R Project Part 2

Make a Jupyter notebook to reproduce the analyses for the Community Ecology analyses on the grassland data in the links.

(1) In addition to the analysis changes below, look up the purpose of all the analyses and use the Jupyter notebook markup language to explain the purpose of each analysis and the meaning of each result to the best of your ability. NMDS, Ordiplot, Adonis…etc.
(2) You may have to change some tests (e.g., t-test).
(3) RENAME your notebook, ***YourLastName*RProjectPt2** and email the finished project to the class email address.

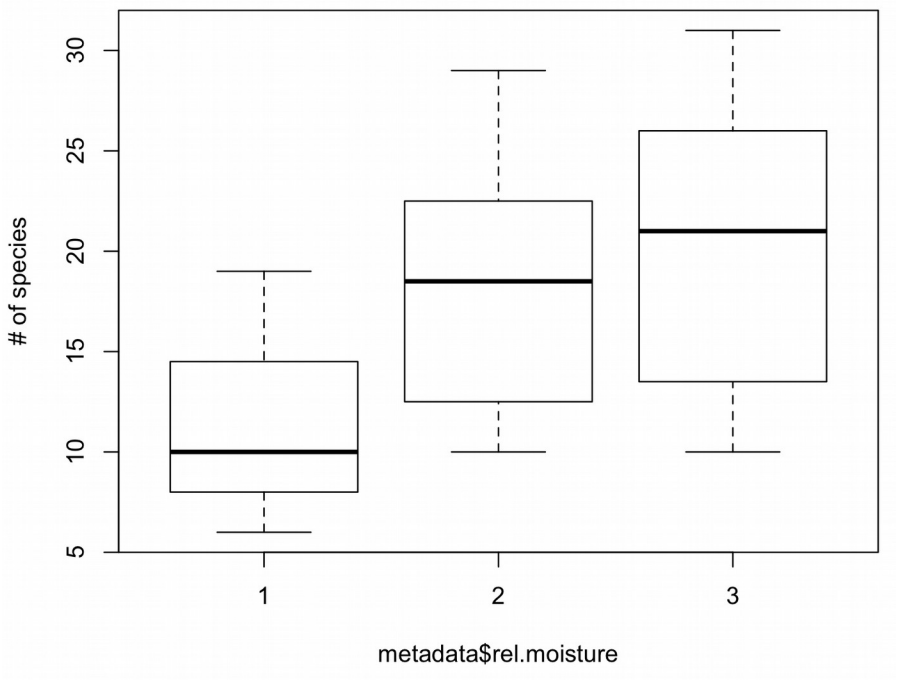
Instructions

Follow the protocol of this workshop/tutorial in the link with one major change (see below):
http://kembellab.ca/r-workshop/biodivR/SK_Biodiversity_R.html

The data for the tutorial can be found here:

http://kembellab.ca/r-workshop/

Instead of examining the effect of habitat (metadata$habitat) do an analysis of rel.moisture (metadata$rel.moisture). For example,
boxplot(specnumber(comm) ~ metadata$habitat, ylab = "# of species")
should be:
boxplot(specnumber(comm) ~ metadata$rel.moisture, ylab = "# of species")



NOTE:

If you are having trouble installing the picante code try the code below. I had to use the this because it would not connect to the CRAN mirror for some reason:

install.packages('picante', dependencies=TRUE, repos='http://cran.rstudio.com/')