

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
 - Short columns use auto-width, longer columns share space proportionally
 - 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
-t, --type TYPE	Output type: html or pdf (default: pdf)
-o, --output FILE	Output filename (default: input name with new extension)
-h, --help	Show help message
-v, --version	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