Radon vanichles Assigning probabilities to number or vange of numbers rather them in term of outcomer, events... -> mappy between the space of events, ortained to the space M > R | mappy between the )

Red live

role spice ) (sample spiner) a furction => Random variable es. RY. TS the sum of the face value on the (disude RY) eg. R.V. Recorded temperative on a conser R.V. Rondry of the temperative whe Scontinuous R.V)

events/controller of ortrom -> number or range of unhan (interch) s megny of an evert es, Prob of Discole R.R. P(X=1)  $P(X=\{1,2,3\})$  P(X=0)  $P(Y=\{1,2,3\})$ eg. Probof continue R.V. p(a(X<b)) nlere, a,b,cER ) -> any in pre behilibers to diff whereth on R CDF: F(n) = P(X < n)

Probabability values assigned to all ordrowns
which are supped on R, via the R.V. X, that
fell in the rough XEX