

Book Cover



FRED GUTH

TUFTE-QUARTO PROJECT TYPE DOCUMENTATION

THE PUBLISHER

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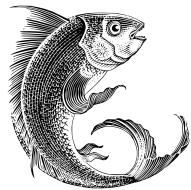
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To my beloved daughter, Luísa, who always makes me proud.

WE KNOW THE PAST, BUT CANNOT CONTROL IT.

WE CONTROL DE FUTURE, BUT CANNOT KNOW IT.

-CLAUDE SHANNON



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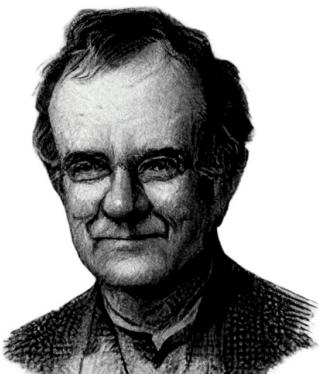
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Preface



The Tufte-Quarto project is an homage to [Edward Tufte](#). It simplifies the production of books using a layout that resembles [his books](#)[[Tufte, 2001](#), [Tufte et al., 1990, 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.

Edward R. Tufte. *The Visual Display of Quantitative Information.* Graphics Press, Cheshire, CT, 2nd ed. edition, 2001. ISBN 978-0-9613921-4-7

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

Edward R Tufte, Susan R McKay, Wolfgang Christian, and James R Matey. *Visual explanations: Images and quantities, evidence and narrative.* American Institute of Physics, 1998

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
```

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 references. This project organizes files in 4 basic folders:

- 01-Front: for frontmatter content;
- 02-Main: for mainmatter content;
- 03-Back: for backmatter content;

Book Structure

- 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 .
Acknolegements03-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

Edward R. Tufte. *The Visual Display of Quantitative Information*. Graphics Press, Cheshire, CT, 2nd ed. edition, 2001. ISBN 978-0-9613921-4-7.

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

Edward R Tufte, Susan R McKay, Wolfgang Christian, and James R Matey. *Visual explanations: Images and quantities, evidence and narrative*. American Institute of Physics, 1998.

Acknowledgements

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

Colophon

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

