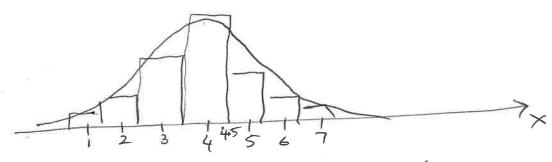
Continuity correction

Suppox X N Discrete; say like a Binomal etc such4

Then we may be interested in using a Normal approximate a discrete distribution (Normal approximate to me Binomial for example).

How we can do it!



Say we want to ux he Normal to approximate

What is to be considered a 4 in the discrete scale is different on the continuous Scale (D=discrete, C=cont) XD=4 corresponds

$$P(X_D > 4) = P(X_C > 4.5)$$

$$= 1 - P(X_C \le 4.5)$$

$$= 1 - P(x_C \le 4.5)$$

$$= 1 - P(x_C \le 4.5)$$

$$P(X_0 \le 3) = P(X_0 \le 3.5)$$

= pnorm(35,-,-)

RAR