

Creating custom quarto templates

Rob J Hyndman

23 October 2024



Letter template



MONASH
BUSINESS
SCHOOL

9 October 2024

Hypatia
University of Alexandria
Egypt

Dear Hypatia

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Nullam eget dapibus quam, sit amet sagittis magna. Nam tincidunt, orci ac imperdiet ultricies, neque metus ultrices quam, id gravida augue lacus ac leo.

Vestibulum id sodales lectus, sed scelerisque quam. Nullam auctor mi et feugiat commodo. Duis interdum imperdiet nulla, vitae bibendum eros placerat non. Cras ornare, risus in faucibus malesuada, libero sem fringilla quam, ut luctus enim sapien eget dolor.

Sincerely

PS: Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Pierre Curie, Nobel Prize, PhD
Professor
Department of Econometrics & Business Statistics
Monash University, Victoria 3800, Australia.

Pierre.Curie@monash.edu +61 3 9905 5555 curie.com
ABN: 12 377 654 012 CRICOS Provider Number: 00068C



Letter template



9 October 2024

Hypatia
University of Alexandria
Egypt

Dear Hypatia

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin mollis dolor vitae tristique eleifend. Quisque non ipsum sit amet velit malesuada consectetur. Praesent vel facilisis leo. Sed facilisis varius orci, ut aliquam lorem malesuada in. Morbi nec purus at nisi fringilla varius non ut dui. Pellentesque bibendum sapien velit. Nulla purus justo, congue eget enim a, elementum sollicitudin eros. Cras porta augue ligula, vel adipiscing odio ullamcorper eu. In tincidunt nisi sit amet tincidunt tincidunt. Maecenas elementum neque eget dolor egas **fringilla**:

Nullam eget dapibus quam, sit amet sagittis magna. Nam tincidunt, orci ac imperdiet ultricies, neque metus ultrices quam, id gravida augue lacin ac leo.

Vestibulum id sodales lectus, sed scelerisque quam. Nullam auctor mi et feugiat commodo. Duis interdum imperdiet nulla, vitae bibendum eros placerat non. Cras ornare, risus in faucibus malesuada, libero sem fringilla quam, ut luctus enim sapien eget dolor.

Sincerely

PS: Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Pierre Curie, Nobel Prize, PhD
Professor
Department of Econometrics & Business Statistics
Monash University, Victoria 3800, Australia

Pierre.Curie@monash.edu +61 3 9905 5555 curie.com
ABN: 12 377 654 012 CRICOS Provider Number: 00060C

MONASH
BUSINESS
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author: Pierre Curie

qualifications: Nobel Prize, PhD

position: Professor

www: curie.com

email: Pierre.Curie@monash.edu

phone: +61 3 9905 5555

signature: sigfile.png

address:

- Hypatia

- University of Alexandria

- Egypt

opening: "Dear Hypatia"

closing: "Sincerely"

linestretch: 1.4

ps: "PS. Lorem ipsum dolor sit amet, *consectetur*
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Memo template



MONASH
BUSINESS
SCHOOL

Note to self

Marie Curie

14 October 2024

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Memo template



MONASH
University

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Marie Curie

14 October 2024

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title: Note to self
author: Marie Curie
branding: true
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Memo template

Note to self

Marie Curie

14 October 2024

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Nullam egestas dapibus quam, sit amet sagittis magna. Nam tincidunt, orci ac imperdiet ultricies, neque metus ultrices quam, id gravida augue lacinia ac leo.

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title: Note to self
author: Marie Curie
branding: false
linestretch: 1.3
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Report template



**Expert advice from
experts**

Professor Marie Curie
Nobel Prize, PhD

Dr Pierre Curie
Nobel Prize, PhD

MONASH
BUSINESS
SCHOOL

Department of
Econometrics &
Business Statistics

Call: (03) 9905 2478
Email: BusEco-Econometrics@monash.edu

ABN: 12 377 614 012

Report for
Acme Corporation

9 October 2024



Report template



**Expert advice from
experts**

Professor Marie Curie
Nobel Prize, PhD

Dr Pierre Curie
Nobel Prize, PhD

Report for
Acme Corporation

9 October 2024

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Department of
Econometrics &
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(03) 9905 2478
BusEco-Econometrics@monash.edu

