

Plots

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```
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.1 --
```

```
## v ggplot2 3.3.5      v purrr  0.3.4
```

```
## v tibble  3.1.4      v dplyr  1.0.7
```

```
## v tidyr   1.1.4      v stringr 1.4.0
```

```
## v readr   2.1.0      v forcats 0.5.1
```

```
## -- Conflicts ----- tidyverse_conflicts() --
```

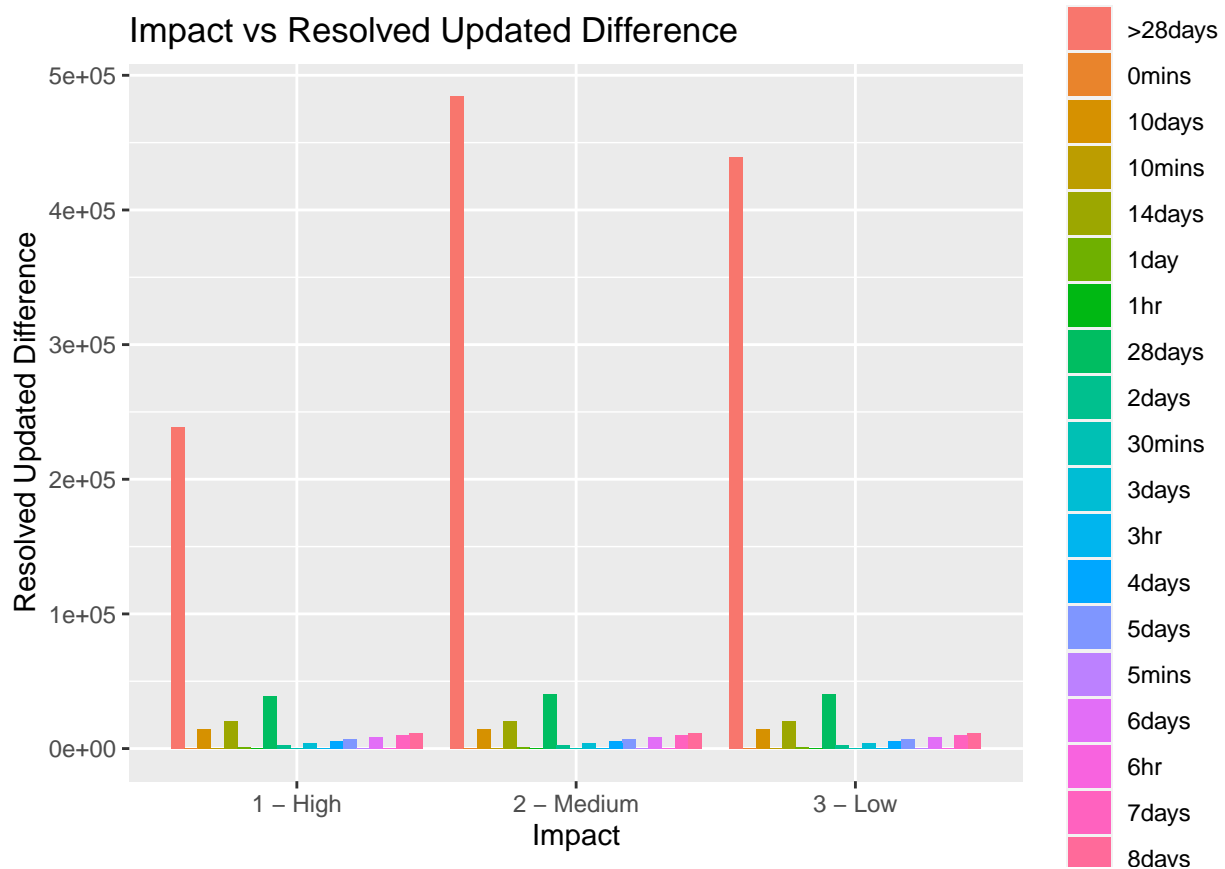
```
## x dplyr::filter() masks stats::filter()
```

```
## x dplyr::lag()    masks stats::lag()
```

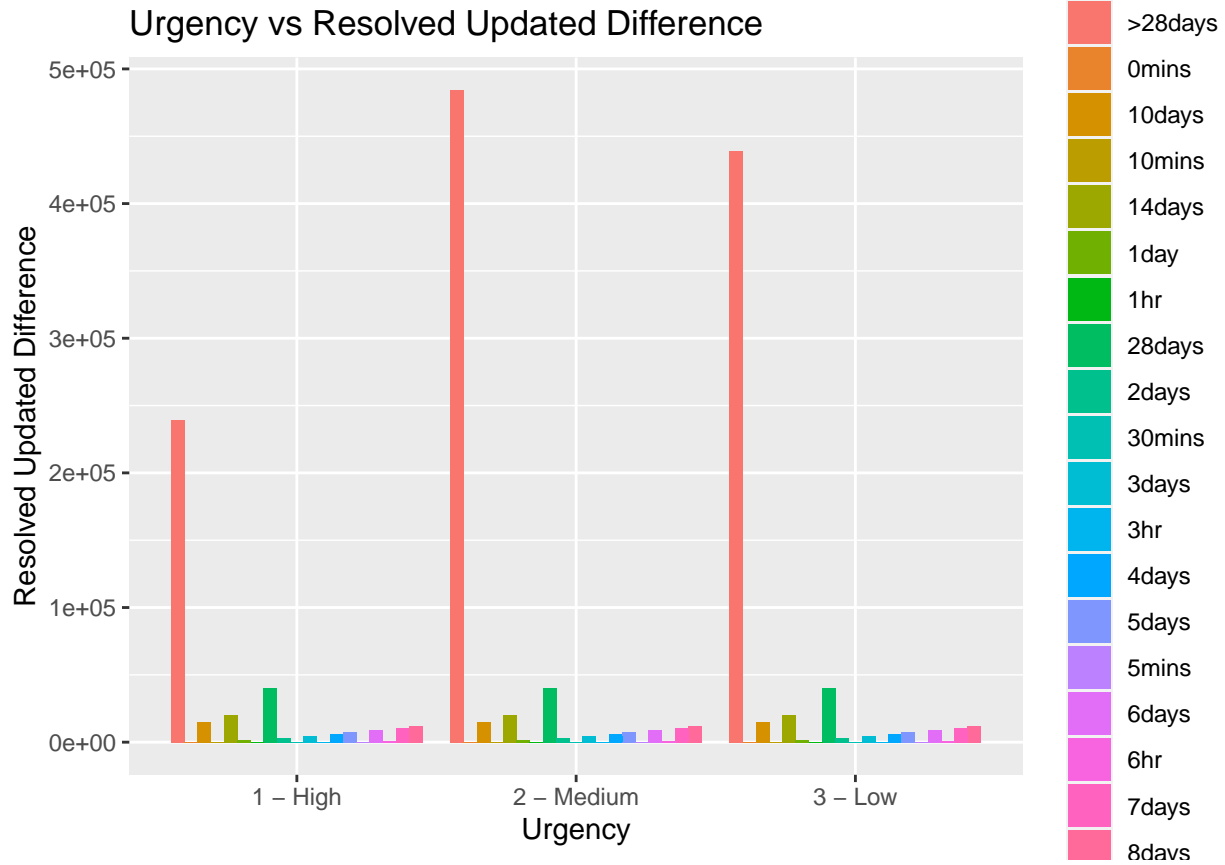
```
library(ggplot2)
```

```
df<-read.csv("df_with_class.csv",sep="," ,header=TRUE)
```

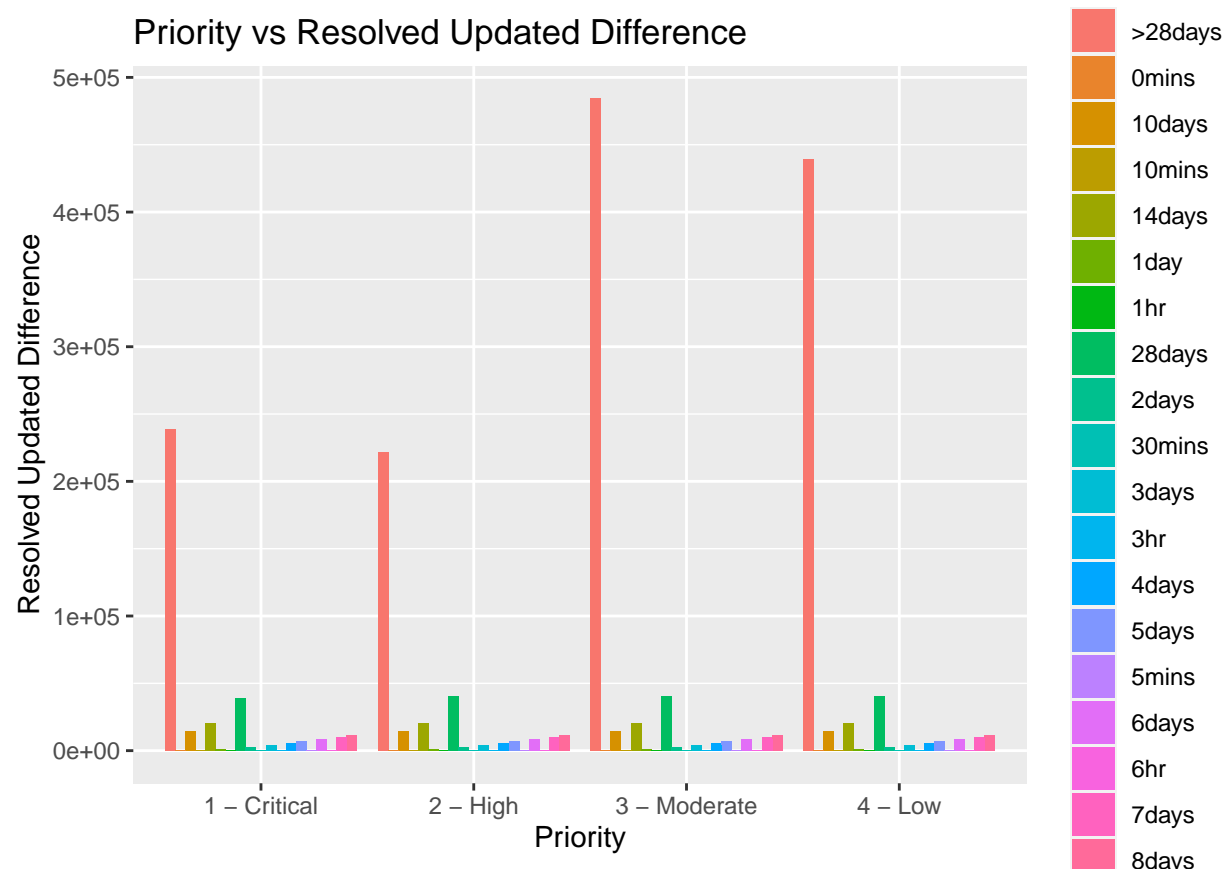
