

# Markdown Plus

Markdown Plus ("M+" or "mdp" for short) is a markdown editor with extra features.

---

## Table of Contents

[TOC]

Note: Only `h2` and `h3` are shown in toc.

## Mastering Markdown

Markdown allows you to write using an easy-to-read, easy-to-write plain text format, which then converts to valid HTML for viewing.

Mastering Markdown Guide

(<https://guides.github.com/features/mastering-markdown/>).

**strikethrough**

**++insert++**

**==mark==**

**Subscript: H~2~O**

You can also use inline math:  $H_2O$

**Superscript: 29<sup>th</sup>**

You can also use inline math:  $29^{th}$

**Emoji: :panda\_face: :sparkles: :camel:  
:boom: :pig:**

Emoji Cheat Sheet (<http://www.emoji-cheat-sheet.com/>)

**Fontawesome: :fa-cab: :fa-flag: :fa-bicycle:  
:fa-leaf: :fa-heart:**

All the Font Awesome icons (<http://fontawesome.io/icons/>)

ionicons: :ion-printer: :ion-social-tux: :ion-lock-combination: :ion-ios-medkit: :ion-coffee:

All the Ionicons icons (<http://ionicons.com/>)

print 'hello code'

```
evens = [1, 2, 3, 4, 5].collect do |item|
  item * 2
end
```

```
$(document).ready(function() {
  $('pre code').each(function(i, block) {
    hljs.highlightBlock(block);
  });
});
```

Code Formatting (<https://help.github.com/articles/markdown-basics/#code-formatting>)

## Tables and alignment

First Header	Second Header
Content from cell 1	Content from cell 2
Content in the first column	Content in the second column

Left-Aligned	Center Aligned	Right Aligned
col 3 is	some wordy text	\$1600
col 2 is	centered	\$12

Table Syntax (<https://help.github.com/articles/github-flavored-markdown/#tables>)

## Task list

- [ ] a bigger project
  - [x] first subtask
  - [x] follow up subtask
  - [ ] final subtask
- [ ] a separate task

Task List Syntax (<https://help.github.com/articles/writing-on-github/#task-lists>)

## Abbreviation

Markup is based on [php markdown extra](https://michelf.ca/projects/php-markdown/extra/#abbr) (<https://michelf.ca/projects/php-markdown/extra/#abbr>) definition, but without multiline support:

\*[HTML]: Hyper Text Markup Language \*[W3C]: World Wide Web Consortium The HTML specification is maintained by the W3C.

# Footnote

Here is a footnote reference,[<sup>1</sup>] and another.[<sup>longnote</sup>]

[<sup>1</sup>]: Here is the footnote.

[<sup>longnote</sup>]: Here's one with multiple blocks.

Subsequent paragraphs are indented to show that they

belong to the previous footnote.

Here is an inline note.<sup>^</sup>[Inlines notes are easier to write, since you don't have to pick an identifier and move down to type the note.]

Footnote Syntax (<http://pandoc.org/README.html#footnotes>)

## Mathematical formula $y = x^2$

Inline math:

$$\frac{\frac{1}{2}[1-(\frac{1}{2})^n]}{1-\frac{1}{2}} = s_n$$
.

Math block:

```
\oint_C x^3\, dx + 4y^2\, dy
```

```
2 = \left(
\frac{\left(3-x\right)}{2} \times 2\right)^{3-x}
\right)
```

```
\sum_{m=1}^\infty \sum_{n=1}^\infty \frac{m^2}{n}
\{3^m \left(m, 3^{n+n}, 3^m\right)\}
```

```
\phi_n(\kappa) =
\frac{1}{4\pi^2 \kappa^2} \int_0^\infty
\frac{\sin(\kappa R)}{\kappa R}
\frac{\partial}{\partial R}
\left[R^2 \frac{\partial D_n(R)}{\partial R}\right] dR
```

## Mathematical Formula Syntax

([http://meta.wikimedia.org/wiki/Help:Displaying a formula](http://meta.wikimedia.org/wiki/Help:Displaying_a_formula))

# AsciiMath

Inline AsciiMath:  $\frac{1}{2}[1-(1/2)^n]/(1-(1/2))=s_n$

```
\oint_C x^3 dx+4y^2 dy
```

```
2=(((3-x)xx2)/(3-x))
```

```
sum_(m=1)^oosum_(n=1)^oo(m^2 n)/(3^m(m3^n+n3^m))
```

```
\phi_n(\kappa) = 1/(4\pi^2 \kappa^2)
\int_0^\infty (\sin(\kappa R))/(\kappa R)
d\ell/(d\ell R)
[R^2 (d\ell D_n(R))/(d\ell R)] d\ell R
```

