



Sample Book

Author \#1 of Sample Book & Author \#2 of Sample Book

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Feature Showcase

This document demonstrates all the features available in the typst-pandoc converter.

1.1. Text Formatting

Basic formatting includes **bold**, *italic*, and ***bold italic*** text. You can also use ~~strikethrough~~ and `inline code`.

1.2. Headings

1.2.1. Level 3 Heading

1.2.1.1. Level 4 Heading

1.2.1.1.1. Level 5 Heading

1.2.1.1.1.1. Level 6 Heading

1.3. Lists

1.3.1. Unordered Lists

- Item 1
- Item 2
 - Nested item 2.1
 - Nested item 2.2
- Item 3

1.3.2. Ordered Lists

1. First item
2. Second item
 1. Nested item 2.1

2. Nested item 2.2

3. Third item

1.3.3. Definition Lists

Term 1

Definition 1

Term 2

Definition 2.1

Definition 2.2

1.4. Tables

Feature	Description	Support
Tables	Basic tables with alignment	✓
Lists	Ordered and unordered lists	✓
Code	Syntax highlighting	✓

1.5. Code Blocks

```
def hello_world():  
    print("Hello, World!")  
function greet(name: string): void {  
    console.log(`Hello, ${name}!`);  
}
```

1.6. Blockquotes

This is a blockquote. It can span multiple lines. > And it can be nested.

1.7. Images

Here's an example image:

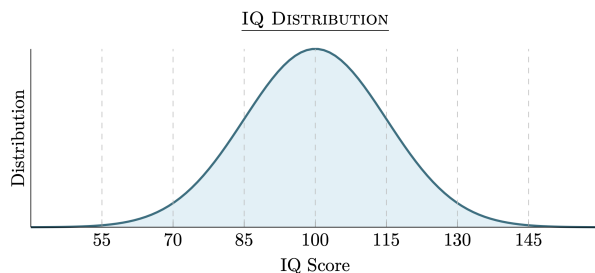


Figure 1: Example graph showing data visualization

1.8. Mathematical Equations

Inline math: $E = mc^2$

Display math:

$$\int_a^b x^2 dx = \left[\frac{x^3}{3} \right]_a^b$$

1.9. Cross-references

See Tables for more information.

1.10. Abbreviations

The HTML`{.abbr title="HyperText Markup Language"}` specification is maintained by the W3C`{.abbr title="World Wide Web Consortium"}`.

1.11. Footnotes

Here's a sentence with a footnote¹.

1.12. Bibliography

Here's a citation (Doe, 2023).

1.13. Horizontal Rule

1.14. Custom Divs

This is a warning message styled with custom CSS.

This is a note message styled differently.

¹This is the footnote text with some **formatting** and a citation (Doe, 2023).

CHAPTER II

Introduction

Welcome to this comprehensive **Pandoc & LaTeX Feature Test**. This document is meant to exercise as many Markdown, Pandoc, and LaTeX constructs as possible, including:

The only limit to our realization of tomorrow is our doubts of today.
“JANE DOE”

- Headings of various levels
- Emphasis (italic, bold, bold-italic, strikethrough)
- Inline and display mathematics
- Footnotes and citations
- Blockquotes (including nested)
- Lists (unordered, ordered, nested, definition lists)
- Tables (pipe tables, grid tables)
- Fenced code blocks with syntax highlighting
- Images with attributes
- Links (inline, reference-style, auto-links)
- Abbreviations and citations
- Raw LaTeX and raw HTML blocks
- Divs with custom attributes
- Horizontal rules
- Definition lists
- Cross-references and headings references

Let's dive in.

2.1. Emphasis and Inline Code

You can have *italic* text, **bold** text, and ***bold-italic*** text all in one paragraph.

Strikeout is also supported via ~~strikethrough~~.

Inline code: `printf("Hello, World!\n");` is rendered as code.

You can use backticks in code spans by wrapping in more backticks, e.g.:

```
``This is a `code` span``
```

2.2. Mathematics

Inline math can be written as $E = mc^2$ or $a^2 + b^2 = c^2$.

Display math is surrounded by \dots :

$$\int_0^\infty e^{-x^2} dx = \frac{\sqrt{\pi}}{2}$$

You can also include LaTeX environments like `align` (requires `--mathjax` or a LaTeX engine):

```
\begin{align}
  f(x) &= x^2 + 2x + 1 \\
  g(x) &= \sin(x) + \cos(x)
\end{align}
```

Rendered as:

$$f(x) = x^2 + 2x + 1$$
$$g(x) = \sin(x) + \cos(x)$$

2.3. Footnotes

This sentence has a footnote.²

Another sentence with multiple footnotes.^{3,4}

²This is the footnote text with some **formatting** and a citation (Doe, 2023).

³First footnote text.

⁴Second footnote text, referencing a LaTeX macro: $\$+ = \$$.

