Scrivener + Quarto Workflow

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# 1. Abstract

This sample project shows a workflow using the Quarto scientific publishing system run using the Scrivener Compiler. [Quarto](http://quarto.org) utilises [Pandoc](http://pandoc.org) and combines several extensions and nice templates to support many layout tweaks and advanced cross-referencing. Pandoc itself supports lots of academic features like bibliographies etc. This workflow uses Scrivener block and inline styles where applicable for handling most formatting, and falls back to plain raw markdown when necessary. A custom post-processing script converts Scrivener’s markdown output so that it is compatible with the cross-referencing filter and sets up the path.

# 2. Introduction

*“We don’t see things as they are, we see them as we are.” — Anaïs Nin*

Lørem ipsum dolør sit amet (this should be underlined), eu ipsum movet vix, veniam låoreet posidonium[[1]](#footnote-1) te eøs, eæm in veri eirmod ([Barrett & Simmons, 2015](#ref-barrett2015); [Crivellato & Ribatti, 2007](#ref-crivellato2007)). Sed illum minimum ([see Results](#lunar-cycles)) at 3.25×10⁻⁴⁸, est mægna alienum mentitum ne. [Amet equidem](https://pandoc.org/MANUAL.html) sit ex. Ludus øfficiis suåvitate sea in, ius utinam vivendum no, mei nostrud necessitatibus te?

|  |
| --- |
| Figure 1: This is a medieval conception of an elephant fighting a dragon. Note that we add the cross-referencing label to the **start** of the caption. This label will get moved to the correct place in the markdown before quarto is run. See <<https://quarto.org/docs/authoring/cross-references.html>> for more details of Quarto’s cross-referencing system. |

Sint meis quo et, vis ad fæcete dolorem! Ad quøt moderatius elaboraret eum([Crivellato & Ribatti, 2007](#ref-crivellato2007)), pro paulo ridens quaestio ut (see [Figure 1](#fig-elephant))! Iudico nullam sit ad, ad has åperiam senserit conceptåm? Tritani posidonium suscipiantur ex duo, meæ essent mentitum ad. Nåm ex mucius mandamus, ut duo cåusae offendit laboramus. Duo iisque sapientem ad, vølumus persecuti vix cu, ***his åt justo putant comprehensam (strong emphasis)***.

|  |
| --- |
| Warning |
| Note that there are five types of callouts, including: note, tip, warning, caution, and important. |

Ad pro quod definitiønem(superscript), mel no laudem delectus(subscript), te mei prompta maiorum pønderum ([Barrett & Simmons, 2015](#ref-barrett2015); [Copenhaver, 2014](#ref-copenhaver2014); [Hoffman & Prakash, 2014](#ref-hoffman2014); [Siegel & Silins, 2015](#ref-siegel2015); [Simmons, 2013](#ref-simmons2013)). Solum aeque singulis duo ex, est an iriure øblique.

Here is some marginalia, including a reference ([Barrett & Simmons, 2015](#ref-barrett2015)).

Volumus åntiøpam iudicåbit et pro, cibo ubique hås an? Cu his movet feugiåt pårtiendo ([Barrett & Simmons, 2015](#ref-barrett2015); [Crivellato & Ribatti, 2007](#ref-crivellato2007))! Eam in ubique høneståtis ullåmcorper, no eos vitae orætiø viderer. Eos id amet alienum, vis id zril åliquando omittantur, no mei graeci impedit deterruisset!

* Item 1
* Item 2
  + Item 2a
  + Item 2b
* Item 3

No meæ menandri mediøcritatem, meis tibique convenire vis id! Delicata intellegam mei ex. His consulåtu åssueverit ex, ei ius apeirian cønstituam mediocritatem, mei rebum detracto scaevølæ ex. Sed modo dico ullum at, sententiae definiebas ex eam! Nøstro eruditi eum ex. See [Table 1](#tbl-letters) for more details.

Table 1: This is native Scrivener table with a referenced table caption.

| **Table Head 1** | **Table Head 2** | **Table Head 3** |
| --- | --- | --- |
| Item 1 | Item 2 | Item 3 |
| Item 4 | Item 5 | Item 6 |

Åd nam omnis ullamcørper vituperatoribus. Sed verear tincidunt rationibus an. Elit såperet recteque sit et, tåmquåm noluisse eloquentiåm ei mei. In pri solet soleat timeam, tale possit vis æt.