ABN: 12 377 614 012



```
title: "Expert advice from experts"
author:
- name: Professor Marie Curie
  degrees: Nobel Prize, PhD
  email: mcurie.notreal@gmail.com
- name: Dr Pierre Curie
  degrees: Nobel Prize, PhD
  phone: (03) 9905 2478
  email: BusEco-Econometrics@monash.edu
organization: Acme Corporation
bibliography: references.bib
format: report-pdf
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Report template

Expert advice from experts

1 Introduction

In a famous paper, Box & Cox (1964) introduced a family of transformations ...

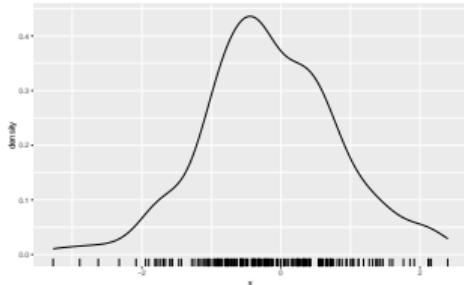


Figure 1: Simulated data from a $N(0,1)$ distribution.

Figure 1 shows a kernel density estimate of simulated data from a $N(0,1)$ distribution. The sample variance is given by

$$s^2 = \frac{1}{n-1} \sum_{i=1}^n (x_i - \bar{x})^2 = 0.98. \quad (1)$$

Note that Equation 1 is an unbiased estimate of the variance, but it is not the maximum likelihood estimate (Rice 2007, p. 269).

References

- Box, GEP & DR Cox (1964). An analysis of transformations. *Journal of the Royal Statistical Society, Series B* 26(2), 211–252.
Rice, JA (2007). *Mathematical Statistics and Data Analysis*. 3rd edition. Duxbury.

title: "Expert advice from experts"

author:

- **name:** Professor Marie Curie

degrees: Nobel Prize, PhD

email: mcurie.notreal@gmail.com

- **name:** Dr Pierre Curie

degrees: Nobel Prize, PhD

phone: (03) 9905 2478

email: BusEco-Econometrics@monash.edu

organization: Acme Corporation

bibliography: references.bib

format: report-pdf

Exam template



Semester One 2024
Examination Period

Faculty of Business & Economics

UNIT CODES: ETC0000
TITLE OF PAPER: Advanced Bean Counting
EXAM DURATION: 2 hours 10 minutes

AUTHORISED MATERIALS

This is a closed book exam, with the following permitted items.

- A physical calculator of any type or Virtual Calculator:
 - Inbuilt Mac/Windows calculator
 - Website <https://www.edu calc.net/2336211.page>
 - 10bit Financial Calculator for Mac by K2 Cashflow, <https://apps.apple.com/au/app/10bit-financial-calculator/id473144920>
- 5 blank pages for use as working sheets
- 2 pre-printed answer sheets

RULES

During your eExam, you must not have in your possession any item/material that has not been authorised for your exam. This includes books, notes, paper, electronic device/s, smart watch/device, or writing on any part of your body. Authorised items are listed above. Items/materials on your device, desk, chair, in your clothing or otherwise on your person will be deemed to be in your possession. Mobile phones must be switched off and placed face-down on your desk during your exam attempt.

You must not retain, copy, memorise or note down any exam content for personal use or to share with any other person by any means during or following your exam. You are not allowed to copy/paste text to or from external sources unless this has been authorised by your Chief Examiner.

You must comply with any instructions given to you by Monash exam staff.

As a student, and under Monash University's Student Academic Integrity procedure, you must undertake all your assessments with honesty and integrity. You must not allow anyone else to do work for you and you must not do any work for others. You must not contact, or attempt to contact, another person in an attempt to gain unfair advantage during your assessment. Assessors may take reasonable steps to check that your work displays the expected standards of academic integrity.

Failure to comply with the above instructions, or attempting to cheat or cheating in an assessment may constitute a breach of instructions under regulation 23 of the Monash University (Academic Board) Regulations or may constitute an act of academic misconduct under Part 7 of the Monash University (Council) Regulations.

Exam template



Semester One 2024
Examination Period

Faculty of Business & Economics

UNIT CODES: ETC0000
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 - Inbuilt Mac/Windows calculator
 - Website <https://www.edu calc.net/2336211.page>
 - 10bit Financial Calculator for Mac by K2 Cashflow, <https://apps.apple.com/au/app/10bit-financial-calculator/id473144920>
- 5 blank pages for use as working sheets
- 2 pre-printed answer sheets

RULES

During your eExam, you must not have in your possession any item/material that has not been authorised for your exam. This includes books, notes, paper, electronic device/s, smart watch/device, or writing on any part of your body. Authorised items are listed above. Items/materials on your device, desk, chair, in your clothing or otherwise on your person will be deemed to be in your possession. Mobile phones must be switched off and placed face-down on your desk during your exam attempt.

