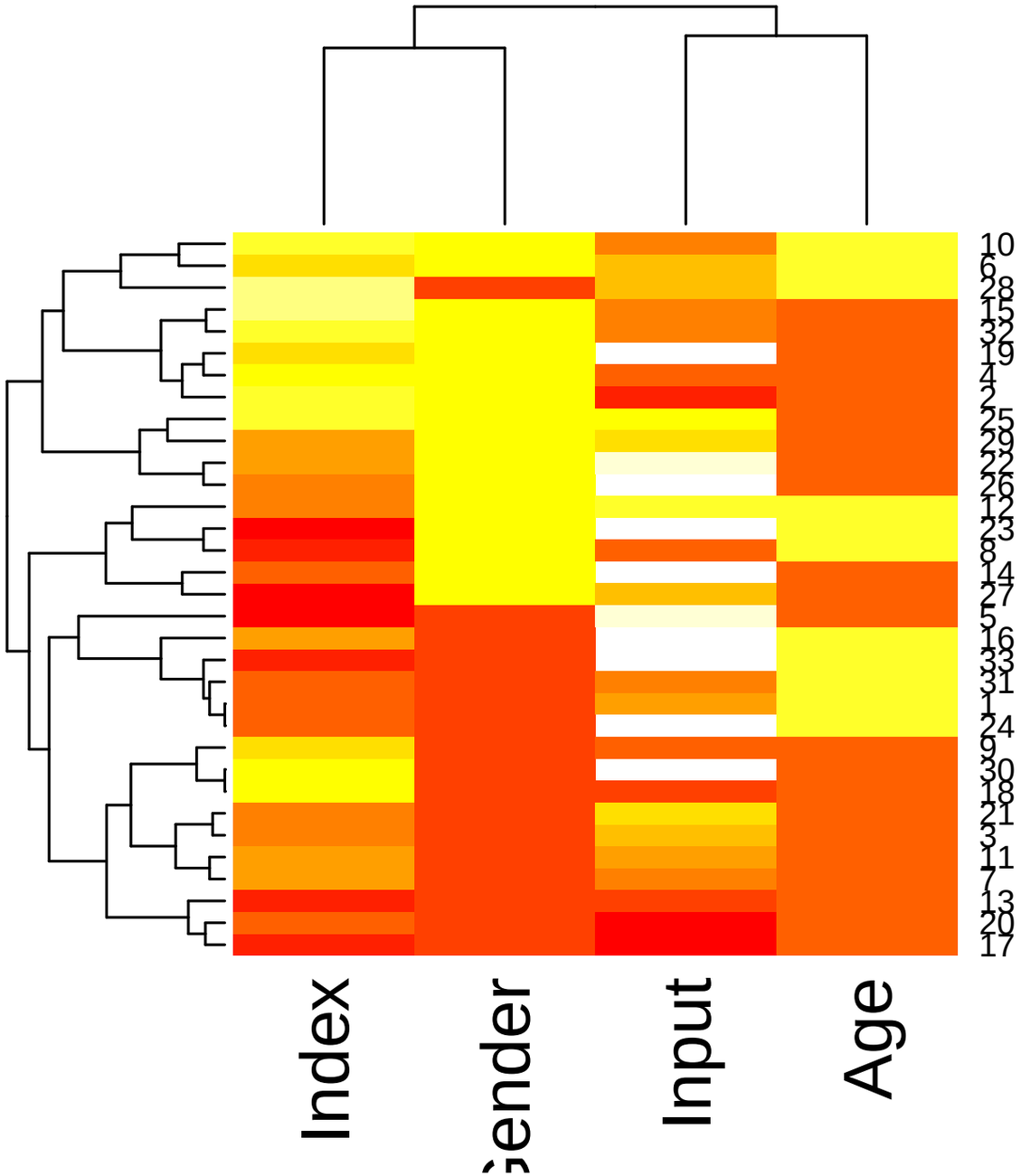


Figure 1: