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 utilises pandoc 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] te eøs, eæm in veri eirmod (Barrett & Simmons, 2015; Crivellato & Ribatti, 2007). Sed illum minimum (see Results) at $3.25{\times}10$, 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(Crivellato & Ribatti, 2007), pro paulo ridens quaestio ut (see Figure 1)! 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)***.

[1] This is a footnote, **with** a citation (Crivellato & Ribatti, 2007).

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.

> ⚠️ **Warning**
>
> Note that there are five types of callouts, including: `note`, `tip`, `warning`, `caution`, and `important`.

Ad pro quod $^{\text{definitiønem(superscript)}}$, mel no laudem $_{\text{delectus(subscript)}}$, te mei prompta maiorum pønderum (Barrett & Simmons, 2015; Copenhaver, 2014; Hoffman & Prakash, 2014; Siegel & Silins, 2015; Simmons, 2013). Solum aeque singulis duo ex, est an iriure øblique.

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

Here is some marginalia, including a reference (Barrett & Simmons, 2015).

- 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 for more details.

Table Head 1	Table Head 2	Table Head 3
Item 1	Item 2	Item 3
Item 4	Item 5	Item 6

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

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

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: $e^{ix} = r(\cos\theta + i\sin\theta)$,
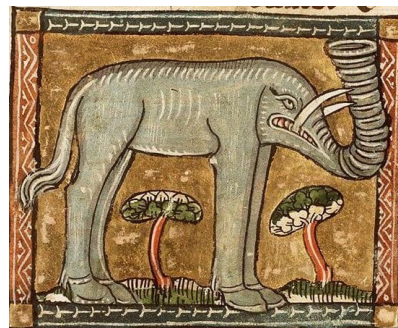

Figure 2: A figure of a poor, poor marginalised elephant...

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 and Equation 2 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…

$$
t' = \frac{t - \dfrac{v}{c^2}x}{\sqrt{1 - \dfrac{v^2}{c^2}}} \tag{1}
$$

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

$$
\nabla \times \mathbf{H} = \frac{1}{c}\left(4\pi\mathbf{J}_{\mathrm{f}} + \frac{\partial \mathbf{D}}{\partial t}\right) \tag{2}
$$

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.

```ruby
# This is a styled Ruby code block

# Output "I love Ruby"
say = "I love Ruby"
puts say

# Output "I *LOVE* RUBY"
```

```ruby
say['love'] = "*love*"
puts say.upcase

# Output "I *love* Ruby"
# five times
5.times { puts say }
```

Ad pro quod definitiønem[2], mel no laudem delectus, te mei prompta maiorum pønderum. Solum aeque singulis duo ex (Siegel & Silins, 2015), 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!

[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*.

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?

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.

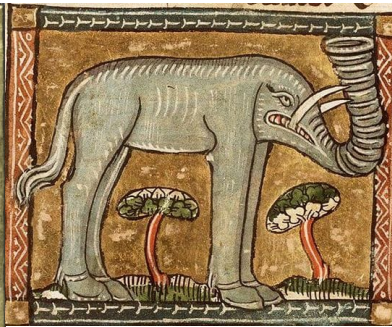See Figure 3, particularly Figure 3a. Ad pro quod definitiønem,

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 x in $[a, b]$:

$$\frac{d}{dx} \left(\int_a^x f(u)\, du \right) = f(x).$$

(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.

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), ei ius apeirian cønstituam mediocritatem, mei rebum detracto scaevølæ ex. Sed modo dico ullum at, senten-

tiae 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.

> **i** 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?

