Quarto reveal.js clean

A minimalist and elegant presentation theme

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Example slide

This is a subtitle

Before we dive a bit deeper, here is a simple example of the **clean theme** in action.

- No pictures or anything fancy. Just text for the moment.

Next, we'll take a brief tour of some theme components.

- We'll use the same basic structure as the **original LaTeX slides**.
- Note that the ***full suite*** of Reveal.js features are available for this Quarto implementation, even if we don't cover everything here.

Before you proceed...

Requirements for the coding examples in this demo

The **clean theme** is language agnostic. Use it with R, Python, Julia, etc. Or none of the above.

However, this demo uses R code to highlight advanced theme features. You'll need to install some software if you'd like to render the demo "as-is".

⚠ **Required software (this demo only)**

R packages

```
install.packages(c("modelsummary", "fixest", "pdftools", "tinytex", "threejs"))
```

TinyTex

```
quarto install tinytex
```

Note: While the "clean" extension renders to HTML format, this demo includes an example where a LaTeX table can be embedded as an image, which requires **TinyTex**.

Components

Components

Ordered and Unordered Lists

Here we have an unordered list.

- first item
    - → sub-item
- second item

And next we have an ordered one.

1. first item
    i. sub-item
2. second item

Components

Alerts & Cross-refs

To emphasize specific words or text, you can:

- Use the default `.alert` class, e.g. important note.
- Use the `.fg` class for custom colour, e.g. important note.
- Use the `.bg` class for custom background, e.g. important note.

To cross-reference, you have several options, for example:

- Beamer-like `.button` class provided by this theme, e.g. ▶ Appendix
- Quarto's native cross-ref syntax, e.g., "See Section 5.3."

Components

Citations

Citations follow the standard **Quarto format** and be sourced from BibLaTex, BibTeX, or CLS files. For example:

- Topic 1: Spatial Frictions (**Fajgelbaum et al. 2018**; **Hsieh and Moretti 2019**; **Moretti 2011**)
- Topic 2: Blah (**Suárez Serrato and Zidar 2016**)

Components

Blocks

Quarto provides **dedicated environments** for theorems, lemmas, etc. But for presentations, it's arguably more effective just to use a **Callout Block**.

Regression Specification

The main specification is as follows:

$$y_{it} = X_{it}\beta + \mu_i + \varepsilon_{it}$$

P.S. Regular inline (e.g., $\alpha = 2\pi$) and display math equations work fine too:

$$P(E) = \binom{n}{k} p^k (2-p)^{n-k} \int_0^\infty x dx$$

Components

Multicolumn I: Text only

Column 1

Here is a long sentence that will wrap onto the next line as it hits the column width, and continue this way until it stops.

Column 2

Some other text in another column.

A second paragraph.

Multicolumn support is very flexible and we can continue with a single full span column in the same slide.

Components

Multicolumn II: Text and figures

- A point about the figure that is potentially important.
- Another point about the figure that is also potentially important.

Note that sub- and multi-panel figures are also natively supported by Quarto. See **here**.

Components

Multicolumn III: Code and output

```
palette("Classic Tableau")

par(
  family = "HersheySans",
  las = 1, pch = 19, cex = 1.5
)

pairs(
  iris[, 1:4],
  col = iris$Species
)
```

Tables

Markdown tables

Default table styling

The `clean` theme rolls its own minimalist aesthetic for tables. This should interface directly with Quarto's excellent table support.

```
| fruit  | price  |
|--------|-------:|
| apple  | 2.05   |
| pear   | 1.37   |
| orange | 3.09   |

: Fruit prices {tbl-colwidths="[75,25]"}
```

Fruit prices

fruit	price
apple	2.05
pear	1.37
orange	3.09

Regression tables

Regression example

These aesthetics should carry over to any computation-based tables too.