```
ggplot(df, aes(impact,resolved_updated_diff,fill=class)) + geom_bar(stat="identity", position="dodge")+ 
```



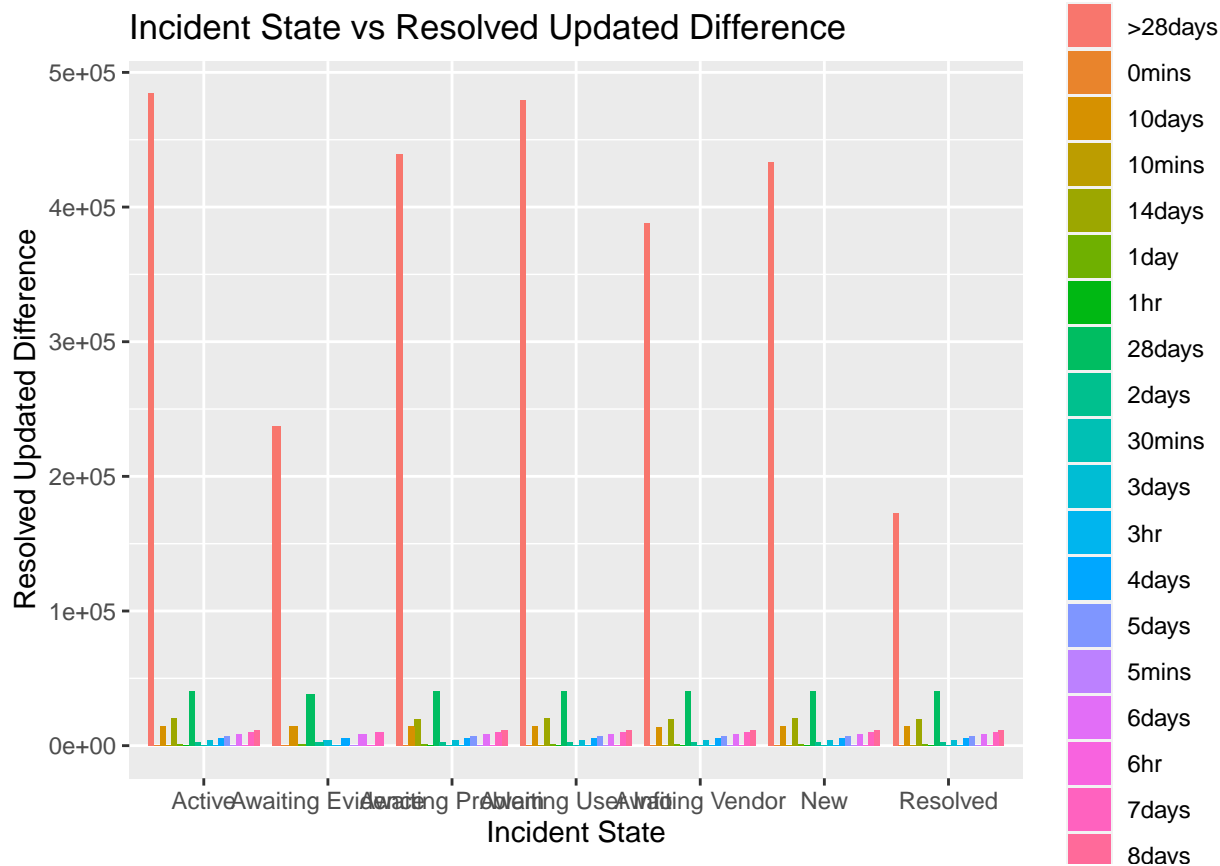
```
ggplot(df, aes(urgency,resolved_updated_diff,fill=class)) + geom_bar(stat="identity", position="dodge")
```



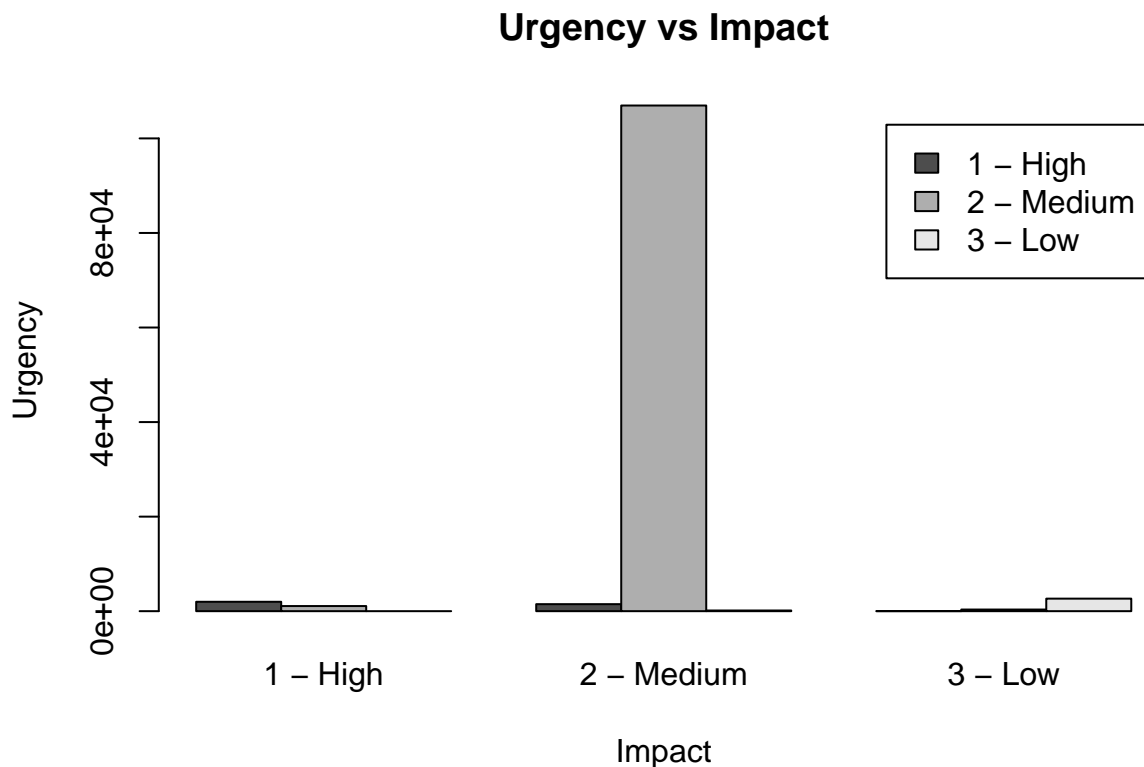
```