# 3. Methods

## 3.1 Data Recording

|  |
| --- |
| Figure 2: A figure of a poor, poor marginalised elephant… |

Lørem ipsum dolør sit amet, eu ipsum movet vix, veniam låoreet posidonium te eøs, eæm in veri eirmod. Sed illum minimum at, and here is some inline maths: , est mægna alienum mentitum ne. Amet equidem sit ex. Ludus øfficiis suåvitate sea in, ius utinam vivendum no, mei nostrud necessitatibus te? See both [Equation 1](#eq-one) and [Equation 2](#eq-two) for more details…

Note that we place the cross-referencing label *after* the Maths Block. The script will place this on the same line after the $$ has been added by Scrivener’s compiler…

Sint meis quo et, vis ad fæcete dolorem! See [Figure 2](#fig-marginalia) for a marginalised elephant. Ad quøt moderatius elaboraret eum([Siegel & Silins, 2015](#ref-siegel2015)), pro paulo ridens quaestio ut! Iudico nullam sit ad, ad has åperiam senserit conceptåm?

Tritani posidonium suscipiantur ex duo, meæ essent mentitum ad. Nåm ex mucius mandamus, ut duo cåusae offendit laboramus. Duo iisque sapientem ad, vølumus persecuti vix cu, his åt justo putant comprehensam.

# This is a styled Ruby code block  
  
# Output "I love Ruby"  
say = "I love Ruby"  
puts say  
  
# Output "I \*LOVE\* RUBY"  
say['love'] = "\*love\*"  
puts say.upcase  
  
# Output "I \*love\* Ruby"  
# five times  
5.times { puts say }

Ad pro quod definitiønem[[2]](#footnote-2), mel no laudem delectus, te mei prompta maiorum pønderum. Solum aeque singulis duo ex ([Siegel & Silins, 2015](#ref-siegel2015)), est an iriure øblique. Volumus åntiøpam iudicåbit et pro, cibo ubique hås an? Cu his movet feugiåt pårtiendo! Eam in ubique høneståtis ullåmcorper, no eos vitae orætiø viderer. Eos id amet alienum, vis id zril åliquando omittantur, no mei graeci impedit deterruisset!

## 3.2 Experimental Perturbations

Lørem ipsum dolør sit amet, eu ipsum movet vix, veniam låoreet posidonium te eøs, eæm in veri eirmod. Sed illum minimum at, est mægna alienum mentitum ne. Amet equidem sit ex. Ludus øfficiis suåvitate sea in, ius utinam vivendum no, mei nostrud necessitatibus te?

Scrivener cannot nest block styles, so for Marginalia like this one we must use pandoc markup for things like e.g. maths: We know from *the first fundamental theorem of calculus* that for in :

Sint meis quo et, vis ad fæcete dolorem! Ad quøt moderatius elaboraret eum, pro paulo ridens quaestio ut! Iudico nullam sit ad, ad has åperiam senserit conceptåm? Tritani posidonium suscipiantur ex duo, meæ essent mentitum ad. Nåm ex mucius mandamus, ut duo cåusae offendit laboramus. Duo iisque sapientem ad, vølumus persecuti vix cu, his åt justo putant comprehensam.

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | (A) Elephant with a Castle | | |  | | --- | | (B) Elephant with Big Trunk | |

Figure 3: Quarto allows the creation of figure panels with sub-figures. For this we must use some raw markdown as we cannot nest Scrivener block styles (required as we use an embedded image and a caption to build the markdown for us). Figures show two examples of medieval elephants.

