

Workshop Examples

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Change some of the YAML settings to see what happens.

Notice, the down arrow at line 22. If you click this, you can hide the R code chunk. This is helpful when working through a large document.

23 On the right side of the R code chunk are additional options, Settings, a down arrow (run
24 previous R code chunks), and a green play button (runs the current chunk). It's handy to
25 check R code chunks as you go and to debug. Within the Assessment template, this is also
26 the only way to see variables in your Environment.

27 1 Emphasis (R markdown and LaTeX)

emphasis-r-markdown-and-latex

28 *Sebastes melanops*

29 *Sebastes melanops*

30 **Sebastes**

31 ***Sebastes***

32 **Sebastes melanops**

33 ***Sebastes melanops***

34 Headers

headers

35 1.1 Subhead 2

subhead-2

36 Subhead 3

subhead-3

37 1.1.0.1 Subhead 4

38 2 Commenting

commenting

39 3 Links

links

40 [Github](#)

41 4 Lists

lists

42 R Markdown are finicky with spacing. ... * Item 1 * Item 2 + Item 2a + Item 2b

43 • Item 1

44 • Item 2

45 • Item 2a

46 • Item 2b

47 Bulleted list

- 48 • [Git](#)
- 49 • [R](#)

50 Numbered list

- 51 1. [Git](#)
- 52 2. [R](#)

53 5 References and Citations

references-and-citations

54 We can reference a document section, see Lists in Section [4](#).

55 Citations: (Love et al. 2002) Love (2002)

56 6 Figure from a file

figure-from-a-file

57 You can use any file extension, including PDFs



Figure 1: Here's my caption 1^{fig:fig_example1}



Figure 2: Here's my caption 2^{fig:fig_example2}

58 Figures are referenced using LaTeX syntax [1](#).

59 Put a space between the] and (above. Knit the document.

60 Now try adding your own picture to the directory, adding it in here, and referencing it.

7 R code chunks

r-code-chunks

You can embed an R code chunk like this:

```
##      speed      dist
## Min.   : 4.0    Min.   : 2.00
## 1st Qu.:12.0    1st Qu.: 26.00
## Median :15.0    Median : 36.00
## Mean   :15.4    Mean    : 42.98
## 3rd Qu.:19.0    3rd Qu.: 56.00
## Max.   :25.0    Max.    :120.00
```

Play with the r code chunk options, echo=TRUE, include=FALSE, results='asis'

8 Figure from R code chunk

figure-from-r-code-chunk

You can also embed plots, for example:

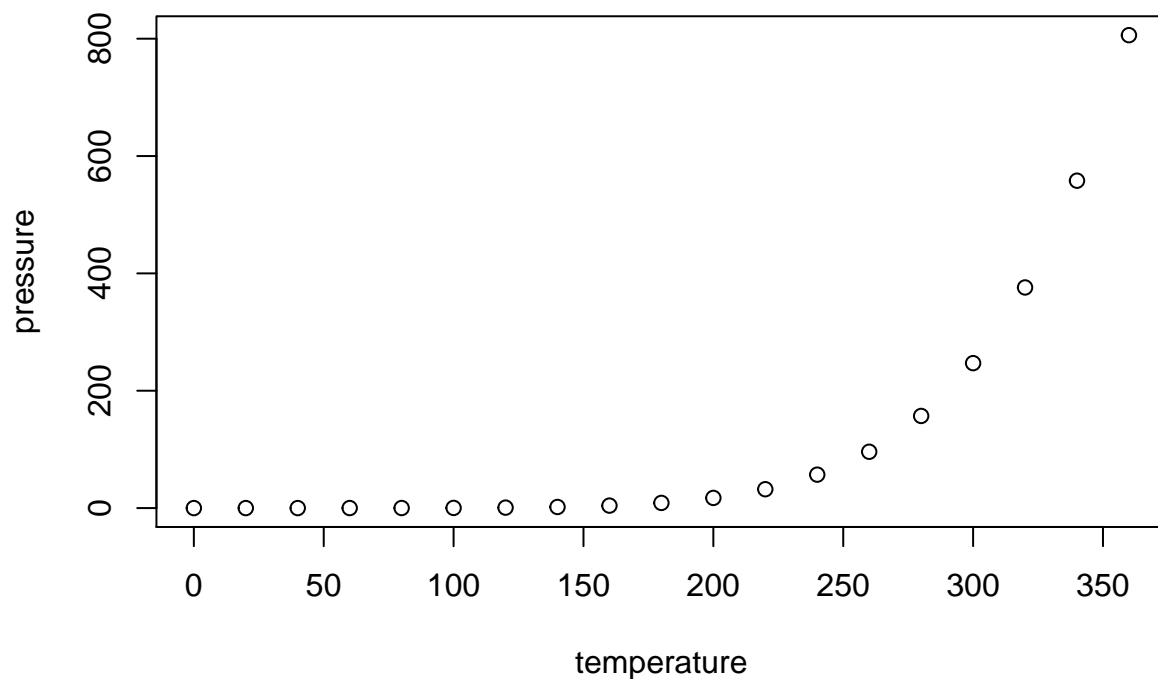


Figure 3: Figure of something at 40°10'. `fig:pressure`

81 Try changing the R chunk options above.
82 We can now reference Table [1](#).
83 Now, try putting the R code chunk within an HTML comment.

84 **10 Create your own table**

`create-you-own-table`

85 Either create a .csv file or copy one into the repo folder on your computer.
86 Now, create a table!

87 **11 Math mode**

`math-mode`

88 You can use LaTeX math mode both inline and for inserting equations. It's handy for using
89 inline math mode for management measure and lat/long.
90 Inline looks like this: $SPR_{40\%}$
91 Note the % sign has a space when used in math mode, but not in R markdown text.
92 To get degrees and minutes type: $40^{\circ}10'$

93 **References**

`references`

94 Love, M., Yoklavich, M., and Thorsteinson, L. 2002. The rockfishes of the northeast Pacific.
95 University of California Press, Berkeley, CA, USA.