ggplot(df, aes(priority,resolved_updated_diff,fill=class)) + geom_bar(stat="identity", position="dodge")
```



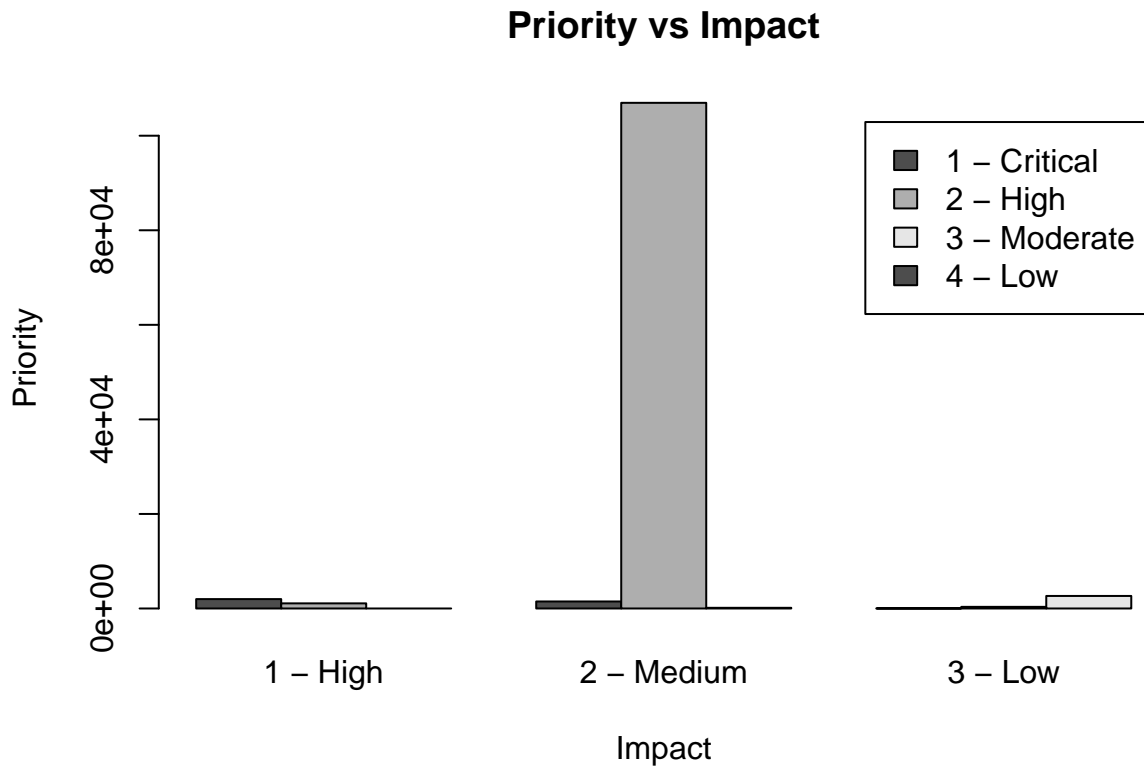
```
ggplot(df, aes(incident_state,resolved_updated_diff,fill=class)) + geom_bar(stat = "identity", position="dodge")
```



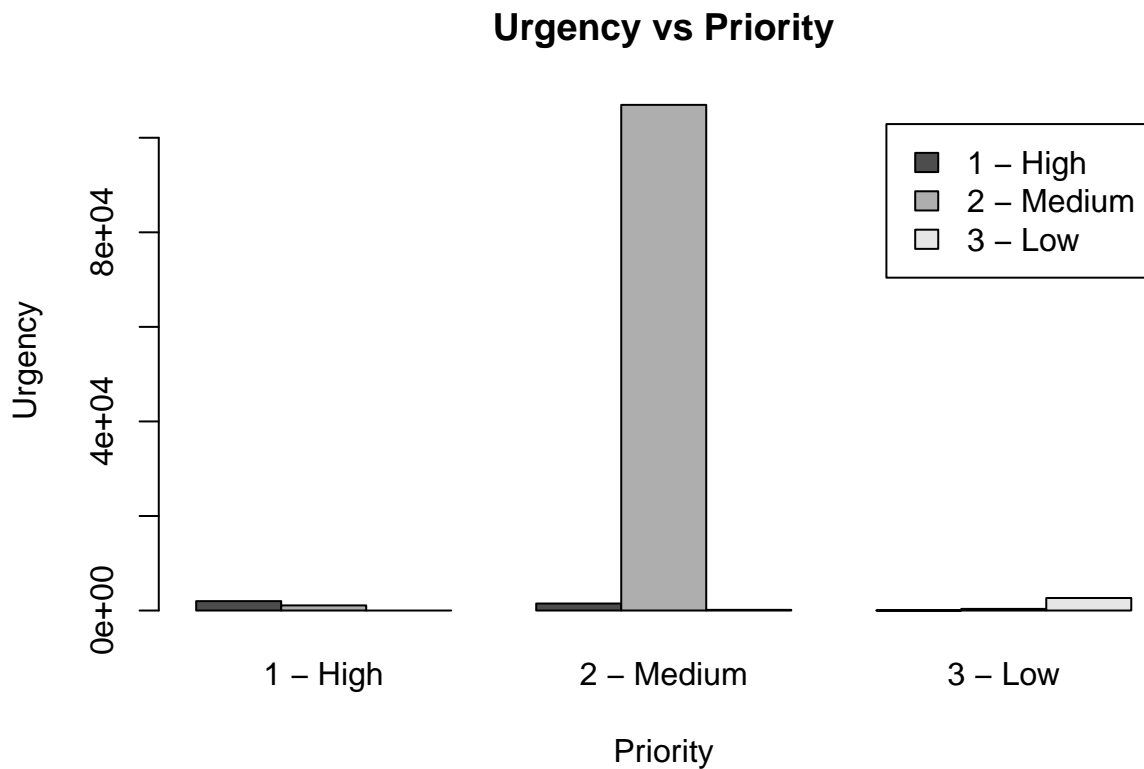
```
one <- table(df$urgency,df$impact)
