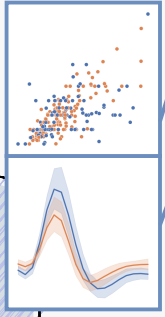


uni/bivariate distribution  
across categories (hue)

**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)



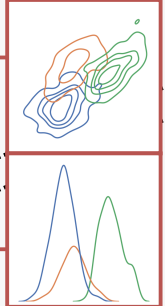
**seaborn cheat sheet**  
 made with love by  
**Martin Di Paola**  
 for seaborn v0.11.1  
<https://book-of-gehn.github.io>

**relationship**  
 between two or more variables

**regression**  
 model between two variables

**kde(x y [hue])**  
 thresh = 0..1  
 levels = int | list

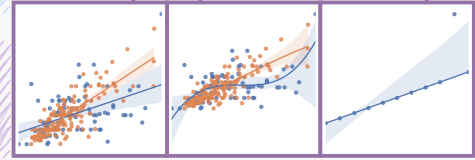
**kde(x [hue])**  
 bw\_adjust = 0..1  
 cut = 0 | int .....  
 (truncate extremes)  
 fill = True



**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)

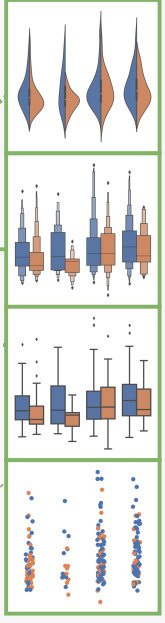


distribution of each  
categories (x or y)

**violin(x y [hue])**  
 • bw = 0..1  
 • cut = int  
 split = True (2 hue cats)  
 inner = 'quartile' | 'point'  
 'box' | None

**box(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)