## Flowchart

```
graph TD
  A[Christmas] -->|Get money| B(Go shopping)
  B --> C{Let me think}
  C -->|One| D[Laptop]
  C -->|Two| E[iPhone]
  C -->|Three| F[Car]
```

[Flowchart Syntax \(http://kns.github.io/mermaid/#flowcharts-basic-syntax\)](http://kns.github.io/mermaid/#flowcharts-basic-syntax)

::: warning Adding many flowcharts will slow down the editor. :::

## Sequence diagram

```
sequenceDiagram
    loop every day
        Alice->>John: Hello John, how are you?
        John-->>Alice: Great!
    end
```

[Sequence Diagram Syntax \(http://kns.github.io/mermaid/#sequence-diagrams\)](http://kns.github.io/mermaid/#sequence-diagrams)

::: warning Adding many sequence diagrams will slow down the editor.

:::

# Gantt diagram



```

gantt
  dateFormat YYYY-MM-DD
  title Adding GANTT diagram functionality to mermaid

  section A section
    Completed task           :done,    des1, 2014-01-06,20
14-01-08
    Active task              :active,   des2, 2014-01-09, 3
d
    Future task              :         des3, after des2, 5
d
    Future task2             :         des4, after des3,
5d

  section Critical tasks
    Completed task in the critical line :crit, done, 2014-0
1-06,24h
    Implement parser and jison          :crit, done, after
des1, 2d
    Create tests for parser             :crit, active, 3d
    Future task in critical line        :crit, 5d
    Create tests for renderer           :2d
    Add to mermaid                     :1d

  section Documentation
    Describe gantt syntax               :active, a1, after
des1, 3d
    Add gantt diagram to demo page      :after a1 , 20h
    Add another diagram to demo page    :doc1, after a1 ,
48h

  section Last section
    Describe gantt syntax               :after doc1, 3d
    Add gantt diagram to demo page      : 20h
    Add another diagram to demo page    : 48h

```

Gantt Diagram Syntax (<http://kns.v.github.io/mermaid/#gant-diagrams>)

::: warning Adding many gantt diagrams will slow down the editor. :::

## Custom Container

Markup is similar to fenced code blocks. Valid container types are `success` , `info` , `warning` and `danger` .

::: info You have new mail. :::

::: danger Staying up all night is bad for health. :::

## Definition list

Term 1 ~ Definition 1

Term 2 ~ Definition 2a ~ Definition 2b

Definition List Syntax (<http://pandoc.org/README.html#definition-lists>)

## HTML

If you find the markdown syntax too limited, you can try some HTML:



<https://github.com/tylingsoft/markdown-plus>

# Charts

Documentation for charts (<http://www.chartjs.org/docs/>)

## Line Chart

```
{
  "type": "line",
  "data": {
    "labels": [
      "January",
      "February",
      "March",
      "April",
      "May",
      "June",
      "July"
    ],
    "datasets": [
      {
        "label": "# of bugs",
        "fill": false,
        "lineTension": 0.1,
        "backgroundColor": "rgba(75,192,192,0.4)",
        "borderColor": "rgba(75,192,192,1)",
        "borderCapStyle": "butt",
        "borderDash": [],
        "borderDashOffset": 0,
        "borderJoinStyle": "miter",
        "pointBorderColor": "rgba(75,192,192,1)",
        "pointBackgroundColor": "#fff",
```

```

    "pointBorderWidth": 1,
    "pointHoverRadius": 5,
    "pointHoverBackgroundColor": "rgba(75,192,192,1)",
    "pointHoverBorderColor": "rgba(220,220,220,1)",
    "pointHoverBorderWidth": 2,
    "pointRadius": 1,
    "pointHitRadius": 10,
    "data": [
      65,
      59,
      80,
      81,
      56,
      55,
      40
    ],
    "spanGaps": false
  }
],
},
"options": {}
}

```

[Documentation for Line Chart \(http://www.chartjs.org/docs/#line-chart\)](http://www.chartjs.org/docs/#line-chart)

