<http://nicercode.github.io/blog/2013-04-05-projects/>

Main Project Data Analysis Folder

**R\_Scripts:** Folder containing only primary R scripts for data analysis. Scripts are orders, labeled and are generally as short as possible for required task. The first scrip ‘0.0\_SetDirectoriesLoadLibraries.R’ is almost always a special script that is run at the beginning of every other script with source(). The ‘Set Directories’ sets all the appropriate project directories for a given project in R & checks if requires libraries are installed.

**R\_Functions:** Folder containing complete R functions. Short functions can be included in scripts, but longish functions should be placed in separate files to avoid cluttering scripts. Project functions are clean, clear and well named/annotated (e.g. ProjectRastToStream.R contains function user ‘ProjectRastToStream’).

**Data:** Folder containing raw data files only (no modified output). Examples FishStrandSearchPriSecSearch\_5876.xlsx. Subfolders here could include sites, GIS or whatever makes sense for project.

**Documents:** Associated Documentation for data analysis.

**Figures:** This folder contains figures only, either for exploratory purposes or polished figures for reports (pdf, png, svg, tif ect.). Figure labels should begin with some identifier to tell which R script generated it e.g. ‘04.1’ would tell users that 04.1\_FigureTitle.pdf came from 04.1\_FishSizeModel.R. Again appropriate organizational subfolders here are critical.

**R\_Output:** This folder containing only modified/summarized data files, R objects, temporary files, models and final report tables. Again appropriate organizational subfolders here are critical (e.g subfolder folder name: 04.1\_FishSizeModelOutput).