1 Pipe Notes

The library magrittr provides a new pipe-like operator, $\%>\%$, with which you may pipe a value forward into an expression or function call; something along the lines of $x\%>\%f$, rather than $f(x)$. Pipe operate semantically changes your code in a way that makes it more intuitive to both read and write. The following two lines produce the same result

```
iris%>%group_by(Species)%>%summarise(n=n())
summarise(group_by(iris,Species),n=n())
```

$\%<>\%$ can be used as the first pipe in a chain.

```
temp=iris
# the following line
temp=temp%>% filter(Species=='setosa')
# is the same as the following
temp%<>% filter(Species=='setosa')
```

The exposition pipe operator, %$% exposes the names within the left-hand side object to the right-hand side expression. Essentially, it is a short-hand for using the with functions used when functions do not themselves have a data argument

```
iris %>%
  subset(Sepal.Length > mean(Sepal.Length)) %$%
  cor(Sepal.Length, Sepal.Width)
# is the same as
 temp=subset(iris,Sepal.Length > mean(Sepal.Length))
   cor(temp$Sepal.Length, temp$Sepal.Width)
```