You must not retain, copy, memorise or note down any exam content for personal use or to share with any other person by any means during or following your exam. You are not allowed to copy/paste text to or from external sources unless this has been authorised by your Chief Examiner.

You must comply with any instructions given to you by Monash exam staff.

As a student, and under Monash University's Student Academic Integrity procedure, you must undertake all your assessments with honesty and integrity. You must not allow anyone else to do work for you and you must not do any work for others. You must not contact, or attempt to contact, another person in an attempt to gain unfair advantage during your assessment. Assessors may take reasonable steps to check that your work displays the expected standards of academic integrity.

Failure to comply with the above instructions, or attempting to cheat or cheating in an assessment may constitute a breach of instructions under regulation 23 of the Monash University (Academic Board) Regulations or may constitute an act of academic misconduct under Part 7 of the Monash University (Council) Regulations.

unitcode: ETC0000
unittitle: "Advanced Bean Counting"
duration: 2 hours 10 minutes
semester: Semester One 2024
examperiod: Examination Period
format: exam-pdf

Exam template

The exam contains FIVE questions. ALL questions must be answered. The exam is worth 100 marks in total.

SECTION A

Show that the following expression is the MLE for the variance assuming a Gaussian distribution.

$$\sigma^2 = \frac{1}{n} \sum_{i=1}^n (x_i - \bar{x})^2$$

20 marks

Total: 20 marks

unitcode: ETC0000

unittitle: "Advanced Bean Counting"

duration: 2 hours 10 minutes

semester: Semester One 2024

examperiod: Examination Period

format: exam-pdf

Exam template

SECTION B

Second question.

(a) Part a.

4 marks

(b) More stuff.

10 marks

(c) Final part.

6 marks

Total: 20 marks

unitcode: ETC0000

unittitle: "Advanced Bean Counting"

duration: 2 hours 10 minutes

semester: Semester One 2024

examperiod: Examination Period

format: exam-pdf

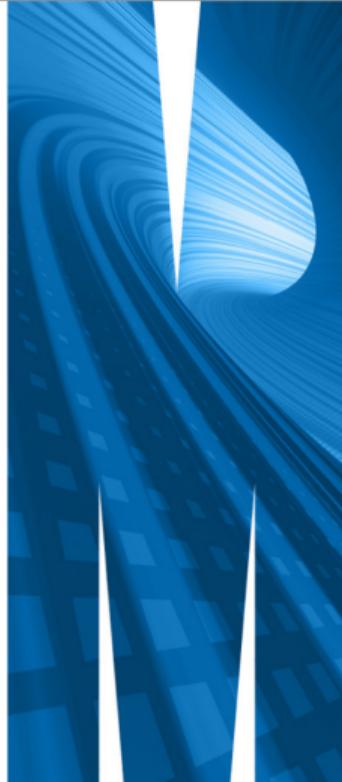
Presentation template



My great presentation with a title that is far too long

Hypatia of Alexandria

15 June 2024



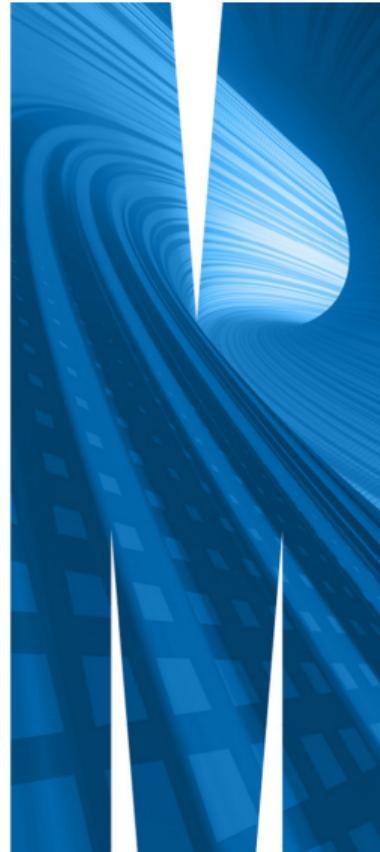
Presentation template



**My great presentation
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long**

Hypatia of Alexandria

15 June 2024



Presentation template



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Hypatia of Alexandria

15 June 2024

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author: Hypatia of Alexandria
date: today
toc: true
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  presentation-revealjs+letterbox: default
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Presentation template



My great presentation with a title that is far too long

Hypatia of Alexandria

14 October 2024

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author: Hypatia of Alexandria
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Presentation template



MONASH
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My great presentation with a title that is far too long

Hypatia of Alexandria

14 October 2024

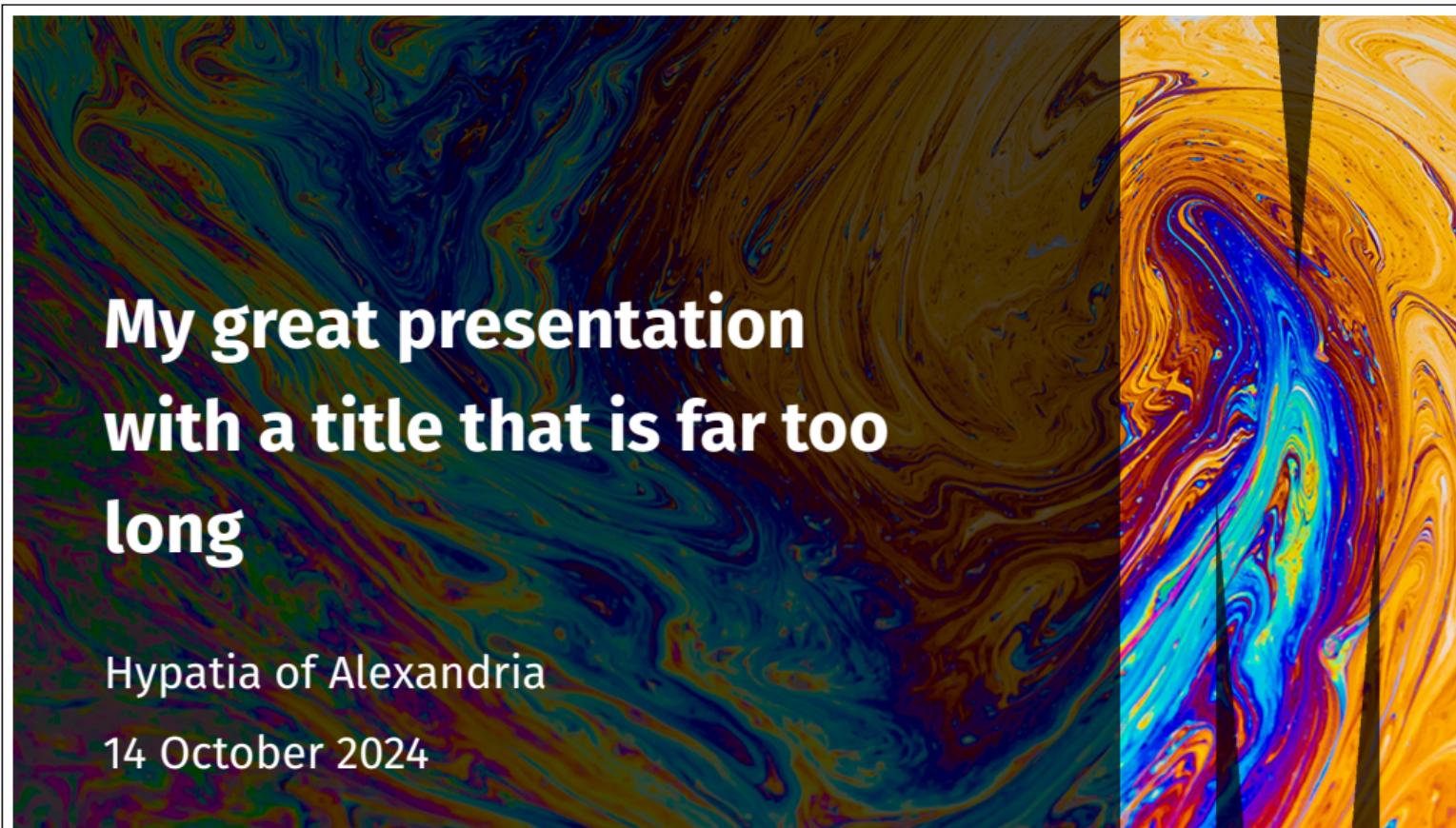


Presentation template

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Hypatia of Alexandria

14 October 2024



Working paper template



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ISSN 1440-771X

Department of Econometrics and Business Statistics

<http://monash.edu/business/ebs/research/publications>

Our great idea

Marie Curie, Genghis Khan, Monique Ash

May 2024

Working Paper no./yr



Working paper template



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ISSN 1440-771X

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Our great idea

Marie Curie, Genghis Khan, Monique Ash

May 2024

Working Paper no/yr



title: "Our great idea"

author:

- **name:** Marie Curie

affiliations:

- **name:** University of Paris

department: Department of Radiation

city: Paris

country: France

postal-code: PX2039

email: mcurie.notreal@gmail.com

corresponding: true

- **name:** Genghis Khan

affiliations:

- **name:** Monash University

department: Department of Econometrics & Business

city: Clayton VIC

country: Australia

postal-code: 3800

- **name:** Monique Ash

email: Monique.Ash@monash.edu

abstract: |

Working paper template

Our great idea

Marie Curie
Department of Radiation
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Paris PX2039
France
Email: mcurie.notreal@gmail.com
Corresponding author

Genghis Khan
Department of Econometrics & Business Statistics
Monash University
Clayton VIC 3800
Australia

Monique Ash
Email: Monique.Ash@monash.edu

28 May 2024

JEL classification: C10,C14,C22

