ESM 270 Ocean Health Index Lab

Introduction

The Ocean Health Index [intro here]

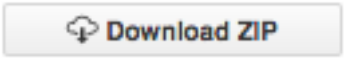
Intro to WebApps concept and overview of lab exercise - study areas and regions

Instructions

You access an existing WebApp and modify it locally on your computer to complete the assignment. You will need to install R (and preferably RStudio) to complete the assignment.

Setup steps:

1. Create a folder called `**ESM_270**` in your home directory so that the R scripts will run smoothly. This folder will have the following filepath:
    - **Windows**: `Users\[User]\Documents\ESM_270\`
    - **Mac**: `Users/[User]/ESM_270/`
2. **R**: Download and install the current version of R from cran.r-project.org.
3. **RStudio**: Download and install the current version of RStudio from rstudio.com.
4. Choose a coastal country or territory that has a WebApp using the list available at ohi-science.org/subcountry. The WebApp you choose must have a green `build | passing` indicator associated with its study area.
    - click the three-letter code in the '*Repo*' column to explore the WebApp of that study area.
    - click the date in the '*Last Mod*' column to explore the GitHub repository of that study area.
5. Click the '*Download ZIP*' button on the main page of the repository

6. unzip the downloaded *.zip* folder and save in your `ESM_270` folder.
7. Open RStudio follow the instructions below.

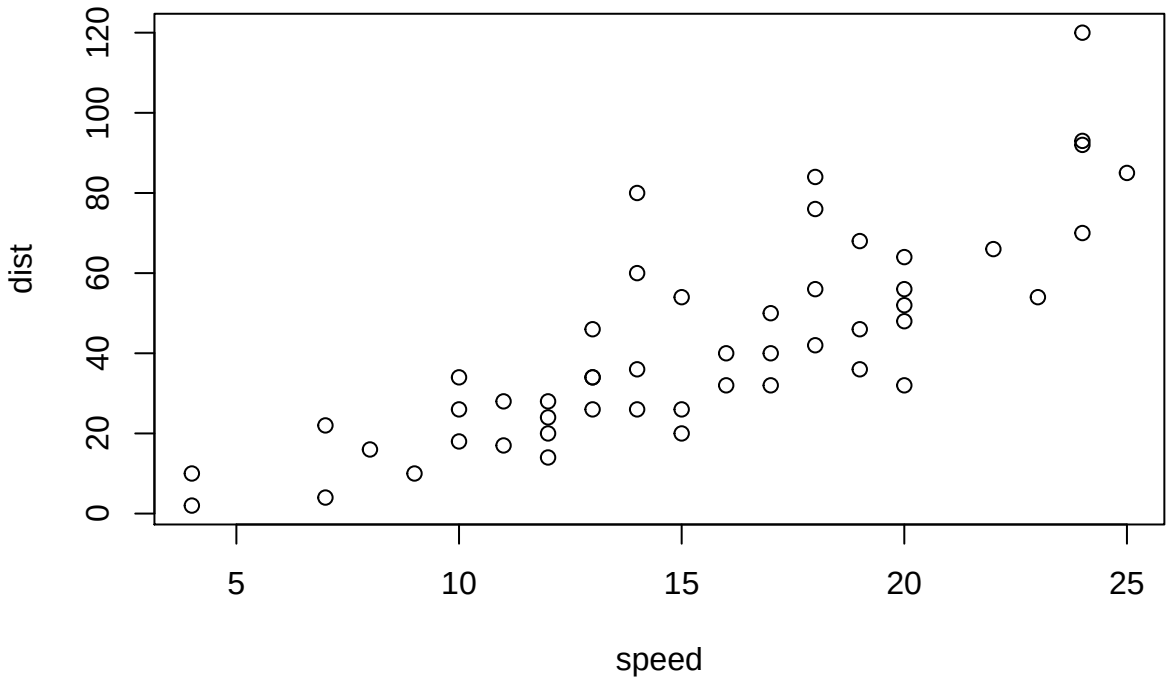
```
# in your R Console, paste the following, replacing the xxx with your 3-letter code.
key = 'xxx'
```

```
# paste the following into your console:



# Note: if you have chosen any of the following repositories, you will need to make the following subst
#       chn -> province2015
```

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.