**Naming a matrix**

To help you remember what is stored in star\_wars\_matrix, you would like to add the names of the movies for the rows. Not only does this help you to read the data, but it is also useful to select certain elements from the matrix.

Similar to vectors, you can add names for the rows and the columns of a matrix

rownames(my\_matrix) <- row\_names\_vector

colnames(my\_matrix) <- col\_names\_vector

We went ahead and prepared two vectors for you: region, and titles. You will need these vectors to name the columns and rows of star\_wars\_matrix, respectively.

**Calculating row sums**

In R, the function [rowSums()](http://www.rdocumentation.org/packages/base/functions/colSums" \t "_blank) conveniently calculates the totals for each row of a matrix. This function creates a new vector:

rowSums(my\_matrix)

**Adding Column**

You can add a column or multiple columns to a matrix with the [cbind()](http://www.rdocumentation.org/packages/base/functions/cbind" \t "_blank)function, which merges matrices and/or vectors together by column. For example:

big\_matrix <- cbind(matrix1, matrix2, vector1 ...)

**Adding Row**

rbind()