CheatSheet: Basic Plots

IBM Developer
SKILLS NETWORK

Command	Syntax	Description	Example
library(ggplot2)	`library(ggplot2)`	`ggplot2` is a system for declaratively creating graphics, based on The Grammar of Graphics.	`library(ggplot2)` `p <- qplot(hp, mpg, data=mtcars, shape=am, color=am, facets=gear~cyl, main="Scatterplots of MPG vs. Horsepower", xlab="Horsepower", ylab="Miles per Gallon")`
ggplot()	`ggplot()`	`ggplot()` Initializes a ggplot object.	`ggplot(mtcars,aes(x=wt,y=mpg))`
geom_area()	`geom_area()`	`geom_area()` is for plotting area graphs,	`ggplot(mtcars,aes(x=wt,y=mpg))+geom_area()`
geom_line()	`geom_line()`	`geom_line()` is for plotting line graphs,	`ggplot(mtcars,aes(x=wt,y=mpg))+geom_line()`
geom_histogram()	`geom_histogram()`	`geom_histogram()` is for plotting histogram.	`ggplot(mtcars,aes(x=wt,y=mpg))+geom_histogram()`
geom_bar()	`geom_bar()`	`geom_bar()` is for plotting bar graphs.	`ggplot(mtcars,aes(x=wt,y=mpg))+geom_bar()`
geom_map()	`geom_map()`	`geom_map()` is for plotting maps.	`ggplot(mtcars,aes(x=wt,y=mpg))+geom_map()`
qplot()	`qplot()`	`qplot()` You can use this quick plot function to create simple plots.	`qplot(data,x=feature1,y=feature2, geom='point')`
coord_polar()	`coord_polar()`	`coord_polar()`is used to produce a pie chart, which is just a stacked bar plot in polar coordinates	`coord_polar()`

Author(s)

Amrutha Rao

Changelog

Date	Version	Changed by	Change Description
2021-08-05	1.0	Amrutha Rao	Initial Version