Heatmap

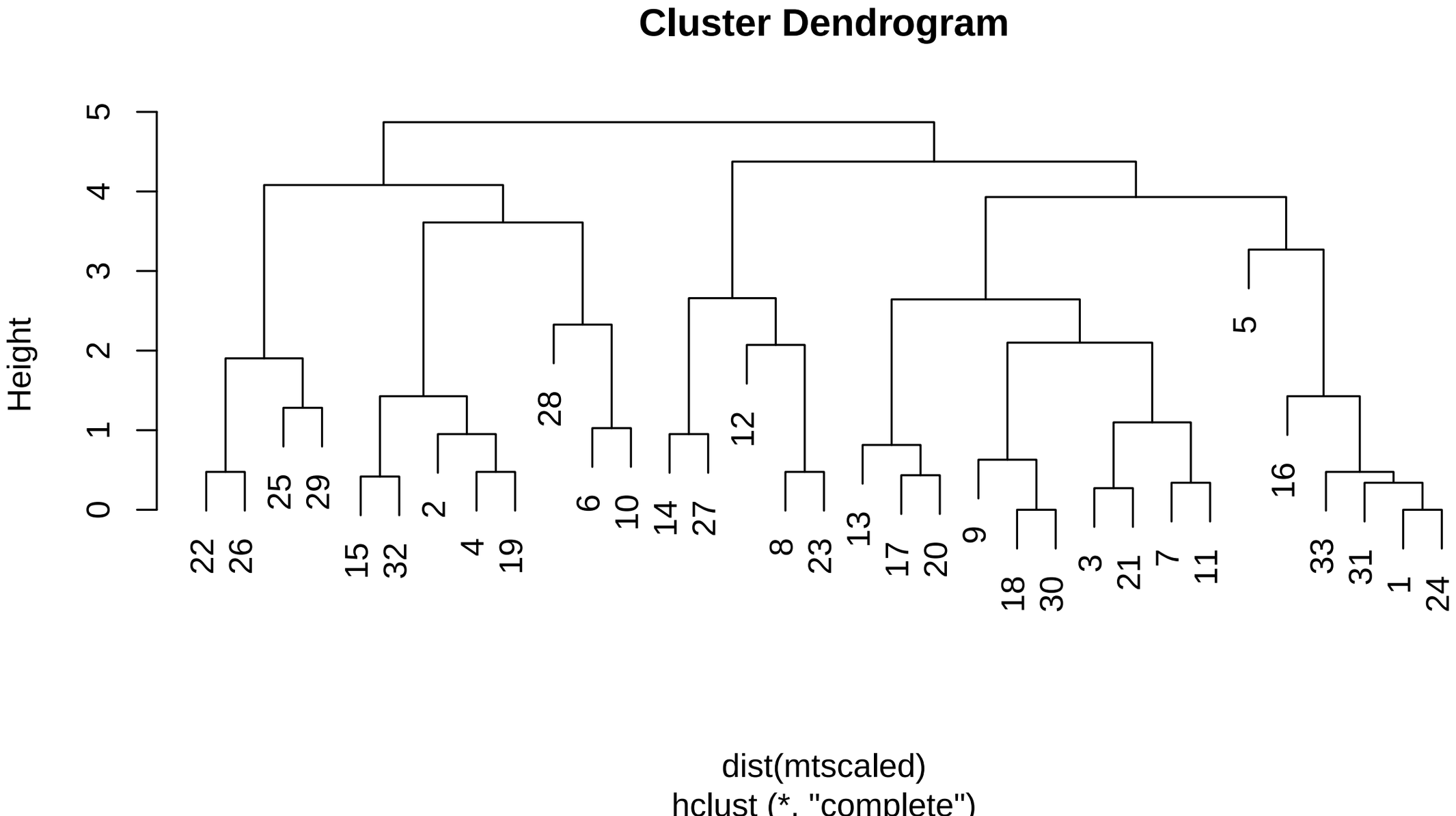