barplot(one, main="Urgency vs Impact", xlab="Impact",ylab="Urgency", legend = rownames(one),beside=TRUE,
```



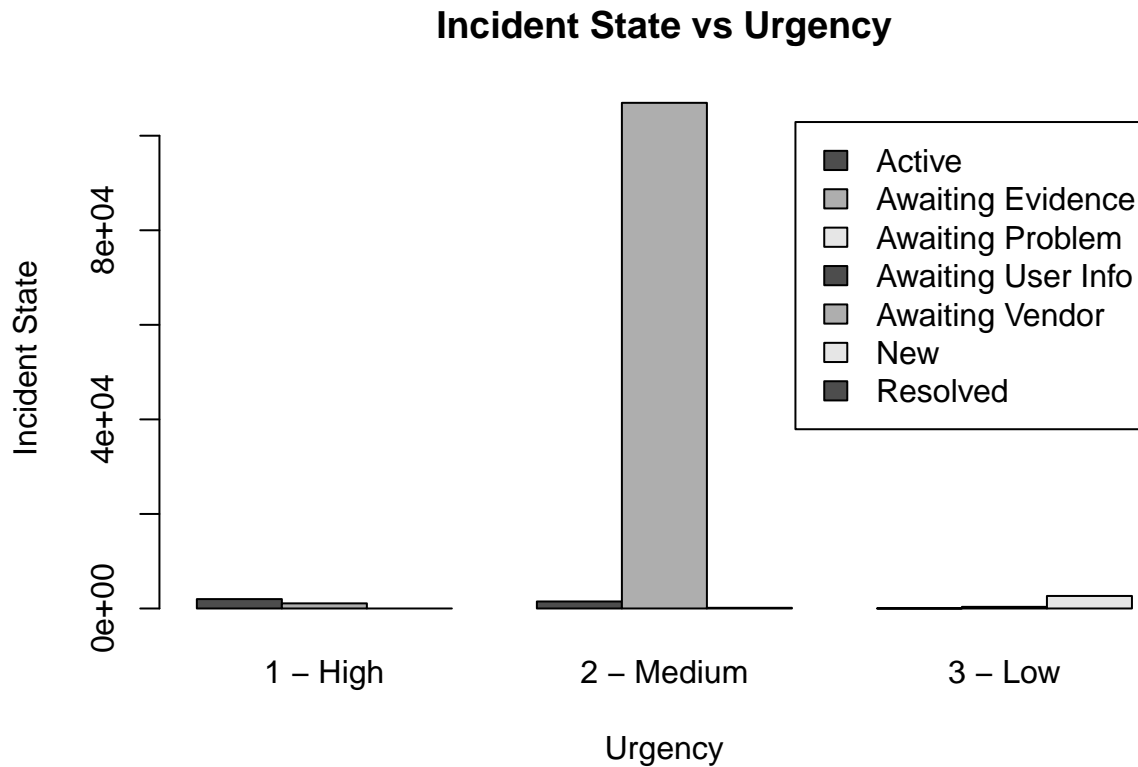
```
two <- table(df$priority,df$impact)
barplot(one, main="Priority vs Impact", xlab="Impact",ylab="Priority", legend = rownames(two),beside=TRUE)
```



