aggregate(): create a table by applying a function to data in individual columns grouped by a factor or factors

aggregate(object, list of grouping elements, function)

eg. aggregate(iris[1:4],iris[5],mean)

by(): perform mathematical functions on grouped data set

by(iris,iris[5],function(df)cor(df$Sepal.Length,df$Sepal.Width))

dplyr:

%>% pipe operator: provide a mechanism for chaining commands with a new forward-pipe operator (forward a value/result of an expression into the next function expression)