Figure 2: Heatmap

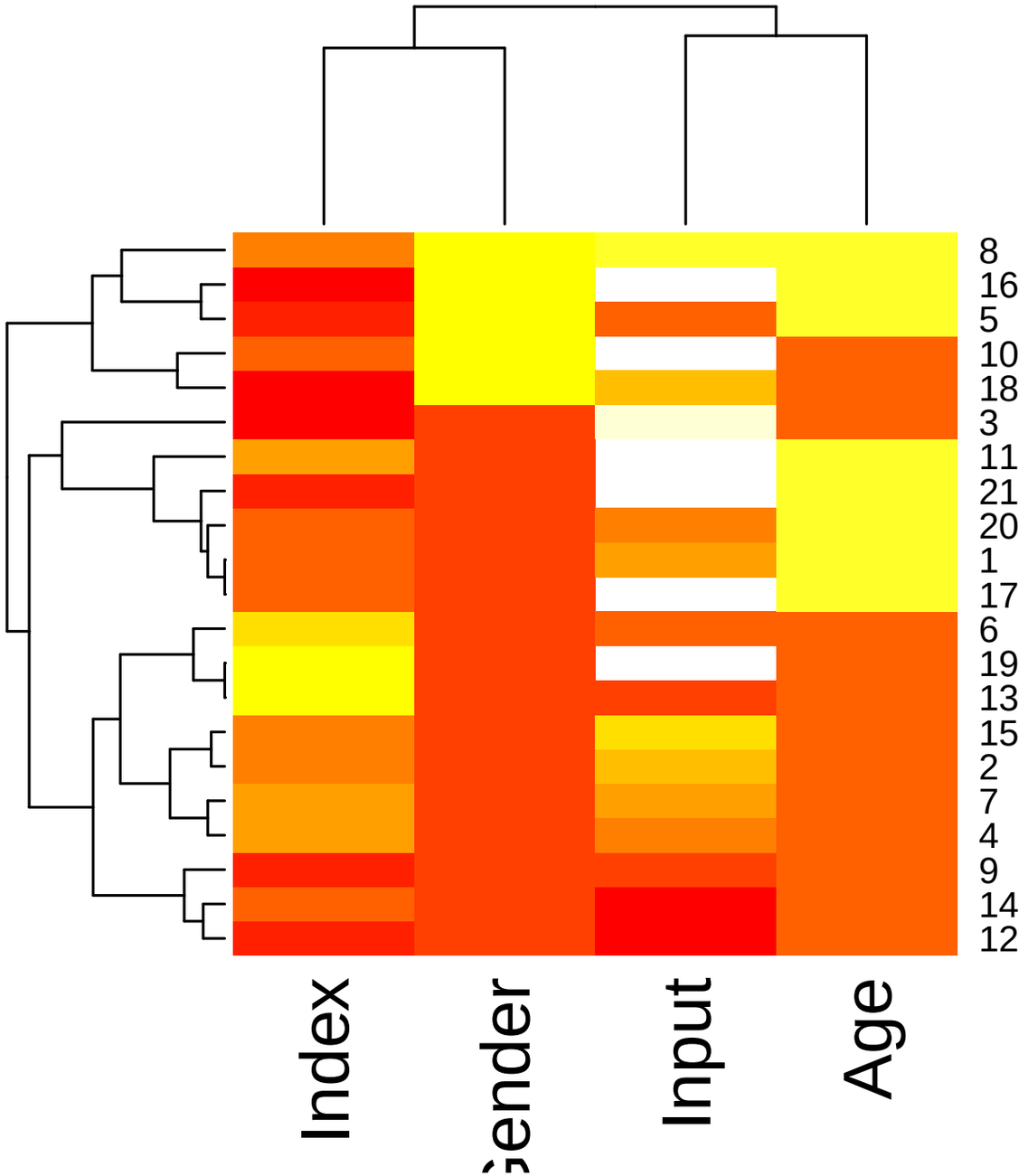
