Random Variables

Variable = X = 5

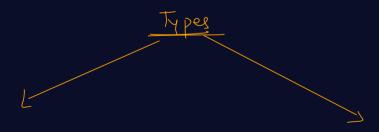
2x+6= 0

Process or Experiment -> Value / Varible.

Exposimal - H, T - Coin - Tail

Romdom Vanblm -

2+ cardy -



Discrete Random Vanil

complete or combelly

Continous Rondon Vant

Infinite Number

- 1) Torsing a count
- 2) Dice Roll

teigent - id-___}

5, Keigel -, wiget >

Appeliation => Disrete -> preditive Modeling

Couling -

Continuer y Distributi l-Inalris (18.1)

Percentage - Percentiles & Quartiles.

Percentage: 70 - Marks

100 - Mady

 $\frac{90}{100} \times 100 = \frac{70}{100} \times 100 = \frac{70}{100}$

Poscottle =) of a value =
$$41 = No \text{ of value below } \frac{4}{100}$$

=) $4 \rightarrow \left(\frac{4}{100}\right) = \frac{33}{2}$

$$\frac{35 \times 12 + 1}{100 \text{ y}} = \frac{13}{4} = \frac{3}{4}$$

$$\frac{\text{Threshold}}{\text{Max}} = \frac{3}{40} \left\{ \begin{array}{ccc} 7 & 1 \\ 30 & 1 \end{array} \right.$$

- (1) Muly value => 4
- 3, Fish Quanter 9
- 3 _ Medi°an = 15
- $Q_3 \longrightarrow 7 \times \times ?$
- Max Number 35

$$Q_1 = 21 \text{ i.s.} \qquad 25 \times (n+1) = 20 \times 11 = 25 \times 11$$

$$100$$

$$\frac{295}{100}$$

$$Q_2 = 76\%$$
 = $\frac{7(x | 1)}{100}$ = $\frac{026}{100} = 8.28$

Tar =
$$Q_3 - Q_1 = 24 - 0 = 16$$

(b) $Q - 1 \cdot (x \cdot 16) = -16$

(c) $Q + 1 \cdot \xi x \cdot 16 = -16$
 $Q + 1 \cdot \xi x \cdot 16 = -16$