#Coursera – R Programming – Assigment week 3

#Create matrix object that can cache its inverse

makeCacheMatrix <- function( m = matrix() ) {

i <- NULL

set <- function( matrix ) {

m <<- matrix

i <<- NULL

}

get <- function() {m}

setInverse <- function(inverse) {

i <<- inverse

}

## Method to get the inverse of the matrix

getInverse <- function() {i}

list(set = set, get = get,

setInverse = setInverse,

getInverse = getInverse)

}

# Compute inverse of matrix returned by "makeCacheMatrix"

cacheSolve <- function(x, ...) {

m <- x$getInverse()

if( !is.null(m) ) {

message("getting cached data")

return(m)

}

data <- x$get()

m <- solve(data) %\*% data

x$setInverse(m)

m

}