R CHEATSHEET

9/14/2018

FUNCTION	PURPOSE	EXAMPLE

median(x)	isolate median value of **x**	`median(TA_ages)`
		
		`## [1] 29.5`

max(x)	isolate maximum value of **x**	`max(TA_ages)`
		
		`## [1] 489`

min(x)	isolate minimum value of **x**	`min(TA_ages)`
		
		`## [1] 26`

sd(x)	calculate standard deviation of **x**	`sd(TA_ages)`
		
		`## [1] 230.3483`

var(x)	calculate variance of **x**	`var(TA_ages)`
		
		`## [1] 53060.33`

na.omit(x)	remove rows of missing values from data frame **x**	`na.omit(firefly_weight)`

summarize(x, y =)	create a table summarizing data frame **x** with whichever calculations you would like	`summarize(firefly_weight,`
		`  mean_ff = mean(weight),`
		`  sd_ff = sd(weight))`

group_by(x, y)	invisibly group data frame **x** by variable **y**	`group_by(firefly, treatment)`

%>%	the "pipe"; puts whatever is to the left of it into the first place of whatever function is to the right of it	`firefly %>%`
		`  group_by(treatment) %>%`
		`  summarize(m = mean(weight))`

sample(x, n)	randomly select **n** values from vector **x**	`sample(TA_ages, 2)`
sample_n(x, n)	randomly select **n** rows from data frame **x**	`sample(firefly_weight, 12)`

geom_boxplot()
geom_violin()
geom_point()
geom_jitter()
	make a boxplot, violin plot, scatterplot, or jittered scatterplot; must always be attached to a base ggplot with a '+' sign	`p1 <- ggplot(iris,`
		`  aes(x = Species,`
		`  y = Petal.Length))`
		`p1 + geom_boxplot()`
		`p1 + geom_violin()`
		`p1 + geom_point()`
		`p1 + geom_jitter(width = 0.2,`
		`  height = 0)`