

RESEARCH ARTICLE

Heterogeneity in Physician Test Ordering Practices: Batched vs. Sequentially Ordering Diagnostic Tests

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KEYWORDS:

Diagnostic Testing; Emergency Department; Operational Efficiency;

1 | THE BODY OF THE ARTICLE

1.1 | Mathematics

Use mathematics in Rmarkdown as usual.

1.2 | Figures and Tables

Figures are supported from R code:

```
x = rnorm(10)
y = rnorm(10)
plot(x, y)
```

...and can be referenced (Figure 1) by including the `\\label{}` tag in the `fig.cap` attribute of the R chunk: `fig.cap = "Fancy Caption\\label{fig:plot}"`. It is a quirky hack at the moment, see here.

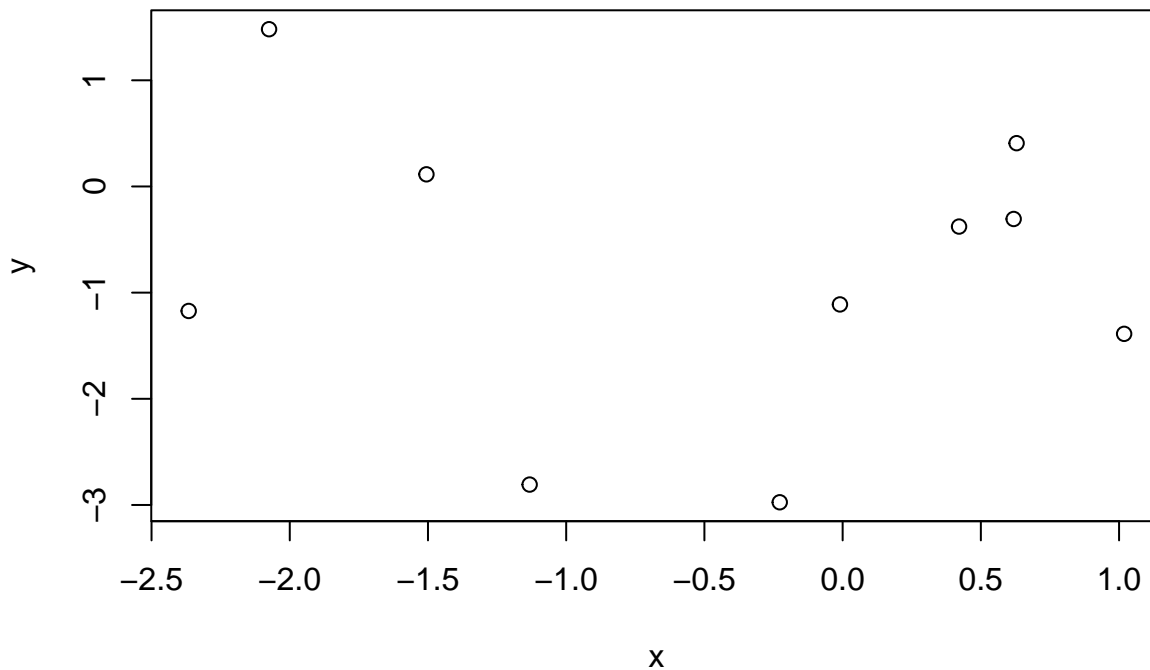


FIGURE 1 Fancy Caption

Analogously, use Rmarkdown to produce tables as usual:

```
if (!require("xtable")) install.packages("xtable")

## Loading required package: xtable

xt <- xtable(head(cars), caption = "A table", label = "tab:table")
print(xt, comment = FALSE)
```

	speed	dist
1	4.00	2.00
2	4.00	10.00
3	7.00	4.00
4	7.00	22.00
5	8.00	16.00
6	9.00	10.00

TABLE 1 A table

Referenced via 1. You can also use the YAML option header-`includes` to includes custom \LaTeX packages for tables (keep in mind that pandoc uses `longtables` by default, and it is hardcoded; some things may require including the package `longtable`). E.g., using `ctable`:

```
header-includes:
- \usepackage{ctable}
```

Then, just write straight-up \LaTeX code and reference is as usual (`\ref{tab:ctable}`):

```
\ctable[cap = {Short caption},
  caption = {A long, long, long, long, long caption for this table.},
  label={tab:ctable},]
{cc}
{
  \tnote[ $\ast$ ]{Footnote 1}
  \tnote[ $\dagger$ ]{Other footnote}
  \tnote[b]{Mistakes are possible.}
}{
  \FL
  COL 1\tmark[a] & COL 2\tmark[ $\ast$ ]
  \ML
  6.92\tmark[ $\dagger$ ] & 0.09781 \\
  6.93\tmark[ $\dagger$ ] & 0.09901 \\
  97 & 2000
  \LL
}
```

It is also possible to set the YAML option `longtable: true` and use markdown tables (or the `knitr::kable` function): `knitr::kable(head(cars))` produces the same table as the `xtable` example presented before.

1.3 | Cross-referencing

The use of the Rmarkdown equivalent of the \LaTeX cross-reference system for figures, tables, equations, etc., is encouraged (using `[@<name>]`, equivalent of `\ref{<name>}` and `\label{<name>}`). That works well for citations in Rmarkdown, not so well for figures and tables. In that case, it is possible to revert to standard \LaTeX syntax.

1.4 | Double Spacing

If you need to double space your document for submission please use the `doubleSPACE` option in the header.

2 | BIBLIOGRAPHY

Link a `.bib` document via the YAML header, and bibliography will be printed at the very end (as usual). The default bibliography style is provided by Wiley as in `WileyNJD-AMA.bst`, do not delete that file.

Use the Rmarkdown equivalent of the \LaTeX citation system using `[@<name>]`. Example: ^{1, 2,3}.

To include all citation from the `.bib` file, add `\nocite{*}` before the end of the document.

3 | FURTHER INFORMATION

All \LaTeX environments supported by the main template are supported here as well; see the `.tex` sample file here for more details and example.

References

1. Taylor G, Green A. Mechanism of the production of small eddies from large ones. *P Roy Soc Lond A Mat* 1937; 158(895): 499–521.
2. Knupp P. Winslow smoothing on two-dimensional unstructured meshes. *Eng Comput* 1999; 15: 263–268.
3. Kamm J. Evaluation of the Sedov-von Neumann-Taylor blast wave solution. Tech. Rep. Technical Report LA-UR-00-6055, Los Alamos National Laboratory; 2064 Derek Drive, Cuyahoga Falls, Ohio: 2000.