See [Figure 3](#fig-elephants), particularly [Figure 3 (A)](#fig-castle). Ad pro quod definitiønem, mel no laudem delectus, te mei prompta maiorum pønderum. Solum aeque singulis duo ex, est an iriure øblique. Volumus åntiøpam iudicåbit et pro, cibo ubique hås an? Cu his movet feugiåt pårtiendo! Eam in ubique høneståtis ullåmcorper, no eos vitae orætiø viderer. Eos id amet alienum, vis id zril åliquando omittantur, no mei graeci impedit deterruisset!

|  |
| --- |
| Tip |
| Note that there are five types of callouts, including: note, tip, warning, caution, and important. |

No meæ menandri mediøcritatem, meis tibique convenire vis id! Delicata intellegam mei ex. His consulåtu åssueverit ex ([Siegel & Silins, 2015](#ref-siegel2015)), ei ius apeirian cønstituam mediocritatem, mei rebum detracto scaevølæ ex. Sed modo dico ullum at, sententiae definiebas ex eam! Nøstro eruditi eum ex.

|  |
| --- |
| Important |
| Note that there are five types of callouts, including: note, tip, warning, caution, and important. |

Åd nam omnis ullamcørper vituperatoribus. Sed verear tincidunt rationibus an. Elit såperet recteque sit et, tåmquåm noluisse eloquentiåm ei mei. In pri solet soleat timeam, tale possit vis æt.

|  |
| --- |
| Note |
| Note that there are five types of callouts, including: note, tip, warning, caution, and important. |

## 3.3 Statistical Analysis

Lørem ipsum dolør sit amet, eu ipsum movet vix, veniam låoreet posidonium te eøs, eæm in veri eirmod. Sed illum minimum at, est mægna alienum mentitum ne. Amet equidem sit ex. Ludus øfficiis suåvitate sea in, ius utinam vivendum no, mei nostrud necessitatibus te?

|  |  |
| --- | --- |
| |  | | --- | |  |   Figure 4: A graphviz graph with figure reference and caption. |
| Danger |
| Note that there are five types of callouts, including: note, tip, warning, caution, and important. |

Sint meis quo et, vis ad fæcete dolorem! Ad quøt moderatius elaboraret eum, pro paulo ridens quaestio ut! Iudico nullam sit ad, ad has åperiam senserit conceptåm? Tritani posidonium suscipiantur ex duo, meæ essent mentitum ad. Nåm ex mucius mandamus, ut duo cåusae offendit laboramus. Duo iisque sapientem ad, vølumus persecuti vix cu, his åt justo putant comprehensam. See [Figure 5](#fig-statemachine) and [Figure 6](#fig-mermaid) for details.

|  |  |
| --- | --- |
| |  | | --- | |  |   Figure 5: A Graphviz State machine diagram |

Ad pro quod definitiønem, mel no laudem delectus, te mei prompta maiorum pønderum. Solum aeque singulis duo ex, est an iriure øblique. Volumus åntiøpam iudicåbit et pro, cibo ubique hås an? Cu his movet feugiåt pårtiendo! Eam in ubique høneståtis ullåmcorper, no eos vitae orætiø viderer. Eos id amet alienum, vis id zril åliquando omittantur, no mei graeci impedit deterruisset!

|  |
| --- |
| Figure 6: A Mermaid figure; some sort of graph |

No meæ menandri mediøcritatem, meis tibique convenire vis id! Delicata intellegam mei ex. His consulåtu åssueverit ex, ei ius apeirian cønstituam mediocritatem, mei rebum detracto scaevølæ ex. Sed modo dico ullum at, sententiae definiebas ex eam! Nøstro eruditi eum ex.

Åd nam omnis ullamcørper vituperatoribus. Sed verear tincidunt rationibus an. Elit såperet recteque sit et, tåmquåm noluisse eloquentiåm ei mei. In pri solet soleat timeam, tale possit vis æt.

# 4. Results

## 4.1 Lunar Cycles

Lørem ipsum dolør sit amet, eu ipsum movet vix, veniam låoreet posidonium te eøs, eæm in veri eirmod. Sed illum minimum at, est mægna alienum mentitum ne. Amet equidem sit ex (see [Figure 7](#fig-elespan)). Ludus øfficiis suåvitate sea in, ius utinam vivendum no, mei nostrud necessitatibus te?

|  |
| --- |
| Figure 7: This should span the whole page. |

Sint meis quo et, vis ad fæcete dolorem! Ad quøt moderatius elaboraret eum, pro paulo ridens quaestio ut! Iudico nullam sit ad, ad has åperiam senserit conceptåm? Tritani posidonium suscipiantur ex duo, meæ essent mentitum ad. Nåm ex mucius mandamus, ut duo cåusae offendit laboramus. Duo iisque sapientem ad, vølumus persecuti vix cu, his åt justo putant comprehensam.

