

Book Cover



FRED GUTH

TUFTE-QUARTO PROJECT TYPE
DOCUMENTATION

THE PUBLISHER

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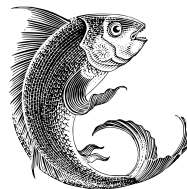
FREDGUTH.GITHUB.IO/TUFTE-QUARTO

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To my beloved daughter, Luisa, who always makes me proud.

WE KNOW THE PAST, BUT CANNOT CONTROL IT.
WE CONTROL DE FUTURE, BUT CANNOT KNOW IT.
-CLAUDE SHANNON



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Preface

The Tufte-Quarto project is an homage to [Edward Tufte](#). It simplifies the production of books using a layout that resembles [his books](#) (Edward R. Tufte 2001; Edward R. Tufte, Goeler, and Benson 1990; Edward R. Tufte et al. 1998) with a companion website. The goal is for the book and website share the same aesthetics.

Showcase

This documentation

This documentation itself is using Tufte-Quarto.

Dissertation

As an example, [my dissertation](#) is being refactored with Tufte-Quarto, it gives an idea of a complex document built with Tufte-Quarto.

Usage

To use this project type just:

```
quarto use template fredguth/tufte-quarto
```

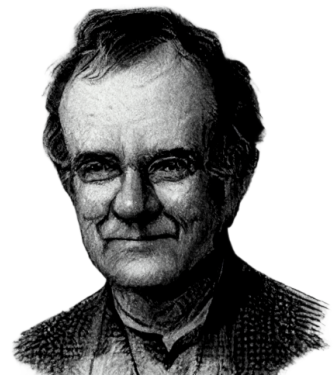


Figure 1: A portrait Edward R. Tufte, godfather of charts. Art by Fred Guth and MidJourney.

Tufte, Edward R. 2001. *The Visual Display of Quantitative Information*. 2nd ed. Cheshire, CT: Graphics Press.

Tufte, Edward R, Nora Hillman Goeler, and Richard Benson. 1990. *Envisioning Information*. Vol. 126. Graphics press Cheshire, CT.

Tufte, Edward R, Susan R McKay, Wolfgang Christian, and James R Matey. 1998. *Visual Explanations: Images and Quantities, Evidence and Narrative*. American Institute of Physics.

About Edward R. Tufte

Professor Emeritus of Political Science, Statistics and Computer Science at Yale University, Edward Tufte is an expert in the presentation of informational. Also known as *the godfather of charts*. Check [his website](#).

Customizing

You can customize your book by changing `_quarto.yml` and the files it referenes. This project organize files in 4 basic folders:

- 01-Front: for frontmatter content;
- 02-Main: for mainmatter content;
- 03-Back: for backmatter content;
- Cover
- Front Matter
 - Title Page
 - Copyright
 - Dedication
 - Epigraph/dictum
 - Table of Contents
- Main Matter
 - chapters
- Back Matter
 - references
 - appendices
 - acknowledgements
 - colophon

File Structure

Book Part	File	How to customize
Cover	images/bookcover.pdf	Replace the file. If no file, no cover.
Titlepage	_quarto.yml	Built from metadata. For further customization use partials .
Copyright	01-Front/dedication.tex	Replace or exclude/rename file.
Dedication	01-Front/dedication.tex	Replace or exclude/rename file.
Epigraph	01-Front/epigraph.tex	Replace or exclude/rename file.
ToC	_quarto.yml	Built from metadata. For further customization use partials .
Chapters	_quarto.yml	You can reference chapters, parts and apendices .
Acknolegements	03-Back/ack.qmd	Replace or exclude/rename file.
Colophon	03-Back/colophon.qmd	Replace or exclude/rename file.

Advanced Cutomization

In `_extensions/tufte/_extension.yml` you can check the default settings of the Tufte-Quarto Book type. All these settings can be overwritten in `_quarto.yml`.

The project uses [tufte-book](#) Latex class.

Customizing the Website

Besides the settings from `_extensions/tufte/_extension.yml` `> format > html` that can be overwritten in `_quarto.yml` `> format > html`, you can further customize the website by creating a `style.css` file and referencing it in `_quarto.yml`. Check `_extensions/tufte/style.css` as an example, but avoid changing

directly there as Tufte-Quarto updates may break your changes.

Known-issues

1. Tufte-book can't handle label inside caption.

Tufte-book.cls breaks when processing the line bellow:

```
[A way of flying](/Images/goya.jpg){.column-body #fig-goya}
```

which becomes:

```
\begin{figure}

{\centering \includegraphics{Images/goya.jpg}

}

\caption{\label{fig-goya}A way of flying}

\end{figure}
```

2. Can't render svg image in pdf and can't render pdf image in html.

- current solution is quite ugly:

```
::: {.content-hidden unless-format="pdf" }

![IBT "genealogy" tree.](/Images/dissertation-map.pdf){.column-margin width=90%}

:::
```

```

::: {.content-hidden unless-format="html"}

! [IBT "genealogy" tree.] (/Images/dissertation-map.svg) {.column-margin width=90%}

:::

```

For avoiding duplicating code, files are .svg in html by default and .pdf in pdf. So you can only:

```
! [IBT "genealogy" tree.] (/Images/dissertation-map) {.column-margin width=90%}
```

3. Tufte-class works only until subsection -> ### subsection; #### subsubsection-> returns error
4. sidecite is duplicating citations in the same margin. Solved this same problem in my dissertation and in the kaobook class. Only problem is that Tufte-book class is a little too cryptic for me.

About

References

Acknowledgements

Many thanks to the Quarto team for creating this wonderful tool. I am also grateful for the support I got at [Quarto's Discussion Board](#), specially:

- Mickaël Canouil (@mcanouil);
- Charles Teague (@dragonstyle);
- Raniera Silva (@rgaiacs); and
- Christophe Dervieux (@cderv)

Colophon

Composed in ET Book, a free and open-source typeface designed by Dmitry Krasny, Bonnie Scranton, and Edward Tufte; and T_EXGyre Heros, a fontbased on the URW Nimbus Sans L kindly released by URW++ Design and Development Inc. under GFL. Based on [Tufte-Latex](#) and [Quarto](#).