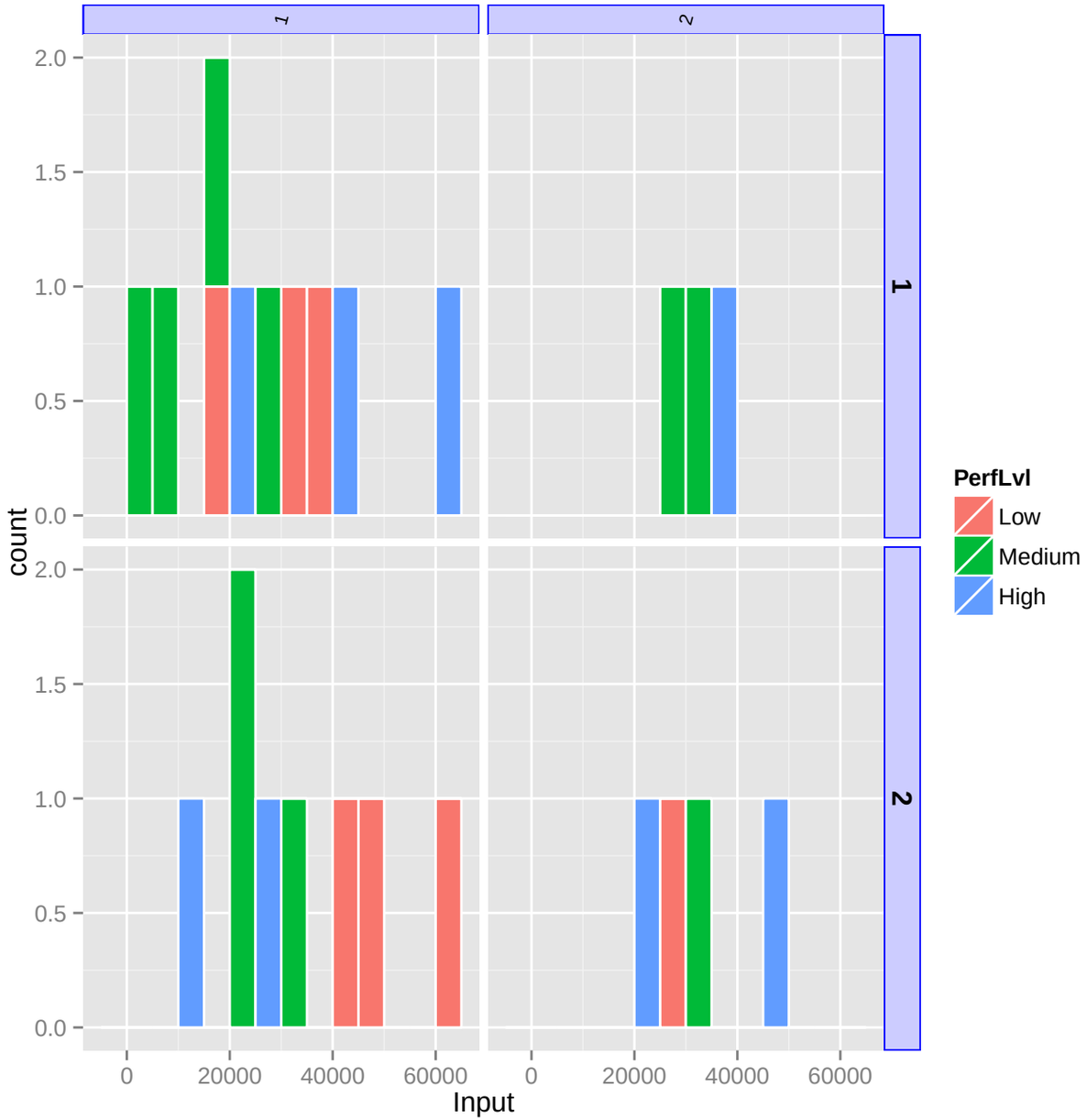