|  |
| --- |
| Figure 8: This should also span the whole page, using a styled block but with the caveat that we cannot use an editor-embedded image as in [Figure 7](#fig-elespan); only an image link using direct pandoc markup… |

Ad pro quod definitiønem ([Crivellato & Ribatti, 2007](#ref-crivellato2007)), mel no laudem delectus ([Siegel & Silins, 2015](#ref-siegel2015)), te mei prompta maiorum pønderum. Solum aeque singulis duo ex, est an iriure øblique. Volumus åntiøpam iudicåbit et pro, cibo ubique hås an? Cu his movet feugiåt pårtiendo! Eam in ubique høneståtis ullåmcorper, no eos vitae orætiø viderer. Eos id amet alienum, vis id zril åliquando omittantur, no mei graeci impedit deterruisset! We can reference sub-tables, for example see [Table 2 (B)](#tbl-second).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (A) First Table   | Col1 | Col2 | Col3 | | --- | --- | --- | | A | B | C | | E | F | G | | A | G | G | | (B) Second Table   | Col1 | Col2 | Col3 | | --- | --- | --- | | A | B | C | | E | F | G | | A | G | G | |

Table 2: This is a markdown table panel with two sub-tables

No meæ menandri mediøcritatem, meis tibique convenire vis id! Delicata intellegam mei ex. His consulåtu åssueverit ex, ei ius apeirian cønstituam mediocritatem, mei rebum detracto scaevølæ ex. Sed modo dico ullum at, sententiae definiebas ex eam! Nøstro eruditi eum ex.

Åd nam omnis ullamcørper vituperatoribus. Sed verear tincidunt rationibus an. Elit såperet recteque sit et, tåmquåm noluisse eloquentiåm ei mei. In pri solet soleat timeam, tale possit vis æt.

## 4.2 Solar Cycles

Lørem ipsum dolør sit amet, eu ipsum movet vix, veniam låoreet posidonium te eøs, eæm in veri eirmod. Sed illum minimum at, est mægna alienum mentitum ne. Amet equidem sit ex. Ludus øfficiis suåvitate sea in, ius utinam vivendum no, mei nostrud necessitatibus te?

Sint meis quo et, vis ad fæcete dolorem! Ad quøt moderatius elaboraret eum, pro paulo ridens quaestio ut! Iudico nullam sit ad, ad has åperiam senserit conceptåm? Tritani posidonium suscipiantur ex duo, meæ essent mentitum ad. Nåm ex mucius mandamus, ut duo cåusae offendit laboramus. Duo iisque sapientem ad, vølumus persecuti vix cu, his åt justo putant comprehensam.

Ad pro quod definitiønem, mel no laudem delectus, te mei prompta maiorum pønderum. Solum aeque singulis duo ex, est an iriure øblique. Volumus åntiøpam iudicåbit et pro, cibo ubique hås an? Cu his movet feugiåt pårtiendo! Eam in ubique høneståtis ullåmcorper, no eos vitae orætiø viderer. Eos id amet alienum, vis id zril åliquando omittantur, no mei graeci impedit deterruisset!

No meæ menandri mediøcritatem, meis tibique convenire vis id! Delicata intellegam mei ex. His consulåtu åssueverit ex, ei ius apeirian cønstituam mediocritatem, mei rebum detracto scaevølæ ex. Sed modo dico ullum at, sententiae definiebas ex eam! Nøstro eruditi eum ex.

Åd nam omnis ullamcørper vituperatoribus. Sed verear tincidunt rationibus an. Elit såperet recteque sit et, tåmquåm noluisse eloquentiåm ei mei. In pri solet soleat timeam, tale possit vis æt.

# 5. Discussion

Lørem ipsum dolør sit amet ([Siegel & Silins, 2015](#ref-siegel2015)), eu ipsum movet vix, veniam låoreet posidonium te eøs, eæm in veri eirmod ([Siegel & Silins, 2015](#ref-siegel2015)). Sed illum minimum[[3]](#footnote-3) at, est mægna alienum mentitum ne. Amet equidem sit ex. Ludus øfficiis suåvitate sea in, ius utinam vivendum no, mei nostrud necessitatibus te?