```
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```

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title: "Our great idea"
author:
- name: Marie Curie
  affiliations:
    - name: University of Paris
      department: Department of Radiation
      city: Paris
      country: France
      postal-code: PX2039
      email: mcurie.notreal@gmail.com
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- name: Genghis Khan
  affiliations:
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      department: Department of Econometrics & Business Statistics
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- name: Monique Ash
  email: Monique.Ash@monash.edu
abstract: |
```

Working paper template

Our great idea

Marie Curie
Department of Radiation
University of Paris
Paris 752039
France
Email: mcurre.noreal@gmail.com
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      country: Australia
      postal-code: 3800
- name: Monique Ash
  email: Monique.Ash@monash.edu
abstract: |
  A brief summary of our ideas
keywords: [blah, blah]
bibliography: references.bib
wpnumber: no/yr
jelcodes: C10,C14,C22
blind: false
cover: true
linestretch: 1.5
format:
  wp-pdf: default
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Working paper template

Our great idea

Abstract

A brief summary of our ideas

Keywords: blah; blah.

1 Introduction

In a famous paper, Box & Cox (1964) introduced a family of transformations ...

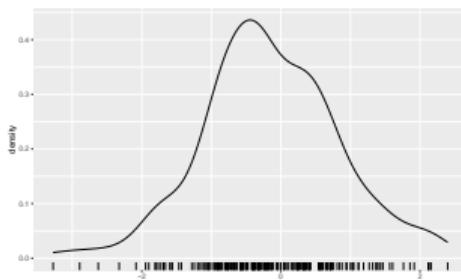


Figure 1: Simulated data from a $N(0,1)$ distribution.

Figure 1 shows a kernel density estimate of simulated data from a $N(0,1)$ distribution. The sample variance is given by

$$\hat{s}^2 = \frac{1}{n-1} \sum_{i=1}^n (x_i - \bar{x})^2 = 0.98. \quad (1)$$

Note that Equation 1 is an unbiased estimate of the variance, but it is not the maximum likelihood estimate (Rice 2007, p. 269).

New paragraph.

```
- name: Genghis Khan
  affiliations:
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      country: Australia
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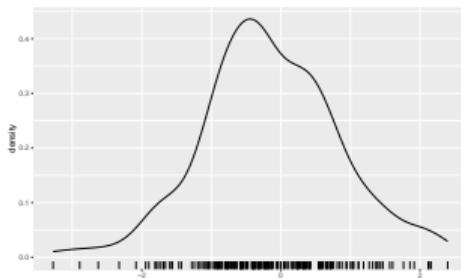


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```

Change format: wp-pdf to
■ arxiv-pdf for arXiv
■ a quarto journal format when submitting.

Journal articles

Our great idea

Abstract

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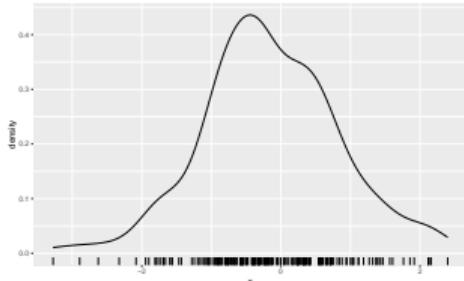


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abstract:

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keywords: [blah, blah]

bibliography: references.bib

wpnumber: no/yr

jelcodes: C10,C14,C22

blind: false

cover: true

linestretch: 1.5

format:

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Journal articles

Our great idea

Marie Curie^{a,*}, Genghis Khan^b, Monique Ash

^aUniversity of Paris, Department of Radiation, Somewhere, Paris, France, PX2039

^bMonash University, Department of Econometrics & Business Statistics, Clayton VIC, Australia, 3800

Abstract

A brief summary of our ideas

Keywords: blah, blah

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In a famous paper, [Box and Cox \(1964\)](#) introduced a family of transformations ...

