Pharmacoeconomics and HTA:

Download and install R: https://cran.r-project.org/bin/

Download and install RStudio: https://www.rstudio.com/products/rstudio/download/

Download and install JAGS: https://sourceforge.net/projects/mcmc-jags/

Open RStudio and install the following packages (copy and paste commands in the RStudio command line):

install.packages(c("R2jags", "BCEA", "splancs", "ggplot2", "heemod","diagram"))

install.packages("INLA",repos=c(getOption("repos"),INLA="https://inla.r-inla-download.org/R/stable"), dep=TRUE)

Download (from the BB page of Pharmaecoeconomics) and save (create a new folder called 'Lab sessions' on your pc) the R scripts: "Markov_model.R", "LoadData.R", "Utils.R", "vaccine_mod.R", "Statistical_and_Economic_model_Vaccine.R", from the Blackboard page of the course.

Run the following lines of code and check that no error messages appear. It is ok if you get some warnings, but you should see no error messages:

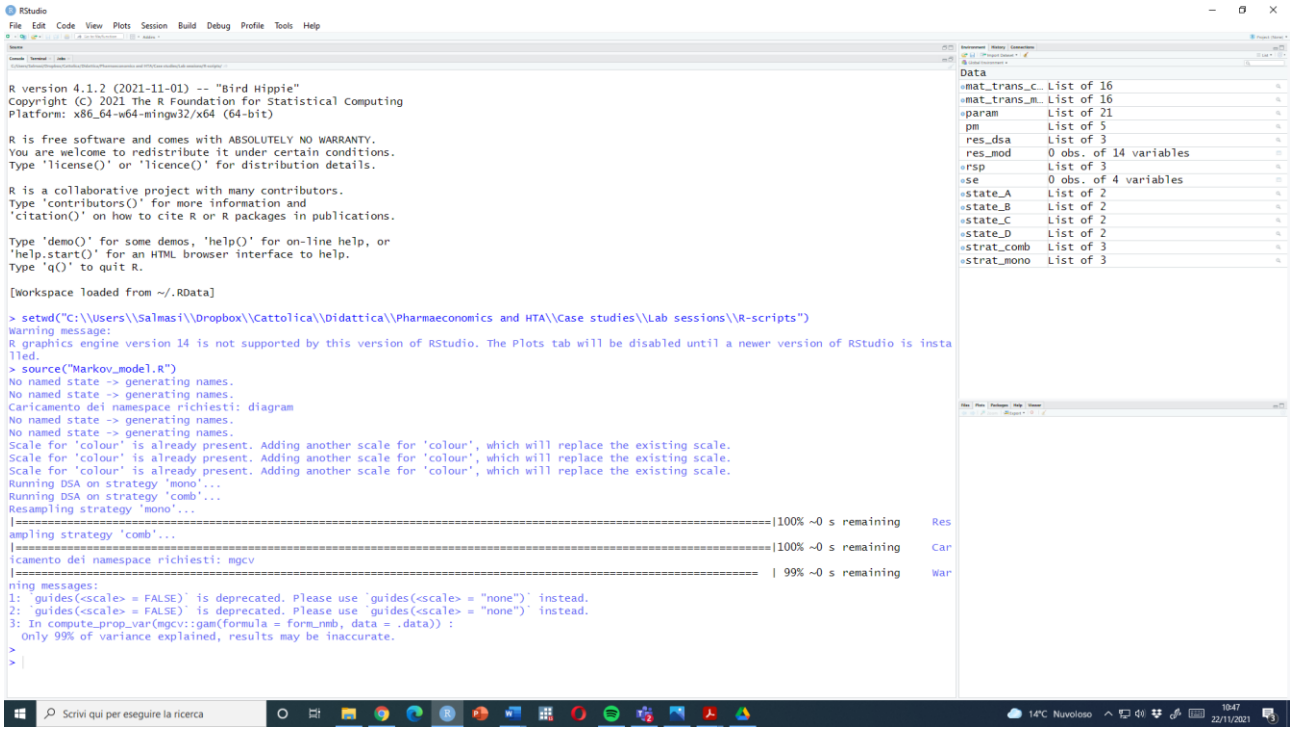
rm(list=ls())

setwd("C:\\Users\\...\\Lab sessions ") # substitute dots with the path to the Lab sessions folder created

previously

source("Markov_model.R")

