Cheatography

# Highcharter Cheat Sheet

by dmvohyeah via cheatography.com/126472/cs/24495/

## Highcharter Cheat Sheet

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## 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* |

### Load

| | |
|---|---|
| library(highcharter) | *Load Highcharter library at the beginning of the code* |

### Useful functions

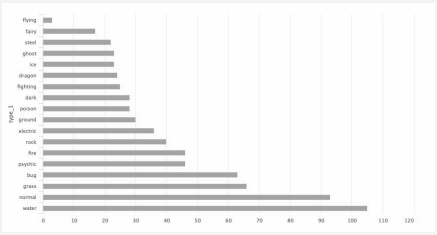
| | |
|---|---|
| highchart() | *This function creates a Highchart chart using htmlwidgets* |
| hchart() | *This function to draw different charts on the fly* |
| hc_add_series() | *Adds data to existing objects (useful for discrete graphs like scatter plot)* |
| hc_chart() | *Chart options for highcharter 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



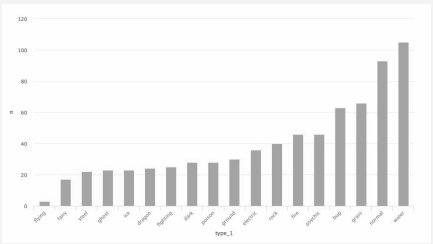
**Syntax**

*hchart(type = "bar")*

**Code**

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

## Column Plot



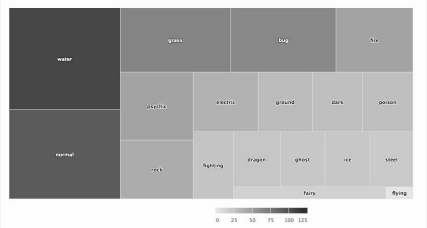
**Syntax**

*hchart(type = "column")*

**Code**

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

## Treemap



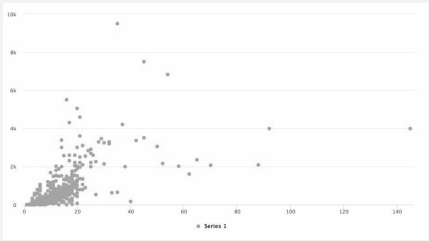
**Syntax**

## Using hc_add_series()

**Syntax**

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

## Scatter Plot



**Syntax**

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

**Code**

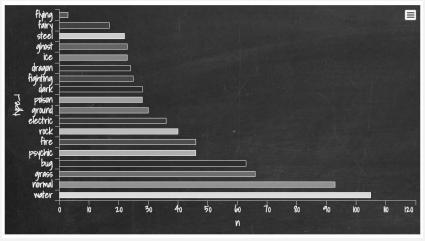
*highchart()%>%*
*hc_add_series(pokemon, "type = scatter",*
*hcaes(x = height, y = weight))*

## 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**

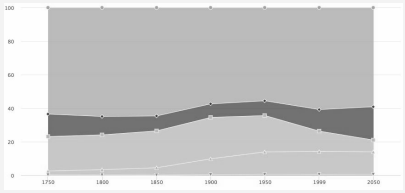
*pokemon%>%*
*count(type_1)%>%*
*arrange(n)%>%*
*hchart(type = "treemap", hcaes(x = type_1, value = n, color = n))*

## Using hc_chart()

**Syntax**

hc_chart(hc, ...)

## Area Chart



**Syntax**

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

hc_theme_superheroes
hc_theme_google

## Using hmaps()

**Usage**

*hcmap(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.

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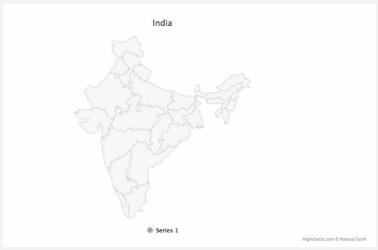
## Map Download




**Code**

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

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