2.4. Citations

Here is a citation to a classic work in adaptation: (Doe, 2023). Multiple citations: (Doe, 2023; Smith, 2024). Citation with page number: (Smith, 2024, p. 42).

If you have multiple bibliographies, you can specify in frontmatter (not shown here).

2.5. Blockquotes

This is a top-level blockquote.

This is a nested blockquote.

- And it can contain lists
- Or other blockquotes

Nested again!

Back to level 1. And you can include formatting like **bold** and *italic* inside.

2.6. Lists

2.6.1. Unordered Lists

- Level 1, item 1
- Level 1, item 2
 - Level 2, item 1
 - Level 3, item 1
 - Level 3, item 2
 - Level 2, item 2

- Level 1, item 3

2.6.2. Ordered Lists

1. First item
2. Second item
 1. Sub-item (a)
 2. Sub-item (b)
 1. Sub-sub-item (i)
 2. Sub-sub-item (ii)
3. Third item

2.6.3. Definition Lists

Term 1

Definition of term 1, which can be quite long and wrap onto multiple lines. Still part of the same definition.

Term 2

Definition of term 2.

2.7. Tables

2.7.1. Pipe Table

Syntax	Description	Test
Header 1	Header 2	Header 3
:--	--: (right align)	::: (center)
Left	Right	Center
Bold	<i>Italic</i>	Strikethrough

2.8. Images

Here is an image with attributes:

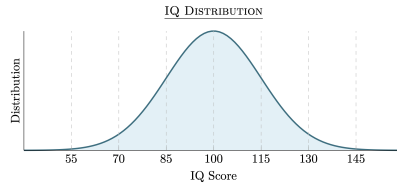


Figure 2: An example image

2.9. Links

- Inline link: Pandoc Homepage
- Reference-style link: GitHub
- Auto-link: <https://www.example.com>

2.10. Abbreviations

This document uses abbreviations such as `HTML{:.abbr}`, `LaTeX{:.abbr}`, and `PDF{:.abbr}`.

Note: To enable abbreviations, compile with `--abbreviations`.

2.11. Definition Lists with Inline Formatting

Pandoc Markdown also supports definition lists with inline code and formatting:

Markdown

: A lightweight markup language with plain-text formatting syntax.

LaTeX

: A document preparation system and markup language for typesetting.

Pandoc

: A universal document converter.

Renders as:

Markdown

A lightweight markup language with plain-text formatting syntax.

LaTeX

A document preparation system and markup language for typesetting.

Pandoc

A universal document converter.

2.12. Raw LaTeX and Raw HTML Blocks

Raw LaTeX example:

```
\begin{theorem}
  Let  $G$  be a group. Then  $G$  has a unique identity element.
\end{theorem}
```

Raw HTML example:

```
<table>
  <tr><th>HTML</th><th>Table</th></tr>
  <tr><td>Row A</td><td>Row B</td></tr>
</table>
```

When converting to LaTeX, the HTML block will be ignored (unless you use `--filter pandoc-citeproc` or similar). Conversely, when converting to HTML, the LaTeX block is ignored.

2.13. Fenced Code Blocks

2.13.1. Python Example

```
def fibonacci(n):
    """Return the n-th Fibonacci number."""
    a, b = 0, 1
    for _ in range(n):
        a, b = b, a + b
    return a

print(fibonacci(10)) # Should print 55
```


2.13.2. Shell Example

```
#!/usr/bin/env bash
# Example build script snippet
```

```
pandoc chapters/*.md \
  --metadata-file=metadata.yaml \
  --to=pdf \
  --pdf-engine=xelatex \
  -o output/book.pdf
```

2.13.3. LaTeX Example

```
\documentclass{article}
\begin{document}
Hello, LaTeX world!
\end{document}
```

2.14. Divs and Custom Attributes

You can create custom-attributed Divs to test Pandoc's extension:

```
::: warning
Warning: This is a custom-styled warning block.
:::

::: note
Note: This is a custom note block with italic and bold.
:::
```

Pandoc will translate these into `<div class="warning">` or `<div class="note">` in HTML, or into custom wrappers if you use a LaTeX template that recognizes warning and note.

2.15. Horizontal Rules

Use three or more hyphens or asterisks:

```
-----
-----
-----
-----
```

2.16. Cross-references

If you label a heading, you can refer to it later. For example:

Methods `{#sec:methods}`

Details about methods...

As discussed in [Section 2.1](`#sec:methods`), we see that...

Section 2.1

`[@ref(cross-references)]`

After processing (e.g., via `--number-sections --reference-links`), “Section 1.1” (or similar) is automatically inserted.

2.17. Conclusion

This document has exercised a wide variety of Pandoc Markdown and LaTeX constructs. Use this as a template to test converters, templates, filters, and engines.

Feel free to modify, extend, or trim sections to suit your testing needs.

Bibliography

Doe, J. (2023). Example Paper Title. *Example Journal*, 1(1), 1–10.

Smith, J. (2024). *Handbook of Technical Writing*. Example Press.