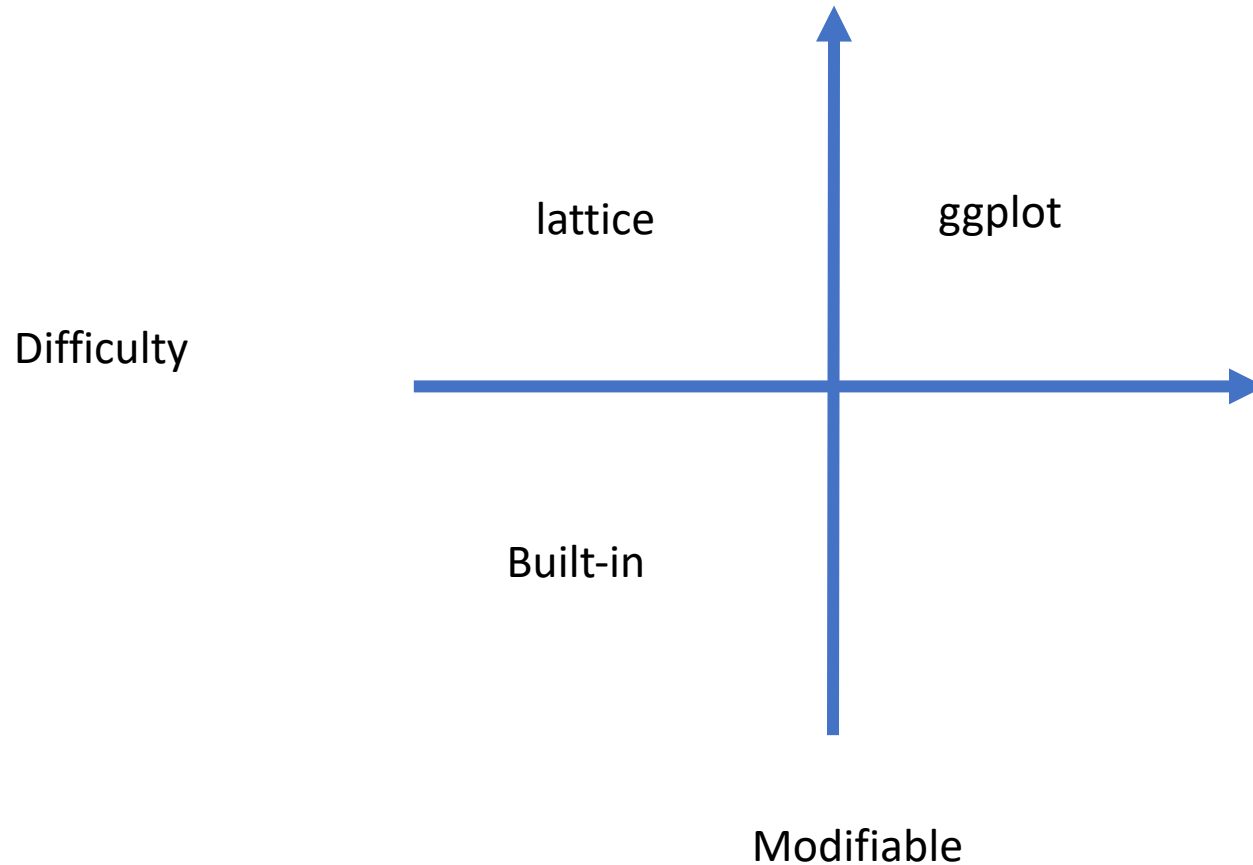


Data Visualization in R

Three Main Plotting Packages in R



Bar Charts in ggplot

```
ggplot(dataFrame, aes(columnName))+  
  geom_bar() +  
  ggtitle("TitleText") +  
  xlab("LabelText") +  
  ylab("Frequency")
```

Bar Charts in lattice

```
barchart(dataFrame$columnName, main="TitleName",  
ylab="LabelName", xlab="Frequency")
```

By default, your x and y are switched in lattice

Line Charts in R

```
ggplot(dataFrame, aes(as.Date(DateVariable,  
"dateFormat"), Yvariable)) +  
  geom_line() +  
  xlab("LabelText") +  
  ylab("LabelText") +  
  ggtitle("TitleText")
```