Installing R, RStudio and various R packages

This handout describes the installation of R, RStudio and various R packages.

I) Install R
1. Go to the site of the Comprehensive R Archive Network:
   https://cran.r-project.org
2. Click the Download button for your system.
3. Select the installation file for your system. Windows users should select the 'base' distribution.
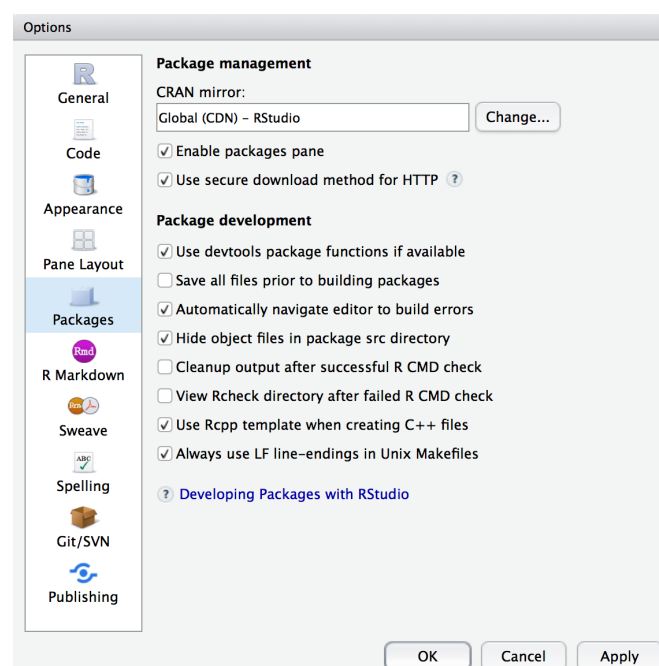4. Run the installation file.

II) Install RStudio (graphical user interface for R)
1. Go to the RStudio Download page:
   https://posit.co/products/
2. Click the Download RStudio Desktop button.
3. Select the installation file for your system.
4. Run the installation file.

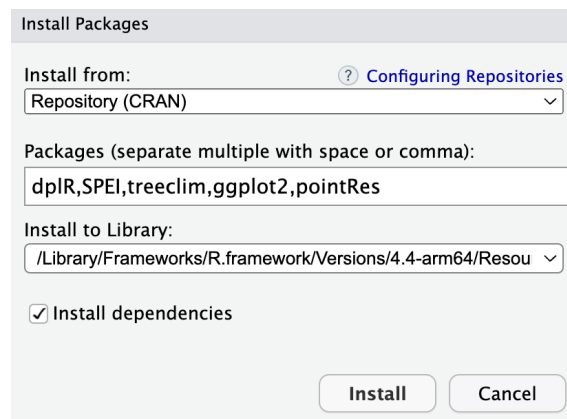At installation, RStudio normally detects the installed version of R automatically.

III) Check whether a CRAN mirror is selected
1. Open RStudio.
2. For Windows: Click Tools > Global Options > Packages.
3. Check whether a mirror is selected under 'CRAN mirror'. If not, specify any mirror via the Change button.

IV) Install the packages dplR, SPEI, treeclim, ggplot2, pointRes

1. Go to the Packages tab in the bottom right panel of RStudio.
2. Click the Install packages button.
3. Select install from 'Repository (CRAN)', type the package names separated by a comma, and tick 'install dependencies'.
4. Click the Install button.

You are ready to go now!