1. Your initial folder should look like this. This can be anywhere on your computer.

Table

Description automatically generated

1. The styles folder contains this and contains the formatting for the report outputs. In here you can change things like the font and the background colour. The one we use is air but any can be used. You don’t need to click on these or open them if you don’t know what they are.

Graphical user interface, text

Description automatically generated

1. The dataframes folder has manually inputted information which the code uses. “LTMN positive and negative….csv” contains a list of potential positive and negative indicator species for various sites and habitats. This is not used by the code. “Positive indicators.csv” is a condensed version which the code can read. If you want to do more sites, you may wish to add a column in here for the new site. This will be the species that the species graph shows. “rename\_habitat.csv” is some manual habitat name changes as well as a list of all accepted habitat names.

Graphical user interface, text, application

Description automatically generated

1. Copy the three dataframes you created in the dataframe\_creation folder into here.

Table

Description automatically generated

1. Go back to the main folder and open the ‘data\_prep\_figure4.R’ file. If you see a message like this on the top, click on install. Don’t worry if the names of the packages are different.

Graphical user interface

Description automatically generated

1. Now open the ‘report.Rmd’ file and find the setwd(‘’) function. It may have a different bit of text in there. It also may be different colours.

Text

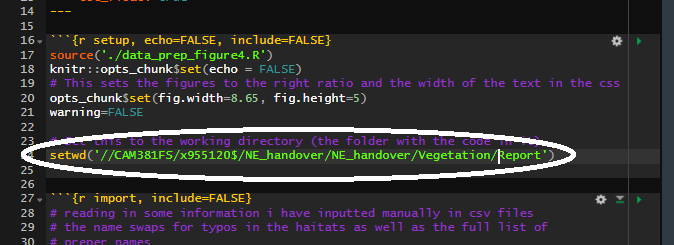
Description automatically generated

1. Go back to the main folder where the code is, right click on the address bar and click ‘Copy address as text’

Graphical user interface, text, application

Description automatically generated

1. Replace the text in the setwd(‘’) function with what you have copied and replace all backslashes \ with forward slashes /. The text will be different according to your computer and where you put the files.



1. At the top of the file you will see the title. Change this whatever you want the title of the report to be. The css will be the file with the formatting that you want. At the moment it is set to air, but any can be used in the folder. Just change the bit of text saying ‘air’ to ‘modern’.

Text

Description automatically generated

1. Scroll down to ‘General’ where you can choose a site to make a report on. Change ‘SITECOE’ to ‘B01’ or ‘B36’ depending on what site you want.

Text

Description automatically generated

1. A few examples are given below. Here is Lullington, you can see the change to ‘B14’. There are a few things you can change in here (though you don’t have to). The rem\_plot() function removes a plot from the analysis. Here plot 30 is removed. Sometimes there is one that has some issues which ruin the statistics (either errors in the data or more usually, a plot with only 1 species). The select\_by function chooses the habitats to monitor. It is normally set to 15 (above) which means it requires more than 15 plots of that habitat across all surveys to include that habitat in the analysis. As more surveys get added this should be increased. Here (below) I have changed it to 700 so that none are selected, instead I have provided a list of specific haitats to manually include.

Text

Description automatically generated

1. Above at the place where the data is being loaded in from the data frame created in dataframe\_creation. Make sure the name of the file with the dataframe is the same name you have given it. ‘all\_plots.csv’ here.

Graphical user interface, text, application, chat or text message

Description automatically generated

1. Much further below we enter in the data from the species dataframe. Make sure it is the same as the one you have created. Here you choose whether to use percent cover ‘species\_pc.csv’.

Graphical user interface, text, application, chat or text message

Description automatically generated

1. Finally, when you want to make the report, at the top click on ‘knit’ > ‘knit to HTML’. (you do no need to highlight the text.)

