



uni/bivariate distribution  
across categories (hue)

**hist(x [hue])**

- element = 'step'
- multiple = 'stack'
- multiple = 'dodge'
- kde = True

**hist(x y [hue])**

- binwidth
- bins = int | list
- discrete = True
- (for when x are ints)
- cbar = True (colorbar)
- stat = 'probability'
- (normalize each cat to sum 1)

**ecdf(x [y hue])**

(zero-config empirical cumulative dist plot)

**seaborn cheat sheet**

made with love by  
**Martin Di Paola**  
for seaborn v0.11.1  
<https://book-of-gehn.github.io>

**relationship**  
between two or  
more variables

**regression**  
model between  
two variables

**kde(x y [hue])**

- thresh = 0..1
- levels = int | list

**kde(x [hue])**

- bw\_adjust = 0..1
- cut = 0 | int
- (truncate extremes)
- fill = True

**scatter(x y [hue, size, style])**

- edgecolor
- (highlight each point with)

**line(x y [hue size style])**

- estimator = np.mean | fn | None | \*
- ci = 0..100 (plot confidence level)
- ci = 'sd' (plot std deviation)

**reg(x y)**

- **lm(x y [hue])** (fig level plot)
- logistic = True (for when y are 0/1)
- robust = True (discard outliers)
- lowess = True (non-polynomial fit)
- {scatter,line}\_kws
- order = int (polynomial of order n)

distribution of each  
categories (x or y)

**violin(x y [hue])**

- bw = 0..1
- cut = int
- split = True (2 hue cats)
- inner = 'quartile' | 'point'
- 'box' | None

**boxen(x y [hue])**

(multiple quartiles / boxes, see k\_depth)

**box(x y [hue])**

**swarm(x y [hue])**

**strip(x y [hue])**

- dodge = False

**bar(x [y hue])**

- **point(x [y hue])**
- style = \* (but not a col)

**single statistical estimation**  
of each  
categories (x or y)

