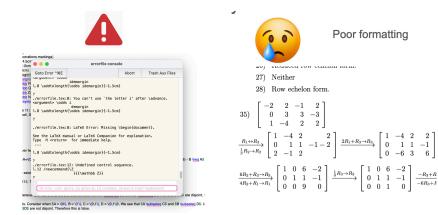
# Bookdown: Flexible Document Creation in RStudio

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# Ever have trouble with your LaTeX document?



## Introducing Bookdown

- Generate printer-ready books and ebooks from R Markdown documents.
- A markup language easier to learn than LaTeX, and to write elements such as section headers, lists, quotes, figures, tables, and citations.
- Multiple choices of output formats: PDF, LaTeX, HTML, EPUB, and Word.
- Support a wide range of languages: R, C/C++, Python, Fortran, Julia, Shell scripts, and SQL, etc.
- ▶ LaTeX equations, theorems, and proofs work for all output formats.
- Can be published to GitHub, bookdown.org, and any web servers.
- Integrated with the RStudio IDE.
- One-click publishing to https://bookdown.org.

## But why Bookdown?

MArkdowns better friend Pandoc allows robust markdown editing.

```
31
32
    Bookdown supports a wide range of Markdown formatting.
33
    - **Bold**: `**bold text**` → **bold text**
34
    - *Italics*: `*italicized text*` → *italicized text*
35
36
    - **Bullet Points**:
37
      - First item
38

    Second item

39
    - **Numbered Lists**:
40
      1. First item
41
         - Even sublists
42
         - Like this
      2. Second item
43
44
45
    For additional text formatting options refer to [Chapt
46
```

## Seamlessly Embed Code

 Union Wage Premium: I also calculated the "union wage premium," which is basically the extra amount union workers make compared to nonunion workers.

#### Embed LaTeX

```
::: {.theorem #theoremlabel}
This is a `theorem` environment that can contain **any**
    _Markdown_ syntax.
For any integer $n \geq 1$, the sum of the first $n$ positive integers is given by
$$
S = \frac{n(n + 1)}{2}
$$
```

**Theorem 5.1** This is a theorem environment that can contain **any** Markdown syntax. For any integer  $n \ge 1$ , the sum of the first n positive integers is given by

$$S = \frac{n(n+1)}{2}$$

# Embedding RStudio Plots

### Customizable Aesthetics

# Output to multiple Formats

# Analysis Created in Bookdown