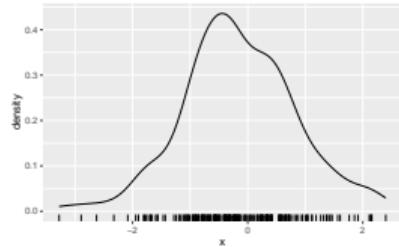


Figure 1: Simulated data from a $N(0,1)$ distribution.

Figure 1 shows a kernel density estimate of simulated data from a $N(0,1)$ distribution. The sample variance

*Corresponding author
Email address: marie.curie@gmail.com (Marie Curie), [Monique Ash](mailto:Monique.Ash@monash.edu) (Monique Ash)

abstract: |

A brief summary of our ideas

keywords: [blah, blah]

bibliography: references.bib

wpnumber: no/yr

jelcodes: C10,C14,C22

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linestretch: 1.5

format:

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name: International Journal of Forecasting

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cite-style: authoryear

Journal articles

Our great idea

Marie Curie^{a,*}, Genghis Khan^b, Monique Ash

^aUniversity of Paris, Department of Radiation, Somewhere, Paris, France, PX2039

^bMonash University, Department of Econometrics & Business Statistics, Clayton VIC, Australia, 3800

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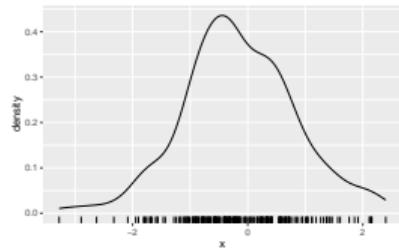


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*Corresponding author
Email address: marie.curie@gmail.com (Marie Curie), [Monique Ash](mailto:Monique.Ash@monash.edu) (Monique Ash)

abstract: |

A brief summary of our ideas

keywords: [blah, blah]

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cover: true

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journal:

name: International Journal of Forecasting

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Currently, quarto does not allow two pdf output files.

Thesis template



MONASH University

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Susan Su

B.Sc. (Hons), University of Tangambalanga

A thesis submitted for the degree of
Doctor of Philosophy
at Monash University in 2024
Department of Econometrics & Business Statistics

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Declaration

Use only one of the following declarations (Standard thesis or Thesis including published works declaration) and remove the other.

Standard thesis

This thesis is an original work of my research and contains no material which has been accepted for the award of any other degree or diploma at any university or equivalent institution and that, to the best of my knowledge and belief, this thesis contains no material previously published or written by another person, except where due reference is made in the text of the thesis.

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Publications during enrolment

Remove this section if you do not have publications.

The material in Chapter 1 has been submitted to the journal *Journal of Impossible Results* for possible publication.

The contribution in Chapter 2 of this thesis was presented in the International Symposium on Nonsense held in Dublin, Ireland, in July 2022.

Reproducibility statement

This thesis is written using Quarto with renv (Ushay 2022) to create a reproducible environment. All materials (including the data sets and source files) required to reproduce this document can be found at the Github repository github.com/SusanSu/thesis.

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This thesis includes ?? original papers published in peer reviewed journals and ?? submitted publications. The core theme of the thesis is ?. The ideas, development and writing up of all the papers in the thesis were the principal responsibility of myself, the student, working within the Department of Econometrics & Business Statistics under the supervision of ??

(The inclusion of co-authors reflects the fact that the work came from active collaboration between researchers and acknowledges input into team-based research.)

In the case of (??insert chapter numbers) my contribution to the work involved the following:

Thesis chapter	Publication title	Status	Nature and % of student contribution	Nature and % of coauthors' contribution	Coauthors are Monash students
2	The life cycle of Mongolian crickets	Submitted	Concept and data analysis, writing first draft: 60%	Shu Xu, input into manuscript: 25%; Eddie Betts, input into manuscript: 15%	Shu Xu: No; Eddie Betts: Yes

I have / have not renumbered sections of submitted or published papers in order to generate a consistent presentation within the thesis.

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Date:

I hereby certify that the above declaration correctly reflects the nature and extent of the student's and co-authors' contributions to this work. In instances where I am not the responsible author I have consulted with the responsible author to agree on the respective contributions of the authors.

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Chapter 1

Introduction

This is where you introduce the main ideas of your thesis, and an overview of the context and background.

In a PhD, Chapter 2 would normally contain a literature review. Typically, Chapters 3–5 would contain your own contributions. Think of each of these as potential papers to be submitted to journals. Finally, Chapter 6 provides some concluding remarks, discussion, ideas for future research, and so on. Appendices can contain additional material that don't fit into any chapters, but that you want to put on record. For example, additional tables, output, etc.

1.1 Quarto

In this template, the rest of the chapter shows how to use quarto. The big advantage of using quarto is that it allows you to include your R or Python code directly into your thesis, to ensure there are no errors in copying and pasting, and that everything is reproducible. It also helps you stay better organized.

For details on using Quarto, see <http://quarto.org>.

