Distribution	Bernoulli	Geometric	Binomial	Negative Binomial	Poisson	Uniform
When do we use it?	only doung are trial	how long how how how long we have fas something to harmone	Wart # Of sccesses In a fixed # of trals	was how long we wait for something to happen K thms	war how nay Hues a Fare eur occur in fixed anar	Egonl prob. of seconl outcomes happening
Example						,
Is a special case of	Binomial n=1	Negarre Binomial Kz (
Parameter(s)	p (probability)	p (palabalary)	P (pabuluty) P (probability) P (probability) P (probability) A (# OF trivis) K (# Successes)	P (probability) K (# successes)	1 = avease nonter of everys in the	N (length)
Random Variable (what are we measuring, what values can it take?)	X (Ourcome of 1 fool)	K (number of the tries that we have between	k (rotal # of sucesses)	1 (Retuber of attempts between K successes)		X (cortcort)
Equation	$\begin{cases} (1) & d \\ (0) & d-1 \end{cases}$	$d_{1-\lambda}(a-1)$ (1)	$_{\mathcal{A}}d_{\mathcal{A}-\mathcal{V}}(d-1)(\mathcal{A})$	$A = \begin{pmatrix} \lambda & \lambda & \lambda \\ \lambda & \lambda & \lambda \end{pmatrix}$	λ ^κ e ⁻ δ κ!	\$1 0€ X≤N \$0 otherwise
Expected Value (μ)	d	-10-	np	$\frac{pk}{1-p}$	~	177
Variance (σ^2)	(d-1) d	(d-1)d	(d-1)dW	$\frac{pk}{(1-p)^2}$	X	(n-1)(n-1)
Approximately Normal? If so, when?	70	ηÓ	yes, π lwgc ρα /2	yes, k lage	yes. A large	20
Continuous or Discrete?	Discrete	Discret	Discrete	Discrete	Discret	Borh