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
-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