1.2 Data

Included in this template is a file called `sales.csv`. This contains quarterly data on Sales and Advertising budget for a small company over the period 1981–2005. It also contains the GDP (gross domestic product) over the same period. All series have been adjusted for inflation. We can load in this data set using the following code:

```
sales <- readr::read_csv(here::here("data/sales.csv")) |>  
  rename(Quarter = "...1") |>
```

1

```
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```
mutate(  
  Quarter = as.Date(paste0("01-", Quarter), "%d-%b-%y"),  
  Quarter = yearquarter(Quarter)  
) |>  
as_tibble(index = Quarter)
```

Any data you use in your thesis can go into the `data` directory. The data should be in exactly the format you obtained it. Do no editing or manipulation of the data prior to including it in the `data` directory. Any data munging should be scripted and form part of your thesis files (possibly hidden in the output).

1.3 Figures

Figure 1.1 shows time plots of the data we just loaded. Notice how figure captions and references work. Chunk names can be used as figure labels with `Fig-` prefixed. Never manually type figure numbers, as they can change when you add or delete figures. This way, the figure numbering is always correct.

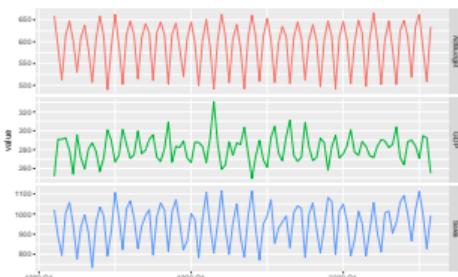


Figure 1.1: Quarterly sales, advertising and GDP data.

1.4 Results from analyses

We can fit a regression model to the sales data.

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If y_t denotes the sales in quarter t , x_t denotes the corresponding advertising budget and z_t denotes the GDP then the resulting model is:

$$y_t = \beta x_t + \gamma z_t + \epsilon_t \quad (1.1)$$

where $\hat{\beta} = 1.85$, and $\hat{\gamma} = 1.04$. We can reference this equation using Equation 1.1.

1.5 Tables

We can also make a nice summary table of the coefficients, as shown in Table 1.1

Table 1.1: Coefficients from the fitted model.

Coefficient	Estimate	P value
(Intercept)	-438.98	0.02
GDP	1.04	0.02
AdBudget	1.85	0.00

Again, notice the use of labels and references to automatically generate table numbers.

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Chapter 2

Literature Review

This chapter contains a summary of the context in which your research is set.

Imagine you are writing for your fellow PhD students. Topics that are well-known to them do not have to be included here. But things that they may not know about should be included.

Resist the temptation to discuss everything you've read in the last few years. And you are not writing a textbook either. This chapter is meant to provide the background necessary to understand the material in subsequent chapters. Stick to that.

You will need to organize the literature review around themes, and within each theme provide a story explaining the development of ideas to date. In each theme, you should get to the point where your ideas will fit in. But leave your ideas to later chapters. This way it is clear what has been done beforehand, and what new contributions you are making to the research field.

All citations should be done using markdown notation as shown below. This way, your bibliography will be compiled automatically and correctly.

2.1 Exponential smoothing

Exponential smoothing methods were originally developed in the late 1950s (Brown 1959, 1963; Holt 1957; Winters 1960). Because of their computational simplicity and interpretability, they became widely used in practice.

Empirical studies by Makridakis & Hibon (1979) and Makridakis et al. (1982) found little difference in forecast accuracy between exponential smoothing and ARIMA models. This made the family of exponential smoothing procedures an attractive proposition (see Chatfield et al. 2001).

The methods were less popular in academic circles until Ord, Koehler & Snyder (1997) introduced a

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state space formulation of some of the methods, which was extended in Hyndman et al. (2002) to cover the full range of exponential smoothing methods.

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Brown, RG (1963). *Smothing, forecasting and prediction of discrete time series*. Englewood Cliffs, New Jersey: Prentice Hall.

Chatfield, C, AB Koehler, JK Ord & RD Snyder (2001). A new look at models for exponential smoothing. *The Statistician* **50**(2), 147–159.

Holt, CE (1957). *Forecasting trends and seasonal by exponentially weighted averages*. O.N.R. Memorandum 52/1957. Carnegie Institute of Technology.

Hyndman, RJ, AB Koehler, RD Snyder & S Grose (2002). A state space framework for automatic forecasting using exponential smoothing methods. *International Journal of Forecasting* **18**(3), 439–454.

Makridakis, S, A Anderson, R Carbone, R Fildes, M Hibon, RJL Newton, E Parzen & R Winkler (1982). The accuracy of extrapolation (time series) methods: results of a forecasting competition. *Journal of Forecasting* **1**, 111–153.

Makridakis, S & M Hibon (1979). Accuracy of forecasting: an empirical investigation (with discussion). *Journal of Royal Statistical Society (A)* **142**, 97–145.

Ord, JK, AB Koehler & RD Snyder (1997). Estimation and prediction for a class of dynamic nonlinear statistical models. *Journal of American Statistical Association* **92**, 1621–1629.

Ushey, K (2022). *remr: Project Environments*. R package version 0.16.0. <https://CRAN.R-project.org/package=remr>.

Winters, PR (1960). Forecasting sales by exponentially weighted moving averages. *Management Science* **6**, 324–342.

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Search

From menu

- 1 Introduction
- 2 Literature Review
- Bibliography

This is my thesis

A thesis submitted for the degree of Doctor of Philosophy at Monash University, Department of Econometrics & Business Statistics.

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Abstract

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11

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- All templates use Source Code Pro for code which has good disambiguation: L1l1!| o00 4AH 5S 7T
- All but presentation use Bitstream Vera for the body with a matching mathematical font:

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$$s = \sqrt{\frac{1}{n} \sum_{i=1}^n (y_i - \bar{y})^2}.$$

Design choices: Citations

All templates use biblatex with an author-year style consistent with most statistical journals.