Figure 3: Heatmap

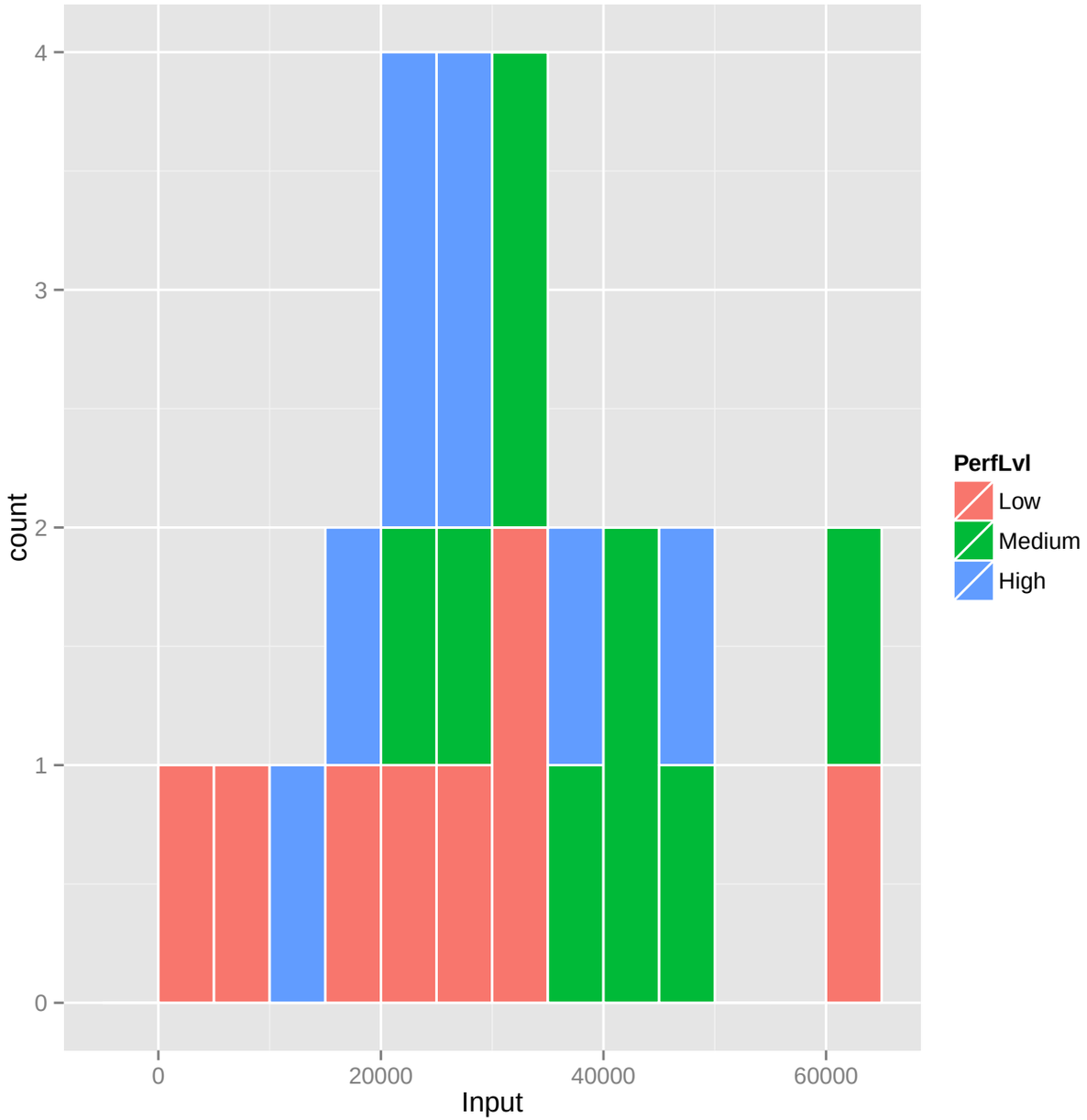
6 The standard histogram

7 The histogram bifurcated by Gender and indexed by Performance


1
2
1
2
2.0
1.5
1.0
0.5
0.0
count
0
20000
40000
60000
Input
PerfLvl
Low
Medium
High

