Stat 5050: LaTeX, Rmd, and Rnw Examples

For each of these examples:

> Treat the files in the "Original" folder as backup files. Do not modify these at all.
>
> Change into the "Work" folder.
>
> Open the Rmd/Rnw/tex file from the "Work" folder in RStudio.
>
> To make sure that your R/RStudio/LaTeX installation works correctly, click on "knit" or "Compile PDF" prior to modifying any of the sources files. Can you create the intended pdf, html, or Word document?
>
> Now, further experiment with and modify the file(s) in the "Work" folder / the file(s) you have opened in RStudio.
>
> In case you encounter some errors you cannot fix, delete all files in the "Work" folder, close the Rmd/Rnw/tex file in RStudio, and copy the backup files from the "Original" folder into the "Work" folder. Now try again.

Note: When you are working on a **Windows 10 computer** (Macs seem to work fine), you may have problems to translate the original Example2.Rnw and Example3.tex from within RStudio. This seems to be due to a configuration problem that does not allow RStudio to create a reference list automatically in the recent release when used in combination with MiKTeX. For the basic functionality of using Rnw and tex files via RStudio, work with Example2_noRefs.Rnw and Example3_noRefs.tex instead. Or, translate Example3.tex with your locally installed LaTeX version outside of RStudio and this will contain an automatically created reference list.

This problem has been reported and commented, see for example

https://stackoverflow.com/questions/61029677/problems-doing-citations-using-rstudio-with-natbib-with-a-bibliography-style

A possible solution is to install the full-scale Tex Live from https://www.tug.org/texlive/. This will take several hours and requires about 6 GB of hard disk space. This is **NOT** required for this course, but if you want to use LaTeX from within RStudio for your thesis, dissertation, or journal papers later on, reach out to me if you are interested in additional details. I run this version of LaTeX on my side.