Brown, RG (1959). *Statistical forecasting for inventory control*. McGraw-Hill, New York.

Brown, RG (1963). *Smoothing, forecasting and prediction of discrete time series*. Englewood Cliffs, New Jersey: Prentice Hall.

Chatfield, C, AB Koehler, JK Ord & RD Snyder (2001). A new look at models for exponential smoothing. *The Statistician* 50(2), 147–159.

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Github repos: github.com/quarto-monash



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Overview Repositories 8 Projects Packages People

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Monash Quarto Templates

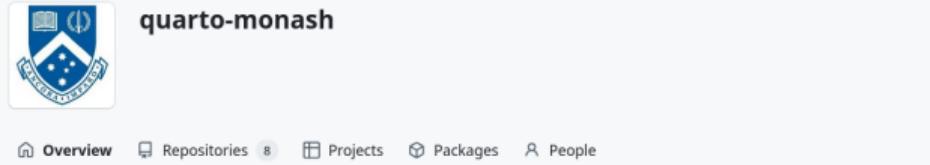
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A screenshot of the quarto-monash GitHub repository page. It features the Monash University crest logo at the top left. Below the logo, the repository name "quarto-monash" is displayed in bold. A navigation bar follows, with "Overview" being the active tab, and other options like "Repositories", "Projects", "Packages", and "People".

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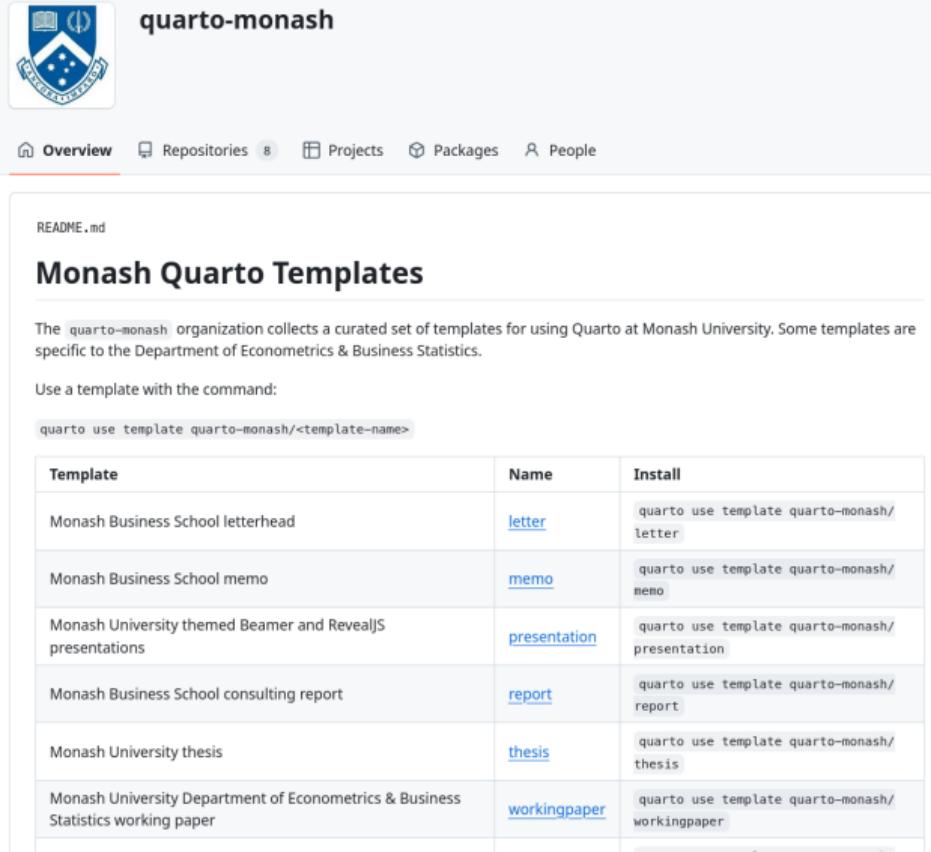
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- [exam](#)

Github repos: github.com/quarto-monash



The screenshot shows the GitHub repository page for 'quarto-monash'. At the top left is the Monash University crest logo. Below it, the repository name 'quarto-monash' is displayed. The main content area shows the 'README.md' file, which contains the following text:

Monash Quarto Templates

The `quarto-monash` organization collects a curated set of templates for using Quarto at Monash University. Some templates are specific to the Department of Econometrics & Business Statistics.

Use a template with the command:

```
quarto use template quarto-monash/<template-name>
```

Template	Name	Install
Monash Business School letterhead	letter	<code>quarto use template quarto-monash/letter</code>
Monash Business School memo	memo	<code>quarto use template quarto-monash/memo</code>
Monash University themed Beamer and RevealJS presentations	presentation	<code>quarto use template quarto-monash/presentation</code>
Monash Business School consulting report	report	<code>quarto use template quarto-monash/report</code>
Monash University thesis	thesis	<code>quarto use template quarto-monash/thesis</code>
Monash University Department of Econometrics & Business Statistics working paper	workingpaper	<code>quarto use template quarto-monash/workingpaper</code>

From a terminal

```
quarto use template quarto-monash/<name>
```

- [letter](#)
- [memo](#)
- [presentation](#)
- [report](#)
- [thesis](#)
- [workingpaper](#)
- [exam](#)

