Introduction to Highcharter

Contents

1. Hchart – base function

2. Hchart – Additional functions 1

3. Hchart – Additional functions 2

4. Other – Summary/Processing Functions

5. Moving Forwards …

1. hchart – base function

hchart(object = data, type = "column", hcaes(x = chemical_substance, y = items, group = practice_name))

Function	Type	Hcaes Parameters
hchart()	"column" "bar" "line" "spline" "scatter"	x = … y = … z = … group = …

2. hchart – Additional Functions 1

Function	Parameters
hc_chart	zoomType = "xy"
hc_tooltip	Table = T/F pointFormat = "Items: {point.items}"
hc_colors	colors = c("red", "blue"", "green")

3. hchart – Additional Functions 2

Function	Parameters	HTML Accepted
hc_credits	enabled = T/F	
hc_title	text = … style = …	✓
hc_subtitle	text = …	✓
hc_caption	text = … margin = …	✓
hc_yAxis	min = … max = … title = list(text = …)	✓
hc_xAxis	min = … max = … title = list(text = …)	✓
hc_add_theme	e.g. hc_theme_elementary()	

4. Summary and Processing Functions

Function	Description	Package
group_by() summarise() ungroup()	How to aggregate (e.g. sum) some values by a categorical variable	dplyr
arrange()	Sort values in ascending/descending order	dplyr
complete()	Complete missing values	dplyr
mutate()	Create new (or overwrite existing) variable	dplyr
skim()	Summary of data	skimr
head()	Have a look at first 10 rows or so.	base R
table()	Distribution of records	base R
substr()	Just a subset of a string (piece of text).	base R
Month.name[]	Convert number-month to word-month	base R

5. Moving Forwards …

- *Will you attempt to use highcharter to plot your own data?*

- *If not, what barriers do you have?*

- *What would you like to know to overcome this gap?*

If you can provide this information in the session feedback, we can try help with this.

Any questions, please get in touch: adnan.shroufi@nhs.net