

Trying Rmarkdown

Ben Best

August 1, 2014

Contents

Introduction	1
0.1 Food Provision: Fisheries	1
0.2 Default Rmarkdown	1
References	2

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

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

Variables:

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

0.2 Default Rmarkdown

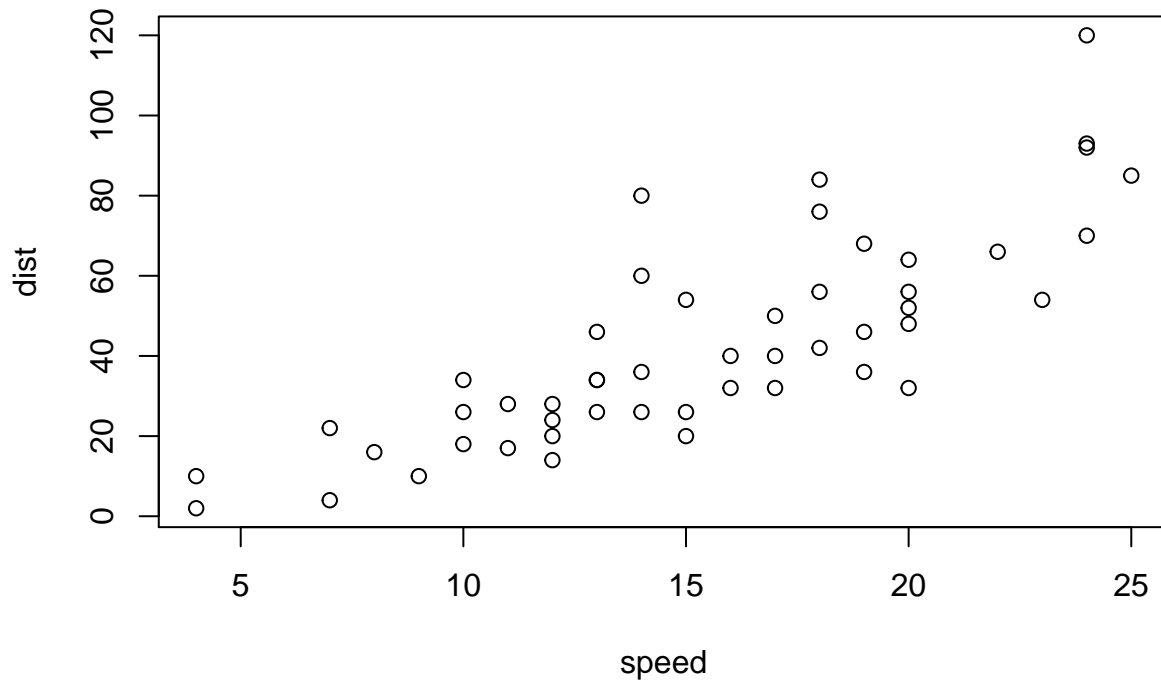
This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

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:



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

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](https://doi.org/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](https://doi.org/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](https://doi.org/10.1371/journal.pone.0060284)