



Pacific
Community
Communauté
du Pacifique

3 Markdown

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SPC Git/GitHub Workshop
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Overview

Markup languages *LaTeX, HTML, Markdown*

Markdown flavors *GitHub, R Markdown, Quarto*

Formatting text *heading, bold, italic, list,
quote, linebreak, horizontal line, code, link*

Other elements *table, figure, GitHub user/issue/commit*

Markup Languages

Markup Languages

LaTeX

Introduced: 1978/1985

Original purpose: books, articles, reports, slides

Today: can be used directly or as an engine to produce PDF

HTML

Introduced: 1991

Original purpose: webpages

Today: paperless format, less restrictive than the 'paper metaphor' PDF format

Markdown

Introduced: 2004

Original purpose: easy-to-write, easy-to-read, optionally convert to HTML

Today: can produce HTML or PDF (via LaTeX), can run R code

Markup Languages

LaTeX: file.tex

```
\documentclass{article}  
\begin{document}  
Hello world  
\end{document}
```

HTML: file.html

```
<!DOCTYPE html>  
<title></title>  
<body>  
<p>Hello world
```

Markdown: file.md

```
Hello world
```

Markdown Flavors

Markdown Flavors

GitHub Flavored Markdown

Features: table, autolink, user/issue/commit

Usefulness at SPC: README.md, GitHub discussions

R Markdown

Features: run R code

Usefulness as SPC: R analyses, HTML/PDF documents

Quarto

Features: run R and Python code

Usefulness as SPC: R analyses, HTML/PDF documents

Formatting Text

Formatting Text

```
# Heading level 1
## Heading level 2
### Heading level 3
```

```
**bold**
```

```
*italic*
```

```
* unordered
```

```
* list
```

```
- alternative
```

```
- style
```

```
1. ordered
```

```
2. list
```

Formatting Text (cont.)

```
> quoted  
> text
```

```
line\  
break
```

```
---
```

```
Inline `code`
```

```
```
```

```
code block
```
```

```
https://example.com  
[click here](https://example.com)
```

Formatting Other Elements

Formatting Other Elements

```
| Table | Header |  
| ----- + ----- +  
| Data  | Values |  
| Data  | Values |
```

```

```

```

```

```
@user      - github username  
#1          - github issue number  
e15ccce    - github commit sha code
```

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