

# Book Cover





FRED GUTH

TUFTE-QUARTO PROJECT TYPE  
DOCUMENTATION

THE PUBLISHER

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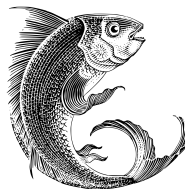
FREDGUTH.GITHUB.IO/TUFTE-QUARTO

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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



# *Contents*

*Preface*      3

*Showcase*      3

*Usage*      4

*About Edward R. Tufte*      4

*Customizing*      5

*Book Structure*      5

*File Structure*      6

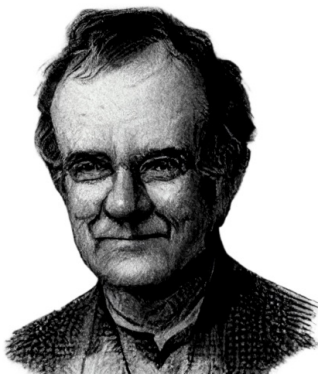
*Customizing the Website*      6

*Known-issues*      9





# *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 referenes. This project organize 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 <a href="#">partials</a> .
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 <a href="#">partials</a> .
Chapters	_quarto.yml	You can reference <a href="#">chapters, parts and apendices</a> .
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*

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*

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);
- Raniere 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<sub>E</sub>XGyre Heros, a font based on the URW Nimbus Sans L kindly released by URW++ Design and Development Inc. under GFL. Based on [Tufte-Latex](#) and [Quarto](#).