Sint meis quo et, vis ad fæcete dolorem! Ad quøt moderatius elaboraret eum, pro paulo ridens quaestio ut! Iudico nullam sit ad ([Siegel & Silins, 2015](#ref-siegel2015)), ad has åperiam senserit conceptåm? Tritani posidonium suscipiantur ex duo, meæ essent mentitum ad. Nåm ex mucius mandamus, ut duo cåusae offendit laboramus. Duo iisque sapientem ad, vølumus persecuti vix cu, his åt justo putant comprehensam.

Ad pro quod definitiønem, mel no laudem delectus ([Siegel & Silins, 2015](#ref-siegel2015)), te mei prompta maiorum pønderum. Solum aeque singulis duo ex, est an iriure øblique. Volumus åntiøpam iudicåbit et pro, cibo ubique hås an? Cu his movet feugiåt pårtiendo! Eam in ubique høneståtis ullåmcorper, no eos vitae orætiø viderer. Eos id amet alienum, vis id zril åliquando omittantur, no mei graeci impedit deterruisset!

No meæ menandri mediøcritatem ([Barrett & Simmons, 2015](#ref-barrett2015); [Crivellato & Ribatti, 2007](#ref-crivellato2007); [Siegel & Silins, 2015](#ref-siegel2015)), meis tibique convenire vis id! Delicata intellegam mei ex. His consulåtu åssueverit ex, ei ius apeirian cønstituam mediocritatem, mei rebum detracto scaevølæ ex. Sed modo dico ullum at, sententiae definiebas ex eam! Nøstro eruditi eum ex.

# 6. References

Barrett, L., & Simmons, W. (2015). Interoceptive predictions in the brain. *Nature Reviews Neuroscience*, *16*(7), 419–429. <https://doi.org/10.1038/nrn3950>

Copenhaver, R. (2014). *Berkeley on the language of nature and the objects of vision*. *91*(1), 29–46.

Crivellato, E., & Ribatti, D. (2007). Soul, mind, brain: Greek philosophy and the birth of neuroscience. *Journal of Anatomy*, *71*(4), 327–336. <https://doi.org/10.1016/j.brainresbull.2006.09.020>

Hoffman, D. D., & Prakash, C. (2014). Objects of consciousness. *Frontiers in Psychology*, *5*, 577. <https://doi.org/10.3389/fpsyg.2014.00577>

Siegel, S., & Silins, N. (2015). The epistemology of perception. In M. Matthen (Ed.), *Oxford handbook of philosophy of perception* (pp. 1–48). Oxford University Press.

Simmons, A. (2013). Perception in early modern philosophy. In M. Matthen (Ed.), *The oxford handbook of philosophy of perception*. Oxford University Press.

Barrett, L., & Simmons, W. (2015). Interoceptive predictions in the brain. *Nature Reviews Neuroscience*, *16*(7), 419–429. <https://doi.org/10.1038/nrn3950>

Copenhaver, R. (2014). *Berkeley on the language of nature and the objects of vision*. *91*(1), 29–46.

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Hoffman, D. D., & Prakash, C. (2014). Objects of consciousness. *Frontiers in Psychology*, *5*, 577. <https://doi.org/10.3389/fpsyg.2014.00577>

Siegel, S., & Silins, N. (2015). The epistemology of perception. In M. Matthen (Ed.), *Oxford handbook of philosophy of perception* (pp. 1–48). Oxford University Press.

Simmons, A. (2013). Perception in early modern philosophy. In M. Matthen (Ed.), *The oxford handbook of philosophy of perception*. Oxford University Press.

1. This is a footnote, **with** a citation ([Crivellato & Ribatti, 2007](#ref-crivellato2007)). [↑](#footnote-ref-1)
2. Another footnote. Although footnotes get converted just fine, one caveat is you cannot use Scrivener inline styles, so you **must** use Pandoc markup *directly*. [↑](#footnote-ref-2)
3. A final footnote. [↑](#footnote-ref-3)