Output on my pc:



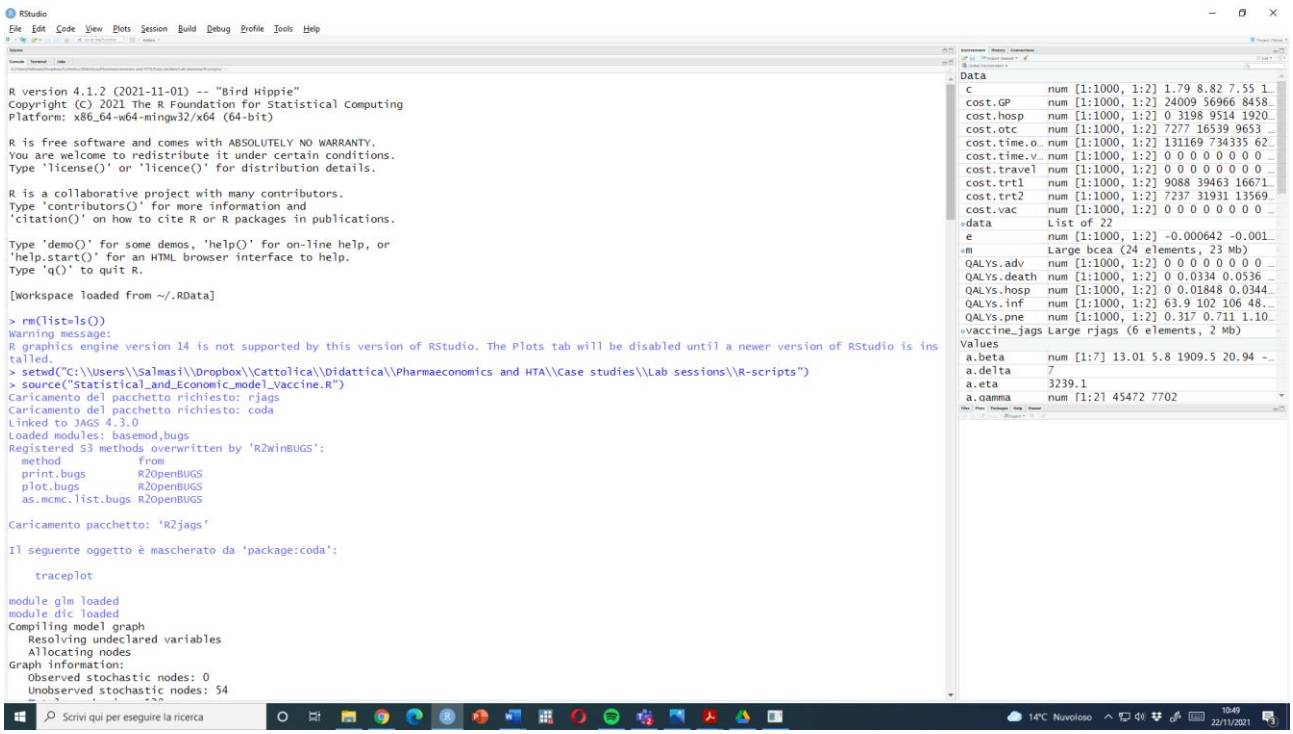
rm(list=ls())

setwd("C:\\Users\\...\\Lab sessions ") # substitute dots with the path to the Lab sessions folder created

previously

source("Statistical_and_Economic_model_Vaccine.R")

Output on my pc:



Click ‘Yes’ if this message appears