Sampling the Bernoulli UN Bernoull; (0) = 8 (1-0) How to somple W Weather I Gran SHOW to creak adoloset Wed Bod, Good { D={ Bed, Good, Bod, ...} Random Varible Sam pling: -> London Variate (on instantiation) (capital lette) (lowers lotter) example: 0=0.7 (70% chance of good weather) Source of randomness: uniform rundon number generators good water bad weater  $\Rightarrow X$ equally akely

 $\beta_{O(n(\theta))} \wedge w = \begin{cases} \Delta, & x \leq 0 \\ 0, & x > 0 \end{cases}$ 

X N Uniform (0.0, 1.0)

 $e_{g}$ .  $\mathcal{J}_{x} = \{ 0.3, 0.9, 0.75, 0.4, 0.75 \}$