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#Homework
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#29_11_2016
#file:///F:/Uni/EAGLE/Program/Program_1/H_29_11.html#(1)

install.packages("raster", repos = "http://cran.us.r-project.org")

## Installing package into 'C:/Users/Marcus/Documents/R/win-library/3.3'
## (as 'lib' is unspecified)

## package 'raster' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'raster'

##
## The downloaded binary packages are in
## C:\Users\Marcus\AppData\Local\Temp\Rtmp0Un3JC\downloaded_packages

library(raster)

## Loading required package: sp

install.packages("cluster", repos = "http://cran.us.r-project.org")

## Installing package into 'C:/Users/Marcus/Documents/R/win-library/3.3'
## (as 'lib' is unspecified)

## package 'cluster' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'cluster'

##
## The downloaded binary packages are in
## C:\Users\Marcus\AppData\Local\Temp\Rtmp0Un3JC\downloaded_packages

library(cluster)

NDVI <- function (NIR,red){
  (NIR-red)/(NIR+red)
}

allbands <- brick("F:/Uni/EAGLE/MB1/01_Data/02_Raster/RapidEye_Ammersee/re20110906_ortho_1s

Rapid_NDVI <- NDVI (allbands[[5]],allbands[[3]])

plot(Rapid_NDVI)

```