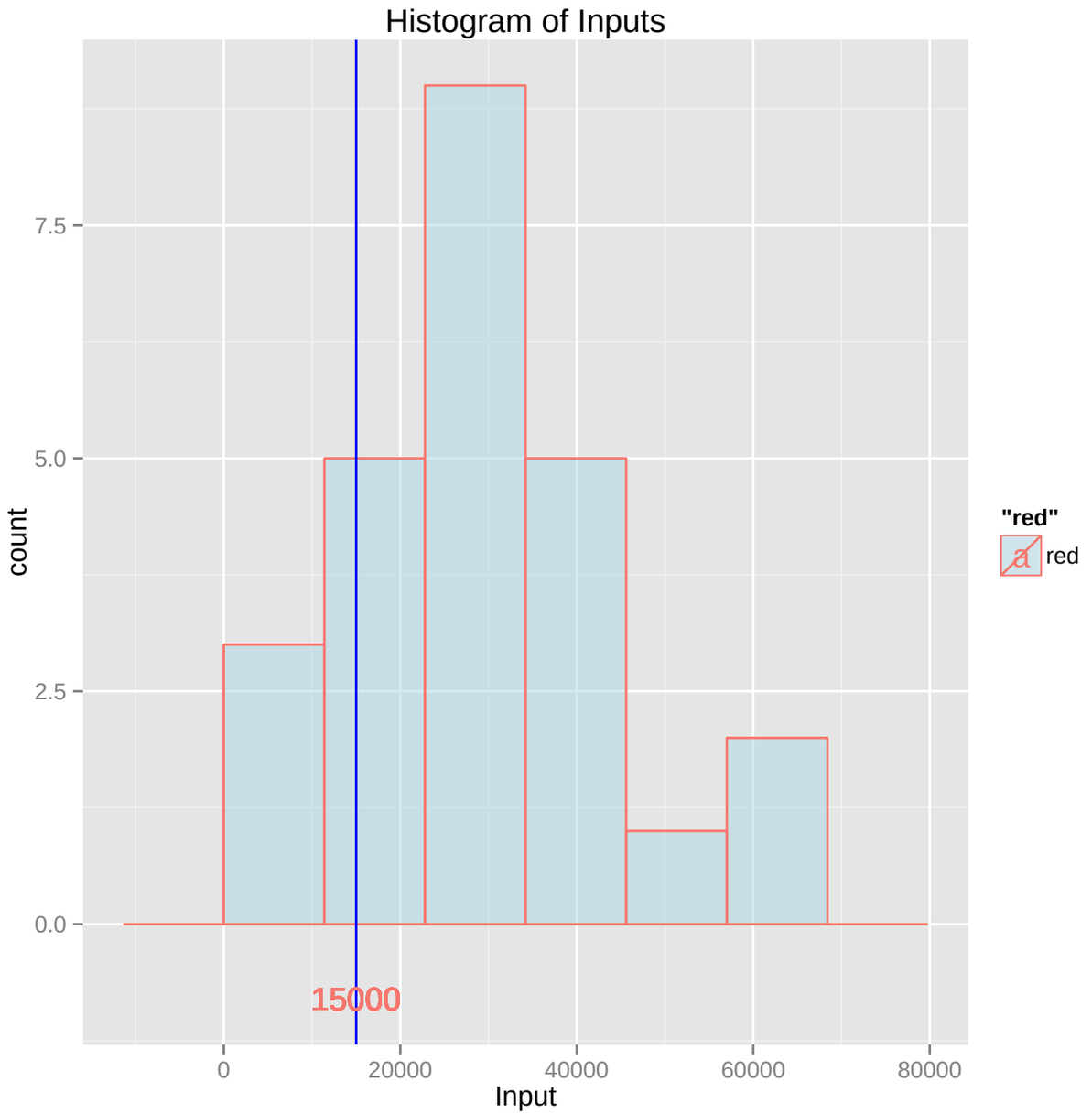
8 The histogram indexed by performance

The idea of this program is to produce a histogram which permits the counts in the histogram to represent the different levels of perceived competence depending on the Index count. The Index values are broken into 3 levels called Low, Medium and High)

