Trying Rmarkdown

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August 1, 2014

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Introduction

The Ocean Health Index (Halpern et al., 2012; Selig et al., 2013) derives most of its pressures from Halpern et al. (2008).

0.1 Food Provision: Fisheries

Amount of sustainable wild-caught seafood compared to the max sustainable

$$x_{FIS} = (\prod_{g=1}^{6} SS_{i,g}^{C_{i,g}})^{\frac{1}{\sum C_{i,g}}}$$

Variables:

- SS: stock status score, based on B/Bmsy and an underharvest penalty adjustment
- C: total catch
- i: OHI reporting region
- g: level of taxonomic grouping (ISSCAAP)

0.2 Default Rmarkdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed           dist
##  Min.   : 4.0   Min.   :  2
##  1st Qu.:12.0   1st Qu.: 26
##  Median :15.0   Median : 36
##  Mean   :15.4   Mean   : 43
##  3rd Qu.:19.0   3rd Qu.: 56
##  Max.   :25.0   Max.   :120
```

You can also embed plots, for example:

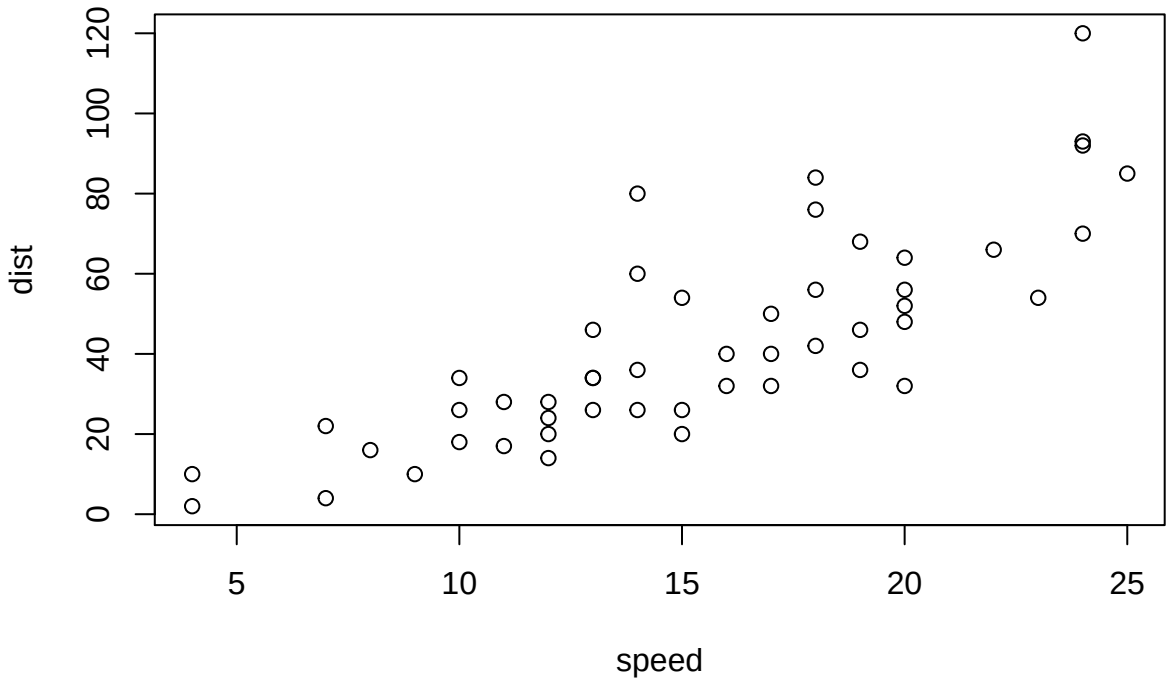

Figure 1: Scatterplot of cars.

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

0.3 Github Markdown

To get github friendly Markdown document for cleanly tracking changes to document in Github, put the following output first:

```
output:
  md_document:
    variant: "markdown_github"
```

NOTE: You need to run this **LAST** though, since knitting other formats wipes out the `test_files` directory. To return to the Knit button having other options (HTML, PDF, Word), move this output type below the first option.

References

Halpern, B. S., Longo, C., Hardy, D., McLeod, K. L., Samhouri, J. F., Katona, S. K., ... Zeller, D. (2012). An index to assess the health and benefits of the global ocean. *Nature*. doi:10.1038/nature11397

Halpern, B. S., Walbridge, S., Selkoe, K. A., Kappel, C. V., Micheli, F., D'Agrosa, C., ... Watson, R. (2008). A Global Map of Human Impact on Marine Ecosystems. *Science*, *319*(5865), 948–952. doi:10.1126/science.1149345

Selig, E. R., Longo, C., Halpern, B. S., Best, B. D., Hardy, D., Elfes, C. T., ... Katona, S. K. (2013). Assessing Global Marine Biodiversity Status within a Coupled Socio-Ecological Perspective. *PLoS ONE*, *8*(4), e60284. doi:10.1371/journal.pone.0060284