



Subject Areas:

subject 1, subject 2, subject 3

Keywords:

one, two, optional, optional, optional

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Template for preparing your research report submission to Royal Society Open Science using RMarkdown

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City, State, Zip

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1. Insert A head here

This demo file is intended to serve as a “starter file”
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Place `\EndFirstPage` at the point where the plain
text on the first page stops. Warning: excess text will be
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contains line 1 to 19 in the code. Lines 14 to 17 are hidden
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(a) Insert B head here

Subsection text here.

(i) Insert C head here

Subsubsection text here.

Line 1
Line 2
Line 3
Line 4
Line 5
Line 6
Line 7
Line 8
Line 9
Line 10
Line 11
Line 12
Line 13

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source are credited.

Line 18
Line 19

2. Lists

- one
- two
- three
- fruits
 - apples
 - * macintosh
 - * red delicious
 - pears
 - peaches
- vegetables
 - broccoli
 - chard

(a) Citations

Blabla [1] blabla. Blabla [2] blabla. Blabla [1,3] blabla. Blabla [2,4–6] blabla.

(i) Headling level 3

Subsubsection text here.

3. R code

R code can be added as usual. Note that syntax highlighting is not available. Fig. 1 is an example.

```
#234567890123456789012345678901234567890123456789012345678901234567890123456789012345
#          10          20          30          40          50          60          70
summary(lm(mpg ~ disp, data = mtcars))
```

```
##
## Call:
## lm(formula = mpg ~ disp, data = mtcars)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -4.892 -2.202 -0.963  1.627  7.231
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  29.59985     1.22972   24.07  < 2e-16 ***
## disp        -0.04122     0.00471   -8.75  9.4e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 3.25 on 30 degrees of freedom
## Multiple R-squared:  0.718, Adjusted R-squared:  0.709
## F-statistic: 76.5 on 1 and 30 DF, p-value: 9.38e-10
```

```
##      mpg          cyl          disp          hp          drat          wt
##  Min.    :10.4    Min.    :4.00    Min.    : 71.1    Min.    : 52.0    Min.    :2.76    Min.    :1.
```

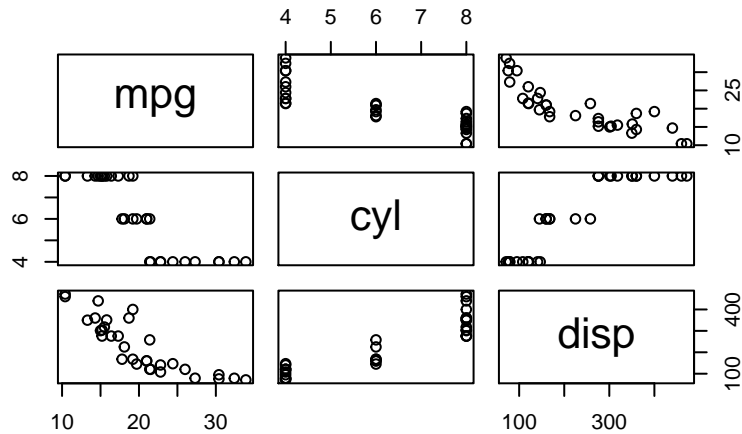


Figure 1. The caption

##	1st Qu.:15.4	1st Qu.:4.00	1st Qu.:120.8	1st Qu.: 96.5	1st Qu.:3.00	1st Qu.:2.00
##	Median :19.2	Median :6.00	Median :196.3	Median :123.0	Median :3.00	Median :3.00
##	Mean :20.1	Mean :6.19	Mean :230.7	Mean :146.7	Mean :3.00	Mean :3.00
##	3rd Qu.:22.8	3rd Qu.:8.00	3rd Qu.:326.0	3rd Qu.:180.0	3rd Qu.:3.00	3rd Qu.:3.00
##	Max. :33.9	Max. :8.00	Max. :472.0	Max. :335.0	Max. :4.00	Max. :5.00
##	qsec	vs	am	gear	carb	
##	Min. :14.5	Min. :0.000	Min. :0.000	Min. :3.00	Min. :1.00	
##	1st Qu.:16.9	1st Qu.:0.000	1st Qu.:0.000	1st Qu.:3.00	1st Qu.:2.00	
##	Median :17.7	Median :0.000	Median :0.000	Median :4.00	Median :2.00	
##	Mean :17.8	Mean :0.438	Mean :0.406	Mean :3.69	Mean :2.81	
##	3rd Qu.:18.9	3rd Qu.:1.000	3rd Qu.:1.000	3rd Qu.:4.00	3rd Qu.:4.00	
##	Max. :22.9	Max. :1.000	Max. :1.000	Max. :5.00	Max. :8.00	

Ethics. Please provide details on the ethics.

Data Accessibility. Please provide details on the data availability.

Authors' Contributions. Please provide details of author contributions here.

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References

1. Lannes D. 2013 *The Water Waves Problem: Mathematical Analysis and Asymptotics*. Mathematical Surveys and Monographs. Providence, RI: American Mathematical Society.
2. Hur VM, Johnson MA. 2015 Modulational instability in the Whitham equation for water waves. *Stud. Appl. Math.* **134**, 120–143.
3. Benjamin TB, Feir JE. 1967 The disintegration of wave trains on deep water. Part 1. Theory. *J. Fluid Mech.* **27**, 417–437.
4. Benjamin TB, Hasselmann K. 1967 Instability of Periodic Wavetrains in Nonlinear Dispersive Systems [and Discussion]. *Proc. R. Soc. Lond. Ser. A Math. Phys. Eng. Sci.* **299**, 59–76.

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