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PAPER

Template for Oxford University Press papers

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Abstract

This is the first paragraph of the abstract. It has several sentences making it go over several lines. For this it needs to have a lot of text.
This is the second paragraph.
Motivation: You can also have some paragraphs start with bold face.

Key words: keyword1; keyword2; keyword3

1. Introduction

This template is based on the generic OUP authoring template available on CTAN under oup-authoring-template. The CTAN template includes LaTeX documentation and a sample LaTeX document that provide far more details regarding the full functionality of the format. Here, only the basic functioning of the Rmarkdown adaptation of the format is demonstrated.

1.1. A subsection

A numbered list:

1) First point
2) Second point
    - Subpoint

A bullet list:

- First point
- Second point

1.2. Notes

- Extra white space in document will tend to disappear as text is filled in.
- Code blocks tend to generate lots of empty white space when `echo=TRUE` for some reason.

2. Literature citations

By default, citations are handled by `natbib` using a numeric citation format. To use name-date citations, sets `namedate: TRUE` in the YAML header.

Here are two sample references:

- **author (year) example:** Horvath and Raj (2018) showed some really cool things. Only seems to work properly if `namedate: TRUE`.
- **(author year) example:** This is a well known result (Ji et al., 2013).

The bibliography will appear at the end of the document.

Though not normally available in the OUP LaTeX format, CSL style files can also be used with the Rmarkdown adaptation by setting in the YAML header `citation_package: "default"` and defining the `csl` element to be the path towards the style file.

3. Equations

An equation without a label for cross-referencing:

$$E = mc^2$$

An inline equation: $y = ax + b$

An equation with a label for cross-referencing:

$$\int_0^{r_2} F(r, \varphi) \mathrm{d}r \, \mathrm{d}\varphi = 1 \tag{1}$$

This equation can be referenced as follows: Eq. 1

4. Inserting R figures

The code below creates a figure. The code is included in the output because `echo=TRUE`.

```
plot(1:10,main="Some data",xlab="Distance (cm)",
     ylab="Time (hours)")
```

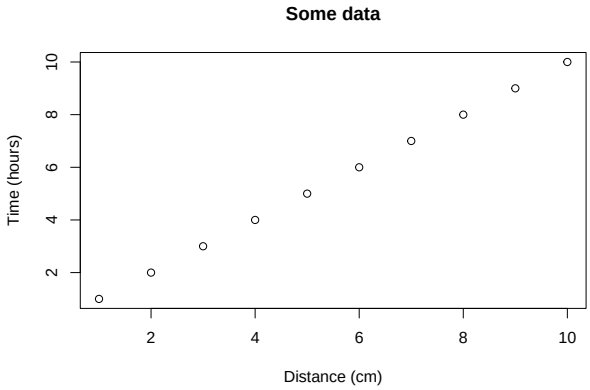

Fig. 1. This is the first figure.

You can reference this figure as follows: Fig. 1.

4.1. Figures spanning two-columns

Figures can span two columns be setting `fig.env="figure*"`.

Reference to second figure: Fig. 2

5. Tables

5.1. Generate a table using `xtable`

Table 1. This is a xtable table.

	ID	code
1	1	a
2	2	b
3	3	c

You can reference this table as follows: Table 1.

```
df = data.frame(ID=1:3,code=letters[1:3])

# Creates tables that follow OUP guidelines
# using xtable
library(xtable)
print(xtable(df,caption="This is a xtable table.",
             label="tab:tab1"),
      comment=FALSE,caption.placement="top")
```

5.2. Generate a table using `kable`

Table 2. This is a kable table.

ID	code
1	a
2	b
3	c

```
df = data.frame(ID=1:3,code=letters[1:3])

# kable can alse be used for creating tables
knitr::kable(df,caption="This is a kable table.",
             booktabs=TRUE,label="tab2")
```