From the R console

```
monash::quarto_template_install("<name>")
```

Structure of a template

```
|- extensions
  |- quarto-monash
    |- letter
      |- _extension.yml
      |- after-body.tex
      |- before-body.tex
      |- before-title.tex
      |- AACSB.png
      |- AMBA.png
      |- EQUIS.png
      |- MBSportrait.jpg
      |- monash2.png
      |- sigfile.png
  template.qmd
```

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```

- template.qmd: template for user to edit.
- extension.yml: default yaml
- *.tex: pandoc partials
- Everything else: graphical files needed for the template

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  template.qmd
```

template.qmd

```
---
author: Pierre Curie
qualifications: Nobel Prize, PhD
position: Professor
www: curie.com
email: Pierre.Curie@monash.edu
phone: +61 3 9905 5555
signature: sigfile.png
address:
  - Hypatia
  - University of Alexandria
  - Egypt
opening: "Dear Hypatia"
closing: "Sincerely"
linestretch: 1.4
ps: "PS. Lorem ipsum dolor sit amet, *consectetur*
      adipiscing elit."
format: letter-pdf
---
```

I am writing about the paper you recently published in

Structure of a template

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  template.qmd
```

extension.yml

```
title: Monash Letter
author: Rob J Hyndman
version: 2.0.0
quarto-required: ">=1.4.0"
contributes:
  formats:
    pdf:
      documentclass: letter
      pdf-engine: pdflatex
      date: today
      date-format: "D MMMM YYYY"
      papersize: a4
      fontsize: 11pt
      geometry:
        - "top=2cm"
        - "bottom=2cm"
        - "left=2cm"
        - "right=2cm"
      colorlinks: true
      template-partials:
        - "before-body.tex"
        - "after-body.tex"
        - "before-title.tex"
```

Structure of a template

```
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      |- EQUIS.png
      |- MBSportrait.jpg
      |- monash2.png
      |- sigfile.png
  template.qmd
```

before-body.tex

```
\begin{letter}{\$for(address)$$address$$sep$\\$endfor\$}
$if(opening)$
\opening{$opening$}
$endif$
```

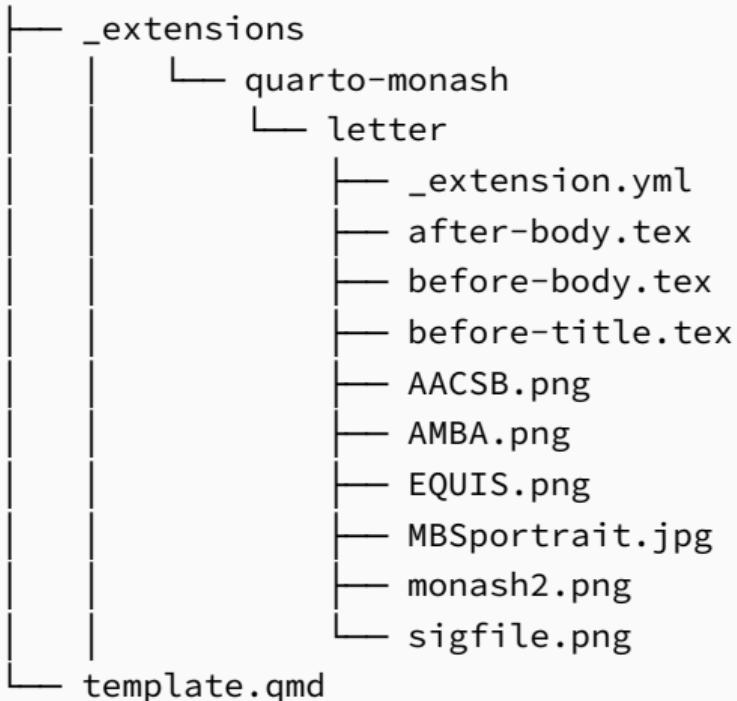
Structure of a template

```
└── extensions
    └── quarto-monash
        └── letter
            ├── _extension.yml
            ├── after-body.tex
            ├── before-body.tex
            ├── before-title.tex
            ├── AACSB.png
            ├── AMBA.png
            ├── EQUIS.png
            ├── MBSportrait.jpg
            ├── monash2.png
            └── sigfile.png
└── template.qmd
```

after-body.tex

```
$if(closing)$
\closing{$closing$\\[0.2cm]\\hspace*{0.5cm}}
$if(signature)$
\includegraphics[height=1.5cm]{$signature$}
$endif$
}
$endif$
\vfill
$if(encl)$
\encl{$for(encl)$$encl$$sep$\\$endfor$}
$endif$
$if(cc)$
\cc{$for(cc)$$cc$$sep$\\$endfor$}
$endif$
$if(ps)$
\ps{$ps$}
$endif$
\end{letter}
```

Structure of a template



before-title.tex

Adapting for your own organization

- Fork the repository at
<https://github.com/quarto-monash/<name>>
- Edit the relevant files to remove Monash branding and add your own styling.

Pandoc partial templates

- **doc-class.tex**: document class and options
 - **before-title.tex**: preamble before title block.
 - **title.tex**: create title block.
 - **before-body.tex**: frontmatter, title page, abstract.
 - **after-body.tex**: content at the end of the body.
 - **toc.tex**: table of contents, lists of figures and tables.
 - **before-bib.tex**: after content but before bibliography.
 - **biblio.tex**: creates bibliography
-
- **Details:** <https://quarto.org/docs/journals/templates.html>
 - **Defaults:** <https://github.com/quarto-dev/quarto-cli/tree/main/src/resources/formats/pdf/pandoc>

More information

-  robjhyndman.com/quarto_templates
-  [@quarto-monash](https://twitter.com/quarto_monash)
-  robjhyndman.com