

# md-export

A command-line tool to convert Markdown files to PDF or HTML with GitHub-style formatting.

## Features

- **PDF Export** via Pandoc + Typst (lightweight, fast, high quality)
- **HTML Export** with GitHub-style CSS
- **Smart Table Formatting**
  - Automatic column width detection
  - Word wrapping enabled
  - Last column extends to fill available space
  - Header: 11pt bold, Body: 10pt
- **Preserved Inline Formatting** in tables (bold, italic, code, links)
- **Task List Checkboxes** render as proper checkboxes (☐ / ☒)
- **Emoji Support** - converts `:smile:` shortcodes to actual emojis 😊
- **PDF Footer** with filename and export timestamp
- **0.5in margins** on PDF output

## Installation

### Prerequisites

```
# Install Pandoc
brew install pandoc

# Install Typst (required for PDF export)
brew install typst
```

### Install md-export

```
# Clone the repository
git clone https://github.com/yourusername/md_export.git
cd md_export

# Install globally
./install.sh
```

To uninstall:

```
./uninstall.sh
```

## Usage

```
# Convert to PDF (default)
md-export document.md

# Convert to HTML
md-export -t html document.md

# Specify output filename
md-export -o report.pdf document.md
```

```
# Show help
md-export --help
```

## Options

Option	Description
<code>-t, --type TYPE</code>	Output type: <code>html</code> or <code>pdf</code> (default: <code>pdf</code> )
<code>-o, --output FILE</code>	Output filename (default: input name with new extension)
<code>-h, --help</code>	Show help message
<code>-v, --version</code>	Show version

## Examples

See the comprehensive test files demonstrating supported Markdown features:

- Markdown Source
- PDF Output
- HTML Output

## Supported Markdown Features

Feature	PDF	HTML
Headers (h1-h6)	✓	✓
Bold / Italic / Strikethrough	✓	✓
Inline code	✓	✓
Code blocks (with syntax hints)	✓	✓
Links	✓	✓
Images (local files)	✓	✓
Ordered / Unordered lists	✓	✓
Nested lists	✓	✓
Task lists (checkboxes)	✓	✓
Blockquotes	✓	✓
Tables	✓	✓
Table cell formatting	✓	✓
Horizontal rules	✓	✓
Emoji shortcodes	✓	✓

## Not Supported

- Math/LaTeX equations (Typst uses different syntax)
- Footnotes

- Raw HTML (stripped)
- Mermaid diagrams

## Project Structure

```
md_export/
├── md-export          # Main script
├── install.sh         # Global installation script
├── uninstall.sh       # Uninstall script
├── templates/
│   └── pdf.typ        # Typst template for PDF output
├── filters/
│   ├── tables.lua     # Smart table formatting
│   ├── tasks.lua      # Task list checkbox rendering
│   └── emoji.lua      # Emoji shortcode conversion
└── examples/
    ├── comprehensive_test.md
    ├── comprehensive_test.pdf
    └── comprehensive_test.html
```

## Customization

### PDF Styling

Edit `templates/pdf.typ` to customize: - Page margins - Fonts and sizes - Header styles - Table appearance - Footer format

### Adding Emojis

Edit `filters/emoji.lua` to add additional emoji shortcodes to the `emoji_map` table.

## License

MIT