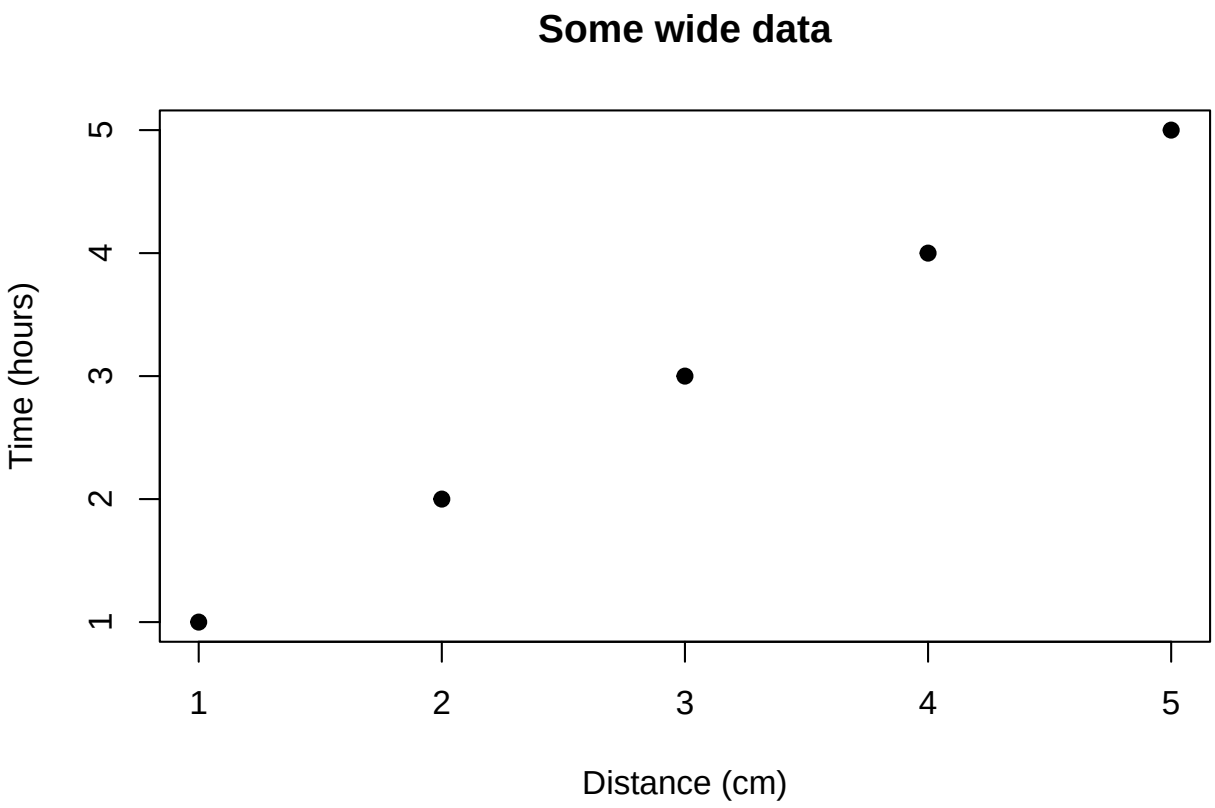

Fig. 2. This is a wide figure.

Table 3. This is a wide kable table.

ID	code1	code2	code3	code4	code5
1	a	d	g	j	m
2	b	e	h	k	n
3	c	f	i	l	o

You can reference this table as follows: Table 2.

5.3. Table spanning two columns

Tables can span two columns be setting `table.envir = "table*"` in `knitr::kable`.

```
df = data.frame(ID=1:3,code1=letters[1:3],
                code2=letters[4:6],
                code3=letters[7:9],
                code4=letters[10:12],
                code5=letters[13:15])

# kable can alse be used for creating tables
knitr::kable(df,caption="This is a wide kable table.",
             #format="latex",
             table.envir="table*",
             booktabs=TRUE,label="tab3")
```

6. Cross-referencing sections

You can cross-reference sections and subsections as follows: Section 2 and Section 1.1.

Note: the last section in the document will be used as the section title for the bibliography.

For more portable and flexible referencing of sections, equations, figures and tables, use `bookdown::pdf_document2` with YAML header option `base_format: rticles::oup_article`.

Appendices

A. Section title of first appendix

blabla

A.1. Subsection title of first appendix

and so on. . . .

7. Competing interests

There are no competing interest.

8. Author contributions statement

AA did all the work. The others are just freeloaders.

9. Acknowledgments

This is an acknowledgement.

It consists of two paragraphs.

References

S. Horvath and K. Raj. DNA methylation-based biomarkers and the epigenetic clock theory of ageing. *Nature Reviews Genetics*, 19(6):371–384, June 2018. ISSN 1471-0064. doi: 10.1038/s41576-018-0004-3.

S. Ji, W. Xu, M. Yang, and K. Yu. 3D Convolutional Neural Networks for Human Action Recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 35(1):221–231, Jan. 2013. ISSN 1939-3539. doi: 10.1109/TPAMI.2012.59.

Alice Anonymous A promising young researcher working on her thesis project.