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# A Quarto extension for Sage journals

My SAGE Journal  
XX(X):1–5  
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SAGE

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## Abstract

This document is a template for the sagej extension. It also documents the extension itself, and discusses common usage options.

## Keywords

template, demo

## Introduction

SAGE Publishing publishes more than 1,000 journals. The company has developed a  $\text{\LaTeX}$  template for its journals. This template can be found at [the official site](#) or via [Overleaf](#). Although the provision of a  $\text{\LaTeX}$  template can reduce the time spent preparing a manuscript, this template needs to be reworked in order to work with other document production systems which sit on top of  $\text{\LaTeX}$  and make  $\text{\LaTeX}$  more user-friendly. Quarto is one such system. This document describes a SAGE template for Quarto which builds upon the existing  $\text{\LaTeX}$  template.

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I have produced this template for my own use, and I cannot make any guarantees about its reliability or suitability for your needs. I have tested it for a submission I am preparing, but have not tested it beyond that. I note some limitations below, some of which relate to the underlying LaTeX template, and some of which are specific to the interaction of Quarto and LaTeX.

## What you need to know

When creating a document you will typically want to list a title and one or more authors. Although the specification of author details in Quarto can be complicated, this template does not use all of that complexity, and uses only the `affiliations` and `email` fields. “Corresponding authors”, for whom a full contact details are printed, have an additional `note` attribute.

Other common fields (`abstract`, `thanks`, `keywords` and `bibliography`) are also supported. Thanks appear at the end of the document.

## Class options

The default class options will work for many journals. However, some journals may require further customization. The SAGE journal class allows for several different options relating to paper size and formatting style. The options for page size are:

- `shortAfour` [210 x 280mm, 10pt, two-column]
- `Afour` [210 x 297mm, 10pt, , two-column]
- `MCfour` [189 x 246mm, 10pt, , two-column]
- `PCfour` [170 x 242mm, 10pt, , two-column]
- `Royal` [156 x 234mm, 10pt, single-column]
- `Crown` [7.25 x 9.5in, 10pt, single-column]
- `Review` [156 x 234mm, 12pt, single-column]

The options for bibliography are:

- `sageh` (SAGE Harvard style (author-year))
- `sagev` (SAGE Vancour style (superscript numbers))
- `sageapa` (APA style (author-year))

The default options are `Afour` and `sageh`. The document class options shown in the template also specify `times`, which sets the main font to Times New Roman and the section font to Helvetica. Note that the double column option layout can be very cramped, and so authors who use tables or figures may wish to take particular care in formatting these. At the moment the default `longtable` environment (used by Quarto to set most tables) is turned into a figure, following a trick used for the Elsevier journals template.\* This can lead to sections of content disappeared as they are obscured by the figure environment. This is a particular risk where tables appear on the first page.

### *Details of implementation*

The template follows some of the restrictions which apply to the existing Sage template. The  $\text{\LaTeX}$  engine is set to `pdflatex` rather than the more modern `xelatex`, and so some font features may not be available. Similarly, `natbib` and bibliography style files (`.bst`) are used to process references rather than more modern systems which use CSL. References are otherwise unaffected (Cameron and Trivedi 2013; Hanretty 2022).

Some features of the  $\text{\LaTeX}$  template – author biographies, declarations of competing interests, and funding declarations – are not supported.

### *Example table*

Often authors want to use Quarto because it allows for literate programming, and articles which change when the analysis changes. Here's an example table put together with the `modelsummary` package (Arel-Bundock 2022).

Table support in two column layouts is extremely brittle, and you may find that portions of content disappear when you are trying to fit multiple tables in a single page.

### *Example figure*

I also include an example figure, Figure 1. This figure comes in one column output. This is achieved by setting the `fig.env` option in the

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\* See <https://github.com/quarto-journals/elsevier>

**Table 1.** Modelsummary output

	OLS	Poisson
(Intercept)	7948.667 (2078.276)	8.241 (0.006)
Literacy	−39.121 (37.052)	0.003 (0.000)
Clergy	15.257 (25.735)	
Commerce		0.011 (0.000)
Num.Obs.	86	86
R2	0.020	
R2 Adj.	−0.003	
AIC	1740.8	274 160.8
BIC	1750.6	274 168.2
Log.Lik.	−866.392	−137 077.401
F	0.866	18 294.559
RMSE	5740.99	5491.61

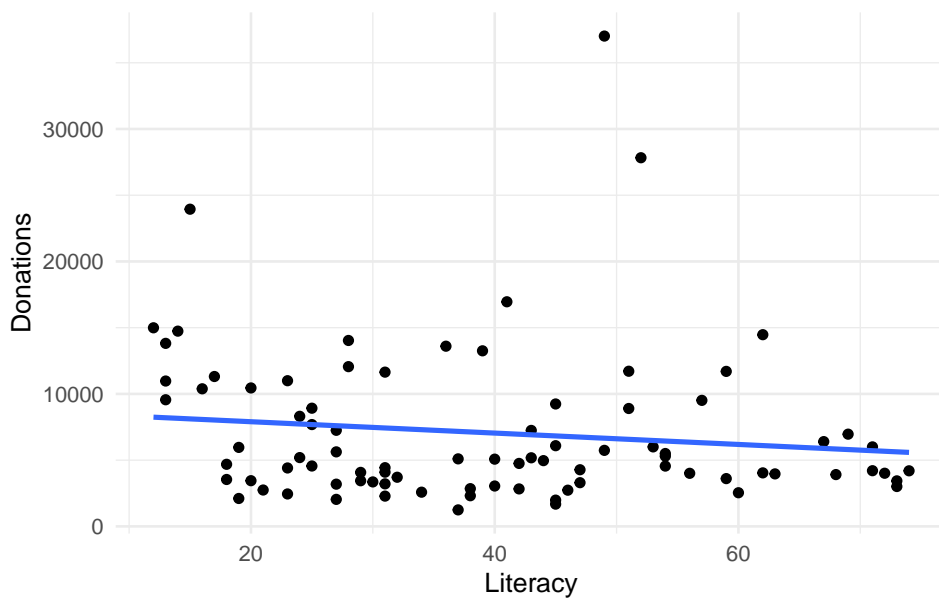
relevant R chunk. If you have a beautiful gem of a figure which looks good in two-column mode, you need only delete this line in the source code.

**TO-DO**

- Handle running headers
- Handle blinding (comment out for the moment)
- Handle other sections (funding, etc.,)

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**Figure 1.** Example figure using the same data

## References

- Arel-Bundock V (2022) modelsummary: Data and model summaries in R. *Journal of Statistical Software* 103(1): 1–23. DOI:10.18637/jss.v103.i01.
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