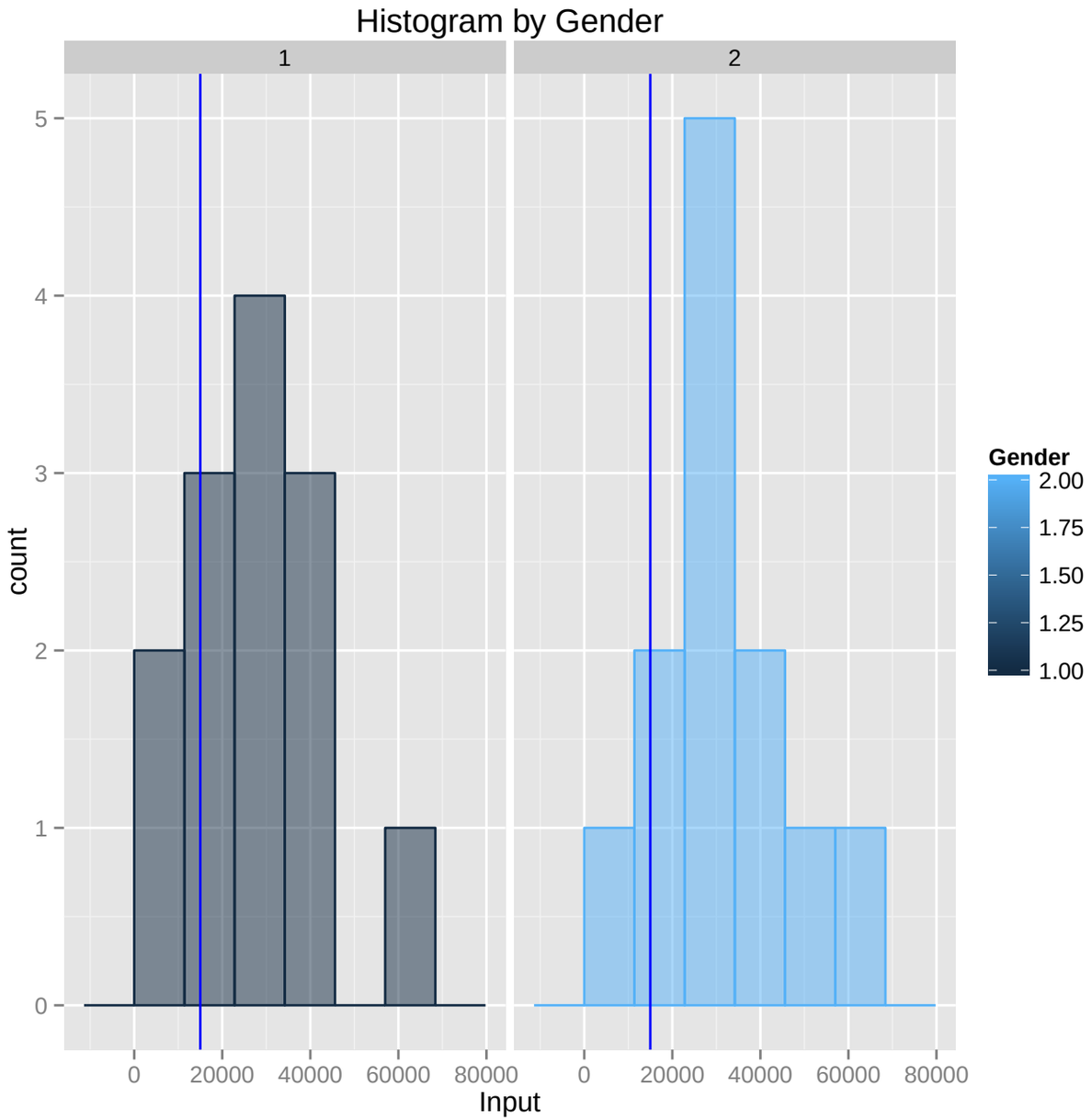

4
3
2
1
0
count
0
20000
40000
60000
Input
PerfLvl
Low
Medium
High

9 Miscellaneous

```
## Don't know how to automatically pick scale for object of type data.frame.  Defaulting to continuous
```


Histogram of Inputs
count
7.5
5.0
2.5
0.0
15000
0
20000
40000
60000
80000
Input
"red"
red

10 2 Faceted histogram



```
## Error:  invalid argument to unary operator
```

11 4 faceted histogram