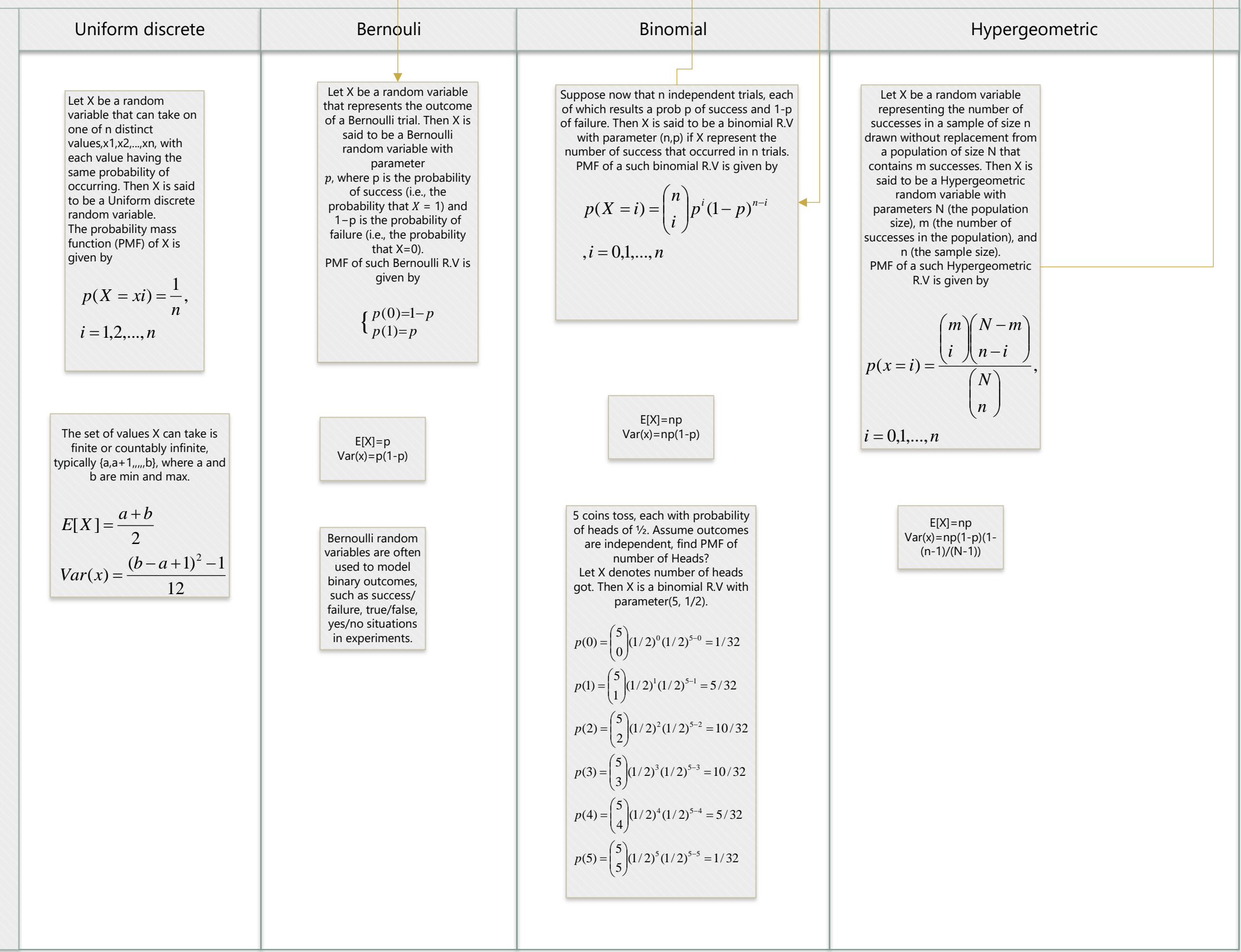


Cross Functional Flow chart



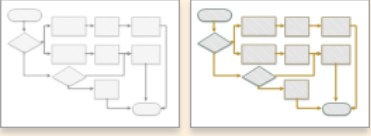
Condition: If n=1, the Binomial distribution is reduced to Bernoulli distribution!
A Bernoulli R.V is just a special case of Binomial R.V with parameter (1,p).

Condition: If m and N is large in relation to n, then hypergeometric distribution can be approximated by Binomial distribution!
Suppose X is a hypergeometric R.V with parameter (n,N,m). Y is a binomial R.V with parameter (n, p=m/N). When N is large, Var(X)=np(1-p) so it will be the same as done with replacement!

$$p(x=i) = \frac{\binom{m}{i} \binom{N-m}{n-i}}{\binom{N}{n}},$$
$$i = 0,1,...,n = \binom{n}{i} p^i (1-p)^{n-i} = P(Y=i)$$

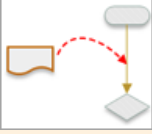
By letting p=m/N. Since m, N are large, p is constant.

Theme




Color can add clarity and elegance. Pick a theme from the Design tab.

Drag Drop



To put a shape between two connected shapes, drag it onto the connector between them.

Add Swimlane



Add more swimlanes: drag one from the Shapes pane, and put it where you need it.

Finished with these tips?

Select the Tip Pane and press Delete