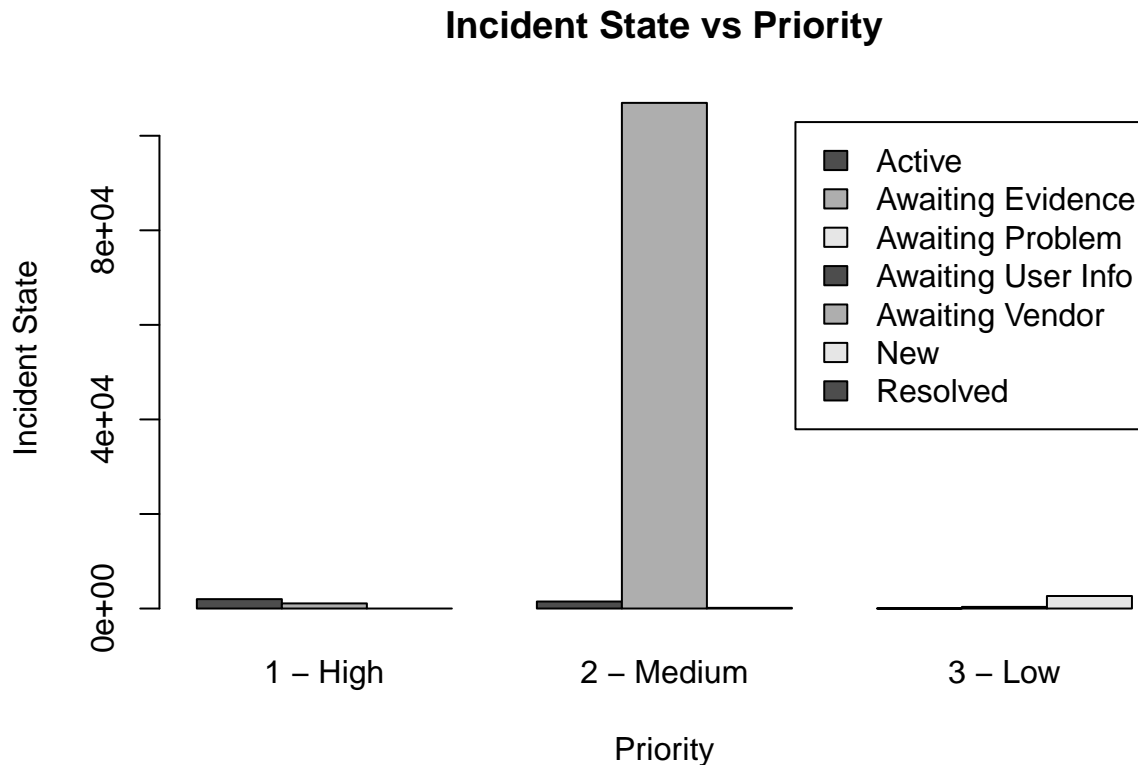
```
four <- table(df$urgency,df$priority)
barplot(one, main="Urgency vs Priority", xlab="Priority",ylab="Urgency", legend = rownames(four),beside=TRUE)
```



```
five <- table(df$incident_state,df$urgency)
barplot(one, main="Incident State vs Urgency", xlab="Urgency",ylab="Incident State", legend = rownames(df))
```



```
six <- table(df$incident_state,df$priority)
barplot(one, main="Incident State vs Priority", xlab="Priority",ylab="Incident State", legend = rownames(df))
```



```
seven <- table(df$incident_state,df$impact)
barplot(one, main="Incident State vs Impact", xlab="Impact",ylab="Incident State", legend = rownames(seven))
```

