

Workshop Examples

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Change some of the YAML settings to see what happens.

Notice, the down arrow at line 25. 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 Epmphasis (R markdown and LaTeX)

epmphasis-r-markdown-and-latex

28 *Sebastes*

29 *Sebastes*

30 *Sebastes*

31 ***Sebastes***

32 **Sebastes**

33 ***Sebastes***

34 2 Headers

headers

35 2.1 Subhead 2

subhead-2

36 2.1.1 Subhead 3

subhead-3

37 2.1.1.1 Subhead 4 | subhead-4

38 *Subhead 5*

39 3 Commenting

commenting

40 4 Links

links

41 [Github](#)

42 5 Lists

lists

43 R Markdown are finicky with spacing...

- 44 • Item 1
- 45 • Item 2
- 46 – Item 2a

47 – Item 2b

48 • Item 1

49 • Item 2

50 – Item 2a

51 – Item 2b

52 Bulleted list

53 • [Git](#)

54 • [R](#)

55 Numbered list

56 1. [Git](#)

57 2. [R](#)

58 6 References and Citations

references-and-citations

59 We can reference a document section, see Lists in Section [5](#).

60 Citations: (Love et al. [2002](#), [2002](#))

61 Love ([2002](#))

62 7 Figure from a file

figure-from-a-file

63 You can use any file extension, including PDFs



Figure 1: Here's my caption | `fig:fig_example`

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

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

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



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

8 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'

9 Figure from R code chunk

figure-from-r-code-chunk

You can also embed plots, for example:

This is inline math mode for Latex $40^{\circ}10'$

Note, you need extra `\s` when using LaTeX syntax within an R code chunk, or when inserting a backslash in R markdown. The same goes with percent signs and any other LaTeX reserved symbol. You can use a `% %`

We can now reference Figure 3. Note where this text ends up.

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

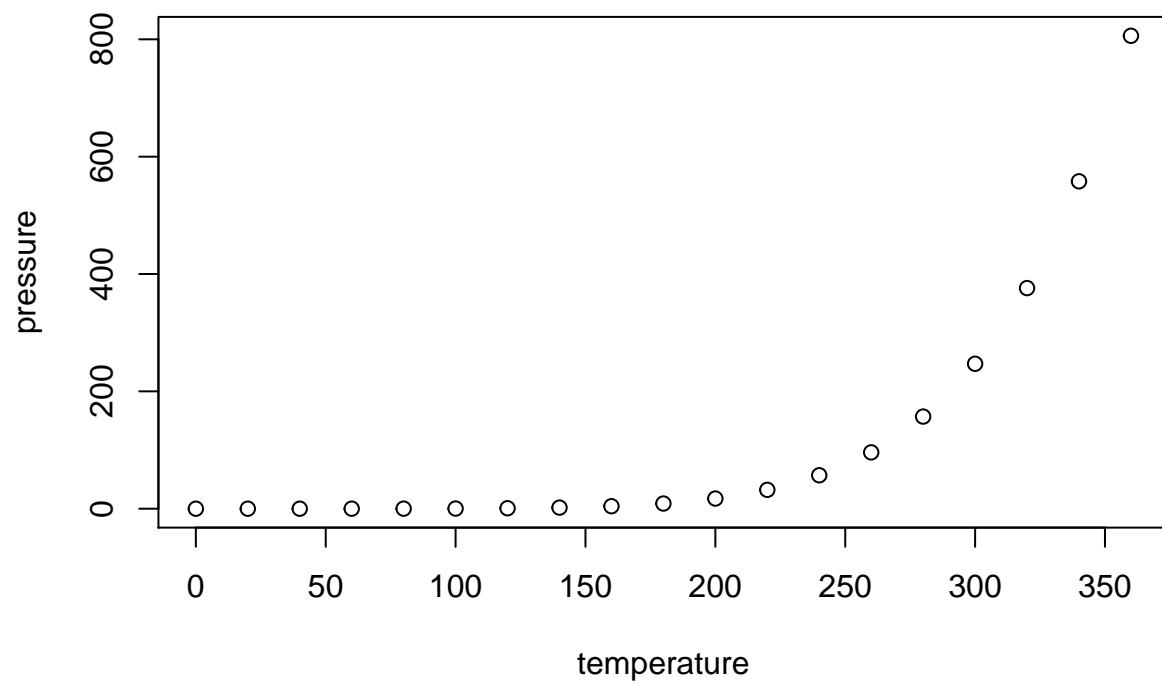


Figure 3: Figure of something at $40^{\circ}10'$. ^{fig:pressure}

10 Tables

tables

Table 1: This is where you write your caption

tab:Table_example										
Sample	Test1	Test2	Test3	Test4	Test5	Test6	Test7	Test8	Test9	Test10
1	333000000000	97	45	7169	5656	2642	8534	9173	230	2733
3	345	976	6	105	6382	2277	5848	7339495403	8613	5025
5	34	3333333333	7	2395	5632	5542	1645	380	1263	6728
7	234	34	46	5619	6063	8973	9362	1870	7651	683
9	234	0	45	6531	6824	3609	7627	3363	1534	8333

Try changing the R chunk options above.

We can now reference Table 1.

Now, try putting the R code chunk within and HTML comment.

11 Create you own table

create-you-own-table

Either create a .csv file or copy one into the repo folder on your computer.

Now, create a table!

12 Math mode

math-mode

You can use LaTeX math mode both inline and for inserting equations. It's handy for using inline math mode for management measure and lat/long.

Inline looks like this: $SPR_{40\%}$

Note the % sign has a when used in math mode, but not in R markdown text.

To get degrees and minutes type: $40^{\circ}10'$

References

references

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