

Highcharter Cheat Sheet

Made by:-

Name: Dhanush M Vajravelu

Regno: 18BCE2071

Intro

R package is a wrapper for the 'Highcharts' library including shortcut functions to plot R objects.

Installation & Use

Installation

`install.packages("highcharter")` To install Highcharter

library(highcharter)

Load

library(highcharter) Load Highcharter library at the beginning of the code

Useful functions

`highchart()` This function creates a Highchart chart using `htmlwidgets`

`hchart()` This function to draw different charts on the fly

`hc_add_series()` Adds data to existing objects (useful for discrete graphs like scatter plot)

`hc_chart()` Chart options for highcharter objects

`hc_labels()` Labels options for highcharter objects

`hc_legend()` Legend options for highcharter objects

`hcmap()` Shortcut to access the Highcharter map library from <https://code.highcharts.com/mapdata/>

`hc_add_theme()` To add Predefined themes

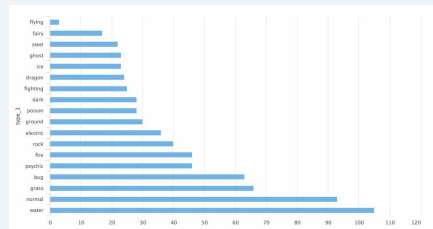
`export_hc()` Function to export js file the configuration options

Using Hchart()

Syntax

`hchart(object, ...)`

Bar Plot



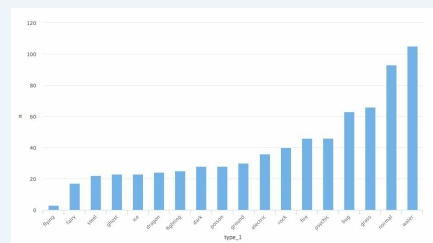
Syntax

`hchart(type = "bar")`

Code

```
pokemon%>%
count(type_1)%>%
arrange(n)%>%
hchart(type = "bar", hcaes(x = type_1, y = n))
```

Column Plot



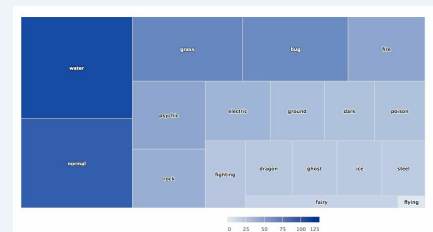
Syntax

`hchart(type = "column")`

Code

```
pokemon%>%
count(type_1)%>%
arrange(n)%>%
hchart(type = "column", hcaes(x = type_1, y = n))
```

Treemap



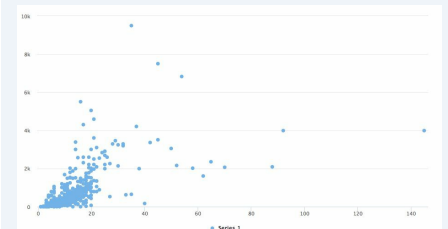
Syntax

Using hc_add_series()

Syntax

`hc_add_series(hc, data = NULL, ...)`

Scatter Plot



Syntax

`hc_add_series(data, "type = scatter")`

Code

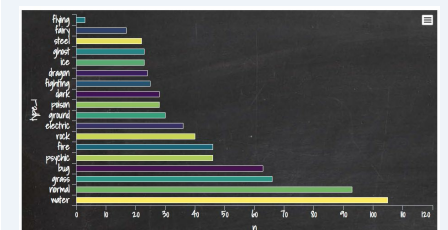
```
highchart()%>%
hc_add_series(pokemon, "type = scatter",
hcaes(x = height, y = weight))
```

Using hc_add_theme()

Syntax

`hc_add_theme(hc, hc_thm)`

Theming using hc_theme_chalk



Code

```
highchart()%>%
count(type_1)%>%
arrange(n)%>%
hc_add_series(pokemon, "type = scatter",
hcaes(x = height, y = weight))
hc_add_theme(hc_theme_chalk())
```

Other themes with Highcharter

`hc_theme_db`
`hc_theme_economist`
`hc_theme_flat`
`hc_theme_ft`
`hc_theme_ggplot2`
`hc_theme_handdrawn`
`hc_theme_chalk`
`hc_theme_flatdark`

```
hchart(type = "treemap")
```

Code

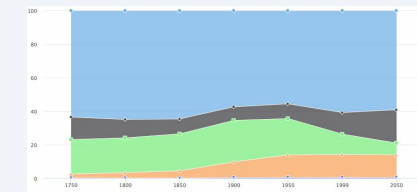
```
pokemon%>%  
count(type_1)%>%  
arrange(n)%>%  
hchart(type = "treemap", hcaes(x = type_1,  
value = n, color = n))
```

Using hc_chart()

Syntax

```
hc_chart(hc, ...)
```

Area Chart



Syntax

```
hc_chart(type = "area") %>%
```

```
hc_theme_superheroes
```

```
hc_theme_google
```

Using hmaps()

Usage

```
hmap(map, download_map_data, ...)
```

Map - String indicating what map to chart, a list from <https://code.highcharts.com/mapdata/>.

download_map_data - A logical value whether to download (add as a dependency) the map.



By **Dhanush M V**
(dmvohyeah)

cheatography.com/dmvohyeah/

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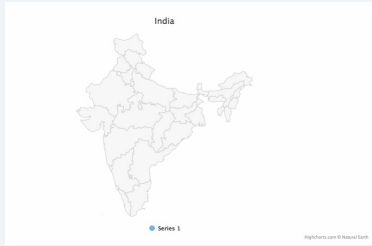
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Map Download



Code

```
hcmmap("https://code.highcharts.com/mapdata/countries/in/in-all.js")%>%  
hc_title(text = "India")
```



By **Dhanush M V**
(dmvohyeah)

cheatography.com/dmvohyeah/

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