

1: Data Plotting with ggplot2

Suppose we have the following toy data set, named `df`. The first two columns are numeric while the third column is categorical.

x1	x2	cat1
1	3	Yes
7	20	Yes
4	2	No
...

Plotting a Single Variable

`ggplot(data=df, aes(x=x1)) +`
`geom_histogram()`
specify dataset map variables to plot aesthetics.
specify type of plot.

+ `geom_freqpoly()` # for frequency plot
+ `geom_bar()` # for bar plot.

Plotting Two Variables

`ggplot(data=df, aes(x=x1, y=x2)) +`
`geom_point()` # for scatterplot
+ `geom_boxplot()` # for side-by-side boxplot
+ `geom_line()` # for line plot
etc.