

# **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

Quisque 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 egestas fringilla:

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](mailto:Pierre.Curie@monash.edu) +61 3 9905 5555 [curie.com](http://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 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.

MONASH  
BUSINESS  
SCHOOL

---

**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

---

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



# Memo template



MONASH  
BUSINESS  
SCHOOL

## Note to self

Marie Curie

30 August 2024

*Quisque non ipsum sit amet, consectetur adipisciing 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 id. 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 adipisciing odio ullamcorper eu. In tincidunt nisi sit amet tincidunt tincidunt. Maecenas elementum neque eget dolor egestas fringilla:*

*Nullam eger dapibus quam, sit amet sagittis magna. Nam tincidunt, orci ac imperdier 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 imperdier nulla, vitae bibendum eros placerat non. Cras ornare, risus in faucibus malesuada, libero sem fringilla quam, ut luctus enim sapien eger dolor.*

# Memo template



Note to self

Marie Curie

MONASH  
BUSINESS  
SCHOOL

30 August 2024

**Lore 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 id. 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 egestas fringilla.

Nullam eger 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 lucus enim sapien eget dolor.

---

**title:** Note to self  
**author:** Marie Curie  
**branding:** true  
**linestretch:** 1.3  
**format:** memo-pdf

---

# 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

(03) 9905 2478  
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

MONASH  
BUSINESS  
SCHOOL

Department of  
Econometrics &  
Business Statistics

(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
---
```

# Report template

Expert advice from experts

## 1 Introduction

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

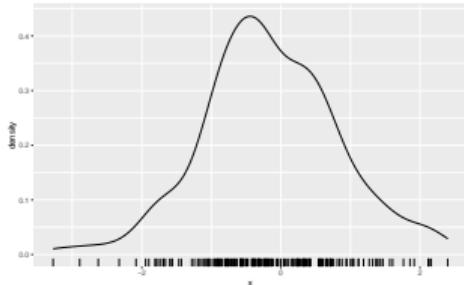


Figure 1: Simulated data from a  $N(0, 1)$  distribution.

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

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TITLE OF PAPER: Advanced Bean Counting  
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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.

---

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

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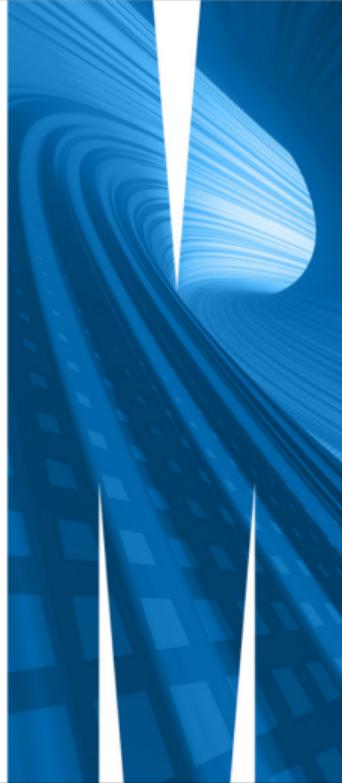
# Presentation template



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

Hypatia of Alexandria

15 June 2024



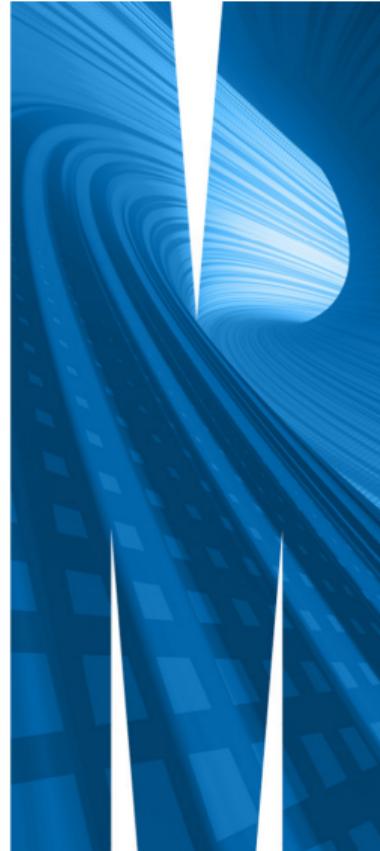
# Presentation template



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

Hypatia of Alexandria

15 June 2024



# Presentation template



## **My great presentation with a title that is far too long**

Hypatia of Alexandria

15 June 2024

---

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title: My great presentation with a title that is far
author: Hypatia of Alexandria
date: today
toc: true
format:
  presentation-beamer: default
  presentation-revealjs+letterbox: default
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# Working paper template



MONASH  
University

MONASH  
BUSINESS  
SCHOOL

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

## Our great idea

**Marie Curie**  
Department of Radiation  
University of Paris  
Paris 752039  
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

# 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 ...

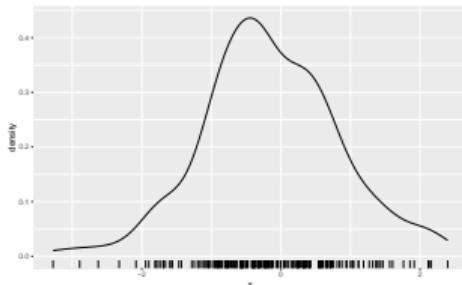


Figure 1: Simulated data from a  $N(0,1)$  distribution.

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.

# Working paper template



MONASH  
University

MONASH  
BUSINESS  
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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



---

**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  
University of Paris  
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

---

