**Week 3 - Lesson 2 Exercise**

For my R-based geoscripting goal I want to be able to replicate/reproduce one or two of the main functions I developed for my master’s project (a spatial decision support system in the form of a website, originally in JavaScript). This would be appropriate, for one, because all my geospatial functions make use of Leaflet and related APIs (for interactive mapping as well as creating charts/graphs). It would also help me solidify knowledge I’ve gained regarding the handling of vector and raster data in GIS, while allowing me to gain more insight into the power or R for different applications. Lastly, reproducing one of my existing functions with R code can help me in creating outputs in the form of images or others, which I can include in my master’s final paper and presentation as I plan for my defense in the next few months.

What I will need:

* Get more comfortable with the R language – keep practicing R code
* Identify one or more of my core functions that were originally developed with the JavaScript version of Leaflet and which can be replicated with R (based on available R examples and libraries)
* Set a workflow for the “translating” from JavaScript to R, again based on existing libraries/functionality
* Deliver R version of website function/s by the end of the quarter