○ P		MULTI-FILES LOADER	file_01.csv	GGPLOT2 data	(aes) + geom + labels
(Statistical computing) CHEET SHEET BY @CHARLSTOWN CREATOR: ROSS IHAKA AND ROBERT GENTLEMAN		files <- list.files(pattern = "file*csv") %>% lapply(files, read_csv) %>% bind_rows()		ggplot(data = df, aes(x_col, y_col)) + geom() canvas + layer ++ labs > general structure	
YEAR: 1995 STEABLE RELEASE (2020): 3.6.2 TOP FROM R: DPLYR, GGPLOT2, ESQUISSE, BIO CONDUCTOR, SHINY, LUBRIDATE, KNITR, TIDYR.		DATA FRAMES ACTIONS DPLYR FUNCTIONS	dplyr & tidyr df %>% function	ggplot(data = df) aes(x_col, y_col) geom_point()	> canvas level > aesthetics > geometry level
	library(*) > Easy commands > Generate plots > Tidy data > Table visualization > Regular exprs. > Files Reader > Strings treatment	rename(c_new = c1) select(col) select(-col) filter(c == "value") mutate(col = (c1+2)) transmute(c1 =c, c2=c/2) arrange(des(c1)) join(df2) group_by(col) summarise(c* = max(c)) TIDYR FUNCTIONS	> rename columns > select column > drop column > select rows > column mutations > drop & built cols > order by column > join 2 data frames > silent grooping > after grooping df %>% function	AESTHETICS x_col, y_col label=labels color alpha fill = 'color' shape = class group = class shape size = 4 stroke	aes(*) > sets x,y elements > set ticks labels > sets color values > sets the opacity > sets the filled color > set groups by class > sets plot by class > geometry shape > sets the size > set boundary line
?library	> Documentation	gather('key', 'value', 2:4)	> wide to long df	GEOMETRIES	ggplot() + geom
read_csv("file.csv")	df and columns > data reader > show first rows > object names > columns names > rows names > number of rows > number of cols. > object length	spread('key', 'value') unite(col, '-', c1, c2) separate(col, c(c1, c2), 'symbol') full_seq(c(1, 3, 4), step) separate_rows(c, sep = '&')	> long to wide df> join 2 columns> split col by symbol> complete sequence> split values in row	geom_point() geom_bar() geom_smooth() jitter_geom() geom_density() geom_text() geom_segment() stat_function() geom_boxplot()	> simple points > bars chart > Inserts a function > points no overlap > continuous funct. > plot text inside > Plots a segment > inserts function > box plot
	> matrix dimension > summary by var. > features structure > extracts column > subdf by index > columns by index > column type	fill(column)	> fill NAs in column	LABELS	ggplot() + labs(*)
		replace_na('var') drop_na()	> replace NA for var > drop rows with NA	title subtitle x y color caption	> main title > subtitle > x label > y label > color > reference