```
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 Statistics  
      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  
University of Paris  
Paris 752039  
France  
Email: mcurie.montreal@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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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:
keep-tex: true
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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 ...

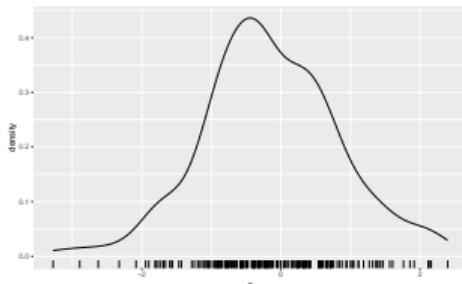


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Note that Equation 1 is an unbiased estimate of the variance, but it is not the maximum likelihood estimate (Rice 2007, p. 269).

New paragraph.

### abstract: |

A brief summary of our ideas

**keywords:** [blah, blah]

**bibliography:** references.bib

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**blind:** false

**cover:** true

**linestretch:** 1.5

**format:**

**wp-pdf:**

**keep-tex:** true

---

# Thesis template



MONASH University

**This is my thesis**

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

# Thesis template



This is my thesis

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

```
project:  
  type: book  
book:  
  title: "This is my thesis"  
  author: "Susan Su"  
  chapters:  
    - index.qmd  
    - "01-chap1.qmd"  
    - "02-chap2.qmd"  
    - "refs.qmd"  
  sidebar:  
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bibliography: thesisrefs.bib  
csl: american-statistical-association.csl  
degreetype: Doctor of Philosophy  
submitted: 2024  
affiliation: Department of Econometrics & Business St  
degrees: 'B.Sc. (Hons), University of Tangambalanga'  
format:  
  monashthesis-html: default  
  monashthesis-pdf: default
```

# Design choices: Fonts

- All templates use Fira Sans for headings.
- 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:

The standard deviation  $s$  of the sample  $y_1, \dots, y_n$  is given by

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

# 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.

Holt, CE (1957). *Forecasting trends and seasonals 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.

## Design choices: Journal articles

- The workingpaper template has the same yaml as the quarto templates for academic journals.
- So simply changing the format line to format: elsevier-pdf, for example, will work.

# Design choices: Monash branding

# Structure of a template

- github repo structure
- \_extension.yml
- pandoc partials

# Template details

- letters
- memos
- working papers
- reports
- exams
- presentations
- theses

- Setting up organization front page

# monash package

- For people who don't like CLI

# Adapting for your own organization