1. PUBLISHING PDF DOCS

alt

1.1 Abstract

1.2 Introduction

PubCSS 縺ｯ鬘ｯ雉ｫ攵枚蜷代¢縺ョCSS縺ｧ縺吶ゅ％繧後ｉ繧堤・畑縺※縺ｫオ荳譖ｯ蟒上→縺勧※縺ョ繧ｹ繧ｿ繧、繝ｫ繝ｦ繝ｫ繧ｒ繧定ｮ。後＞縺ｾ縺吶　prince縺�溘繧。？TML繧単DF縺ｸ蜻画鋤縺吶ｋ CLI繧� 繝ｳ繝ｳう 繝ｴ繝ｳう 縺ｧ縺吶ゅ mdpdf縺ｯ繧。`arkdown繧単DF縺ｸ蜻画鋤縺吶ｋ CLI繧ｯ繝ｳ繝ｳ繝ｳう 繝ｴ繝ｳう 縺ｧ縺吶ゅ

1.3 Methodologies

1.3.1 Prerequisites

- Prince - Download Prince 15.4
- GitHub - elliotblackburn/mdpdf: Markdown to PDF command line app with support for stylesheets
- GitHub - kuangdash/pubcss: Format academic publications in HTML & CSS

1.3.2 Steps

Install prince

Then add alias to shell config - e.g.: `~/.config/fish/config.fish`

```
[]alias prince_win '/mnt/c/Program¥ Files¥ ¥(x86¥)/Prince/engine/bin/prince.exe'
```

`prince_win input.html -o output.pdf`

```
[]npm i -g mdpdf
[]
[]# 謁·莉
[]echo '<header><span class=¥"date¥"></span></header>' > header.html
[]
[]# Filepath, 綱壹繧ｸ逡ｪ蜿ｷ
[]echo '<footer><span style=¥"font-size: 10px¥"><span class=¥"pageNumber¥"></span>/<span class=¥"totalPages¥"></span></span></footer>' > footer.html
```

Install PubCSS

```
[]git clone https://github.com/kuangdash/pubcss.git
[]cd kuangdash/pubcss
[]
[]cp formats/acm-sig/css/pub.css . # 隴-蕘矩鹸
[]# cp formats/acm-sigchi/css/pub.css . # 莨夊ｭ-隴佚ｷ枚
[]# cp formats/acm-sigchi-ea/css/pub.css . # 謚。蝶ｵ繝「綱悶せ綱医∧繧ゥ綱
[]# cp formats/ieee/css/pub.css . # IEEE莨夊ｭ-縺ョ隴-蕘矩鹸
```

Build PDF - Using prince

```
prince input.html output.pdf
```

• Using mdpdf

```
set note Notes/pending/demo-note1.md

mdpdf $note ¥
--style pub.css ¥
--gh-style false ¥
--format A4 ¥
--border '20mm' ¥
--header header.html ¥
# --footer footer.html ¥
# --debug : save as HTML
# --pdf-options '{ ¥
#       "printBackground": true ¥
#   }'
```

• Bulk processing

```
fd -t f "$notes*" -g --max-depth 1  --ignore src |
parallel mdpdf {} ¥
--style pub.css ¥
--gh-style false ¥
--format A4 ¥
--border '20mm' ¥
--header header.html
```

1.3.3 Patching CSS

PubCSS縺ｮ繧√＞縺上▽縺九諢ｹ蝟ｒ陦後＞縺ｾ縺吶

```css
/*  謌･謌ｬ隱楢蛻 ｶ 繧ｫ綷ｳ絲蜑医護ｮ */

body {
    font-family: "Noto Serif JP", "Times New Roman",
Times, serif;
    ..
}


/* Header */
header {
    display: flex;
    justify-content: flex-end;
    align-items: center;
    height: 60px;
    background-color: #fff;
    padding: 0 20px;
    margin-bottom: 20px;
}

.date {
    text-align: center;
    display: inline-block;
    margin-right: 20px;
}
```

```css

/* Footer */
footer {
    font-size: 8pt;
    margin: .5em 0;
}

#footer p {
    border-top: 1px solid darkgray;
    margin-top: 5px;
    padding: 5px;
}

.title, .totalPages, .pageNumber {
    font-size: 8pt;
    font: "Noto Serif JP";
}

/* Numbering */
h1 {
    counter-reset: h2;
}

h2 {
    counter-reset: h3;
}

#write h2:before {
    counter-increment: h2;
    content: counter(h2) ". ";
}

#write h3:before {
    counter-increment: h3;
    content: counter(h2) "." counter(h3) ". ";
}

/* 繧ｳ繝ｼ繝蟯ｨ ｹ繝ｳ繝ｫ縺ｳ隲ｳ｡ 髴斐@ */
.force-word-wrap pre code {
    white-space: pre-wrap;
    word-wrap: break-word;
    overflow-wrap: break-word;
    word-break: keep-all;
}


/* 繧ｳ繝ｼ繝蟯ｨ ｹ繝ｳ繝ｫ縺ｳ蜊-蛻ｷ逑ｱ驟崎牡 */
pre {
    background-color: white;
}


@media print {
    /* Token (hljs) styling within code blocks */
```

```
[]   pre > code .hljs-em { font-style: italic; }
[]   pre > code .hljs-link { text-decoration:
underline; }
[]   pre > code .hljs-strikethrough { text-
decoration: line-through; }
[]   pre > code .hljs-{ color: #000; }
[]   pre > code .hljs-keyword { color: #708; }
[]   pre > code .hljs-number { color: #164; }
[]   pre > code .hljs-variable { color: #c5a; }
[]   pre > code .hljs-punctuation { color: inherit; }
[]   pre > code .hljs-property { color: inherit; }
[]   pre > code .hljs-operator { color: inherit; }
[]   pre > code .hljs-def { color: #00f; }
[]   pre > code .hljs-atom { color: #219; }
[]   pre > code .hljs-variable-2 { color: #05a; }
[]   pre > code .hljs-type { color: #085; }
[]   pre > code .hljs-comment { color: #140; }
[]   pre > code .hljs-string { color: #a11; }
[]   pre > code .hljs-string-2 { color: #f50; }
[]   pre > code .hljs-meta { color: #555; }
[]   pre > code .hljs-qualifier { color: #555; }
[]   pre > code .hljs-builtin { color: #30a; }
[]   pre > code .hljs-bracket { color: #997; }
[]   pre > code .hljs-tag { color: #a50; }
[]   pre > code .hljs-attribute { color: #00c; }
[]   pre > code .hljs-hr { color: #999; }
[]   pre > code .hljs-link { color: #00c; }
[]}
```

縺昴莉悶？TML縺ョ繧ヶ繝九繝ヨ

```
[]<!-- 繝医ャ繝礼判蜒 -->
[]<div class='top' align='center'>
[]   <img src='top.png' alt='alt' height='200px'>
[]</div>
[]
[]<!-- 透ョ谺。 -->
[]<div class="toc">
[]
[]</div>
[]
[]<!-- 謾ヶ陦 -->
[]<div style="page-break-after: always;"></div>
```

1.4 References

1. princexml
2. PubCSS: Formatting Academic Publications in HTML &
   CSS | Thomas Park
3. PubCSS: Formatting Academic Publications in HTML &
   CSS - JOYK Joy of Geek, Geek News, Link all geek