## Bar Chart

```

{
  "type": "bar",
  "data": {
    "labels": [
      "Red",
      "Blue",
      "Yellow",

```

```

    "Green",
    "Purple",
    "Orange"
  ],
  "datasets": [
    {
      "label": "# of Votes",
      "data": [
        12,
        19,
        3,
        5,
        2,
        3
      ],
      "backgroundColor": [
        "rgba(255, 99, 132, 0.2)",
        "rgba(54, 162, 235, 0.2)",
        "rgba(255, 206, 86, 0.2)",
        "rgba(75, 192, 192, 0.2)",
        "rgba(153, 102, 255, 0.2)",
        "rgba(255, 159, 64, 0.2)"
      ],
      "borderColor": [
        "rgba(255,99,132,1)",
        "rgba(54, 162, 235, 1)",
        "rgba(255, 206, 86, 1)",
        "rgba(75, 192, 192, 1)",
        "rgba(153, 102, 255, 1)",
        "rgba(255, 159, 64, 1)"
      ],
      "borderWidth": 1
    }
  ],
  "options": {}
}

```

## Radar Chart

```
{
  "type": "radar",
  "data": {
    "labels": [
      "Eating",
      "Drinking",
      "Sleeping",
      "Designing",
      "Coding",
      "Cycling",
      "Running"
    ],
    "datasets": [
      {
        "label": "My First dataset",
        "backgroundColor": "rgba(179,181,198,0.2)",
        "borderColor": "rgba(179,181,198,1)",
        "pointBackgroundColor": "rgba(179,181,198,1)",
        "pointBorderColor": "#fff",
        "pointHoverBackgroundColor": "#fff",
        "pointHoverBorderColor": "rgba(179,181,198,1)",
        "data": [
          65,
          59,
          90,
          81,
          56,
          55,
          40
        ]
      }
    ]
  }
}
```

```

    ]
  },
  {
    "label": "My Second dataset",
    "backgroundColor": "rgba(255,99,132,0.2)",
    "borderColor": "rgba(255,99,132,1)",
    "pointBackgroundColor": "rgba(255,99,132,1)",
    "pointBorderColor": "#fff",
    "pointHoverBackgroundColor": "#fff",
    "pointHoverBorderColor": "rgba(255,99,132,1)",
    "data": [
      28,
      48,
      40,
      19,
      96,
      27,
      100
    ]
  }
]
},
"options": {}
}

```

Documentation for Radar Chart (<http://www.chartjs.org/docs/#radar-chart>)

## Polar Area Chart

```
{
  "type": "polarArea",
  "data": {
    "datasets": [
      {
        "data": [
          11,
          16,
          7,
          3,
          14
        ],
        "backgroundColor": [
          "#FF6384",
          "#4BC0C0",
          "#FFCE56",
          "#E7E9ED",
          "#36A2EB"
        ],
        "label": "My dataset"
      }
    ],
    "labels": [
      "Red",
      "Green",
      "Yellow",
      "Grey",
      "Blue"
    ]
  },
  "options": {}
}
```



Documentation for Polar Area Chart

(<http://www.chartjs.org/docs/#polar-area-chart>)

## Pie Chart

```

{
  "type": "pie",
  "data": {
    "labels": [
      "Red",
      "Blue",
      "Yellow"
    ],
    "datasets": [
      {
        "data": [
          300,
          50,
          100
        ],
        "backgroundColor": [
          "#FF6384",
          "#36A2EB",
          "#FFCE56"
        ],
        "hoverBackgroundColor": [
          "#FF6384",
          "#36A2EB",
          "#FFCE56"
        ]
      }
    ]
  },
  "options": {}
}

```

Documentation for Pie Chart (<http://www.chartjs.org/docs/#doughnut-pie-chart>)

# Doughnut Chart

```
{
  "type": "doughnut",
  "data": {
    "labels": [
      "Red",
      "Blue",
      "Yellow"
    ],
    "datasets": [
      {
        "data": [
          300,
          50,
          100
        ],
        "backgroundColor": [
          "#FF6384",
          "#36A2EB",
          "#FFCE56"
        ],
        "hoverBackgroundColor": [
          "#FF6384",
          "#36A2EB",
          "#FFCE56"
        ]
      }
    ]
  },
  "options": {}
}
```

## Documentation for Doughnut Chart

(<http://www.chartjs.org/docs/#doughnut-pie-chart>)

## Bubble Chart

```
{
  "type": "bubble",
  "data": {
    "datasets": [
      {
        "label": "First Dataset",
        "data": [
          {
            "x": 20,
            "y": 30,
            "r": 15
          },
          {
            "x": 40,
            "y": 10,
            "r": 10
          }
        ],
        "backgroundColor": "#FF6384",
        "hoverBackgroundColor": "#FF6384"
      }
    ]
  },
  "options": {}
}
```

Documentation for Bubble Chart (<http://www.chartjs.org/docs/#bubble-chart>)