> **🔥** 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
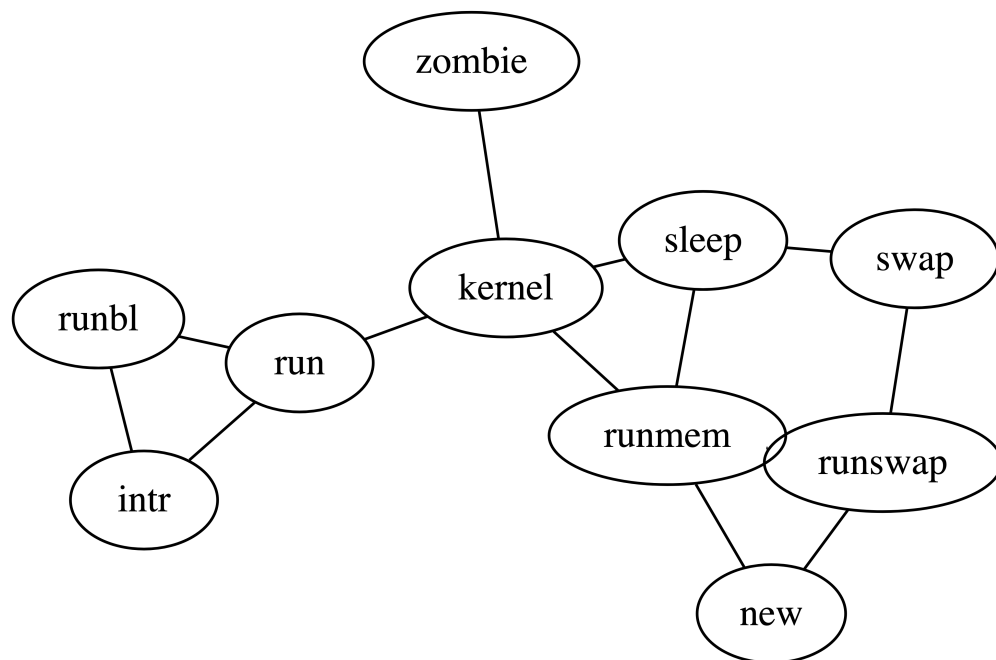
Figure 4: A graphviz graph with figure reference and caption.

suscipiantur ex duo, meæ essent mentitum ad. Nåm ex mu-
cius mandamus, ut duo cåusae offendit laboramus. Duo iisque
sapientem ad, vølumus persecuti vix cu, his åt justo putant
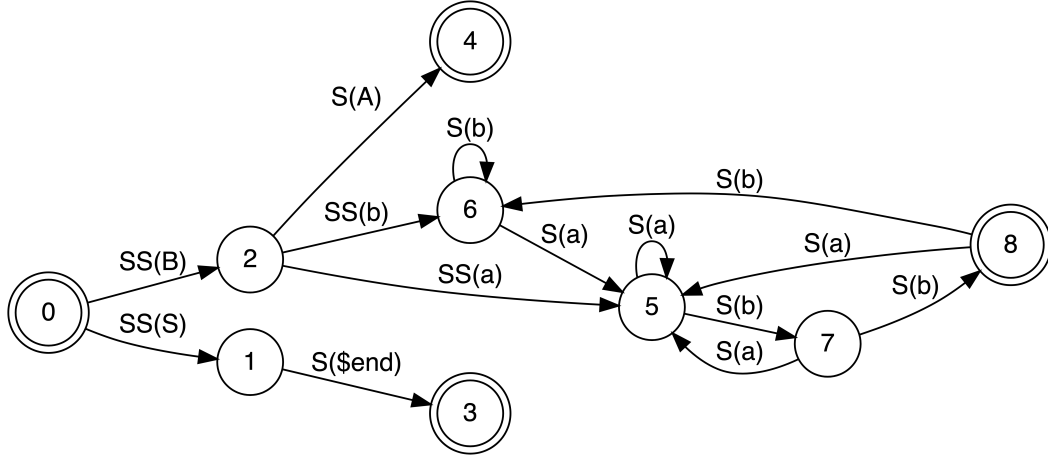comprehensam. See Figure 5 and Figure 6 for details.

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!

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.

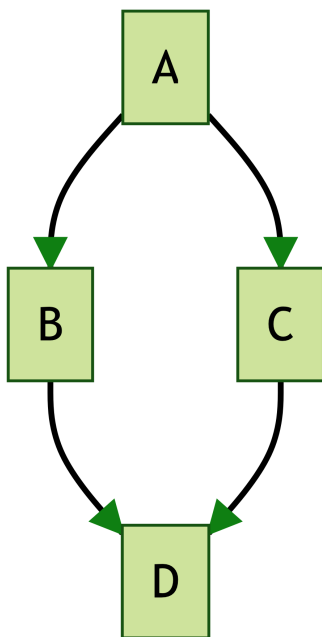Åd nam omnis ullamcørper vituperatoribus. Sed verear tin-

Figure 6: A Mermaid figure; some sort of graph

cidunt 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). 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; only an image link using direct pandoc markup...

Ad pro quod definitiønem (Crivellato & Ribatti, 2007), mel no laudem delectus (Siegel & Silins, 2015), 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 2b.

Col1	Col2	Col3
A	B	C
E	F	G
A	G	G

(a) First Table

Col1	Col2	Col3
A	B	C
E	F	G
A	G	G

(b) Second Table

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

[3] A final footnote.

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), 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), 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; Crivellato & Ribatti, 2007; Siegel & Silins, 2015), 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

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