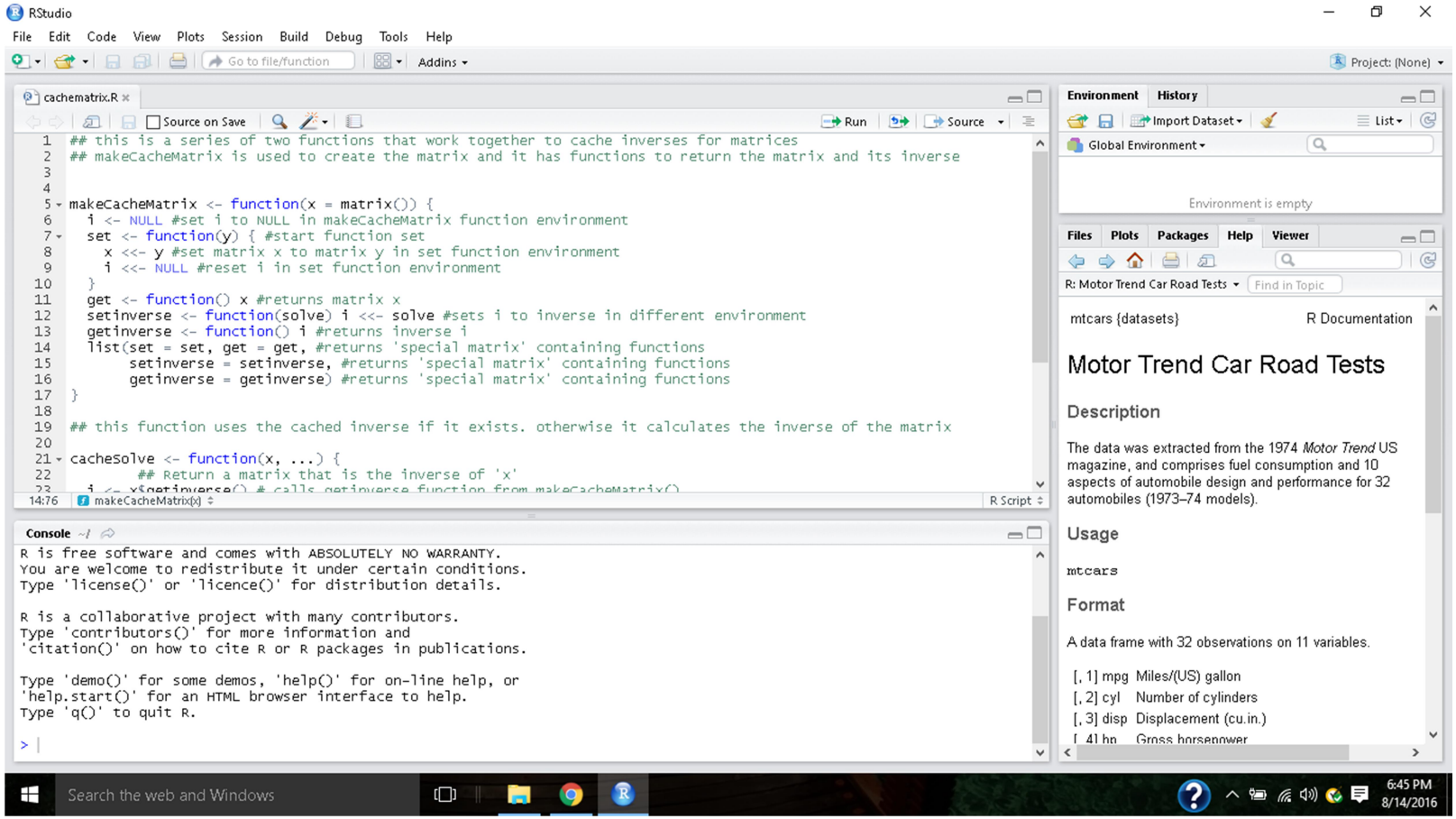
RStudio
File Edit Code View Plots Session Build Debug Tools Help
Go to file/function
Addins
Project: (None)
cachematrix.R
Source on Save
Run
Source
1 ## this is a series of two functions that work together to cache inverses for matrices
2 ## makeCacheMatrix is used to create the matrix and it has functions to return the matrix and its inverse
3
4
5 makeCacheMatrix <- function(x = matrix()) {
6 i <- NULL #set i to NULL in makeCacheMatrix function environment
7 set <- function(y) { #start function set
8 x <<- y #set matrix x to matrix y in set function environment
9 i <<- NULL #reset i in set function environment
10 }
11 get <- function() x #returns matrix x
12 setinverse <- function(solve) i <<- solve #sets i to inverse in different environment
13 getinverse <- function() i #returns inverse i
14 list(set = set, get = get, #returns 'special matrix' containing functions
15 setinverse = setinverse, #returns 'special matrix' containing functions
16 getinverse = getinverse) #returns 'special matrix' containing functions
17 }
18
19 ## this function uses the cached inverse if it exists. otherwise it calculates the inverse of the matrix
20
21 cacheSolve <- function(x, ...) {
22 ## Return a matrix that is the inverse of 'x'
14:76
makeCacheMatrix(x)
R Script
Console ~/
R is free software and comes with ABSOLUTELY NO WARRANTY.
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>
Environment History
Import Dataset
List
Global Environment
Environment is empty
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R: Motor Trend Car Road Tests
Find in Topic
mtcars {datasets}
R Documentation
Motor Trend Car Road Tests
Description
The data was extracted from the 1974 Motor Trend US magazine, and comprises fuel consumption and 10 aspects of automobile design and performance for 32 automobiles (1973–74 models).
Usage
mtcars
Format
A data frame with 32 observations on 11 variables.
[, 1] mpg Miles/(US) gallon
[, 2] cyl Number of cylinders
[, 3] disp Displacement (cu.in.)
[, 4] hp Gross horsepower
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6:45 PM
8/14/2016