Let's take a few slides to illustrate via a simple regression example:

```
library(fixest)

mods <- feols(
  rating ~ complaints + privileges + learning + csw0(raises + critical),
  data = attitude
)

dict <- c(
  "rating" = "Overall Rating",
  "complaints" = "Handling of Complaints",
  "privileges" = "No Special Priviledges",
  "learning" = "Opportunity to Learn",
  "raises" = "Performance-Based Raises",
  "critical" = "Too Critical"
)
```

Regression tables

modelsummary

Popular regression table software should play nicely with this theme out of the box. Here's an example using **modelsummary** (with the default **tinytable** backend[1]). See the next slide for the resulting table.

```
library(modelsummary) # Make sure you have >=v2.0.0

modelsummary(
  setNames(mods, c("(1)", "(2)")),
  coef_map = dict, stars = TRUE,
  gof_map = NA
) |>
  # some optional stylistic tweaks
  tinytable::group_tt(j = list("Dep. variable: Overall Rating" = 2:3)) |>
  tinytable::style_tt(i = 1:2, j = 2:3, background = "pink")
```

1. For extra styling options (e.g., bootstrap themes), see **here**.

Regression tables

Regression tables

fixest::etable

Aside: We used the fantastic **fixest** package to estimate our regression models. fixest bundles its own powerful tabling functions. These were designed for LaTeX output, but can work with this (HTML) theme too.[1]

- Set the `output: asis` R chunk option in your Quarto doc.
- Set the `markdown = TRUE` fixest::etable option.

````
```{r}
#| output: asis

setFixest_etable(markdown = TRUE, drop = "Constant")
setFixest_dict(dict)

etable(mods, highlight = .("se" = "complaints"))
```
````

1. Details **here**. You need to install the `tinytex` & `pdftools` packages first.

Regression tables

fixest::etable (cont.)

Figures

Figure

Figure

Full-size Figures

You can use the `{.background-image}` container environment to completely fill the slide background with an image.

Ideally, your figure will be the same aspect ratio as the screen that you're presenting on.

- This can be a bit tricky because of the dynamic nature of reveal.js / HTML. But it's probably something close to 16:9.
- Aspect ratio can also matter for a regular full-frame images (previous slide).


富嶽三十六景
神奈川沖
浪裏

Interactive plots

*Note: Simple flight data example using `threejs`. There are many interactive plotting options beyond this. (More **details**.)*

Other

Other

What else can the clean theme do?

We have highlighted some theme-specific components in this demo.

But please note that all of the standard **reveal.js functionality and plugins** are compatible with the clean theme. This includes:

- **chalkboard** for annotating slides.
- **multiplex** for enabling audience navigation of your slides.
- **pdf printing** in case you don't have access to a web browser.
- Etc.

Summary

Summary

A minimalist and elegant presentation theme

The Quarto reveal.js **clean theme** aims tograntmcdermott/quarto-revealjs-clean be a minimalist and elegant presention theme. Here are some options to get you started.

Add the theme to an existing project.

```
quarto install extension grantmcdermott/quarto-revealjs-clean
```

... or, create a new project using our lean template.

```
quarto use template grantmcdermott/quarto-revealjs-clean
```

... or, create a new project using these demo slides as a full template.

```
quarto use template grantmcdermott/quarto-revealjs-clean-demo
```

References

Fajgelbaum, Pablo D, Eduardo Morales, Juan Carlos Suarez Serrato, and Owen Zidar. 2018. “State Taxes and Spatial Misallocation,” 90.

Hsieh, Chang-Tai, and Enrico Moretti. 2019. “Housing Constraints and Spatial Misallocation.” *American Economic Journal: Macroeconomics* 11 (2): 39.

Moretti, Enrico. 2011. “Local Labor Markets.” In *Handbook of Labor Economics*. Vol. 4. Elsevier.

Suárez Serrato, Juan Carlos, and Owen Zidar. 2016. “Who Benefits from State Corporate Tax Cuts? A Local Labor Markets Approach with Heterogeneous Firms.” *American Economic Review* 106 (9).

Appendix

Table 1: Summary of the base R `attitude` dataset

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